



Forsyth County Recycling & Solid Waste Department

SAMUEL B. BUCKLES, Environmental Scientist Manager

November 9, 2022

Ms. Beverly Tipton
Georgia Department of Natural Resources
Environmental Protection Division
Solid Waste Management Program
4244 International Parkway, Suite 104
Atlanta, Georgia 30354-3906

RE: First 2022 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 Ms. Tipton:

In accordance with the Georgia EPD Rules and Regulations for Solid Waste Management, Chapter 391-3-4, 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,



Forsyth County – Hightower Road Landfill
Ballground, Georgia 30107
PERMIT #s: 058-006D(L), 058-009D(SL), 058-010D(SL)
Forsyth County

**FIRST 2022 SEMI-ANNUAL GROUNDWATER &
SURFACE WATER MONITORING REPORT**



TABLE OF CONTENTS

<i>Section</i>	<i>Page No.</i>
1.0 Introduction	2
2.0 Professional Geologist Certification and Compliance Statement.....	2
3.0 Summary of Site.....	3
3.1 Geologic Setting	4
3.2 Monitoring Program	4
3.3 Purging and Sampling Procedures.....	5
3.4 Laboratory Methods.....	6
3.5 Laboratory Certification	7
4.0 Discussion of Sampling Results.....	7
4.1 Groundwater.....	7
4.2 Performance Monitoring.....	8
4.3 Hydraulic Gradient and Groundwater Flow Velocity.....	9
4.4 Surface Water	9
5.0 Statistical Analysis	10
5.1 Statistical Methodology	10
5.2 Statistical Results	11
6.0 Summary and Recommendations	12

Tables

Table A	Required Compliance Points & Parameters
Table 1	Summary of Water Quality Parameters
Table 2	Summary of Groundwater Elevation Data
Table 3	Summary of Appendix I/II Organic Compound Detections
Table 4	Summary of Appendix I/II Metals Detections
Table 5	Groundwater Flow Rate Calculation
Table 6	Summary of Surface Water Detections & Field Parameters
Table 7	Summary of Statistically Significant Increases
Table 8	Confidence Intervals for Comparing the Mean of the Most Recent Measurements to an Assessment Monitoring Standard

Figure

Figure 1	Potentiometric Surface Map June 2022
----------	--------------------------------------

Attachments

Attachment A	Laboratory Analytical Results
Attachment B	Statistical Analysis Kruskal-Wallis ANOVA Non-Parametric Test Non-Parametric Tolerance Interval Test

1.0 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 Municipal Solid Waste Landfill (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 event, determination of groundwater flow rate and direction, a summary of analytical results, and a statistical analysis of the analytical data.

2.0 Professional Geologist Certification and Compliance Statement

This report has been prepared by a registered professional geologist in general accordance with Georgia Chapter 391-3-4 Solid Waste Regulations. The seal below certifies that a sufficiently trained and experienced qualified groundwater scientist with a baccalaureate degree in natural sciences has prepared and/or reviewed this report. The undersigned is qualified to make sound, professional judgments regarding groundwater monitoring and contaminant fate and transport. The information contained in this report is to the best of the undersigned's knowledge and belief, true, accurate, and complete.

ATLANTIC COAST CONSULTING, INC.



Charles B. Adams, P.G.

This certification statement is provided in accordance with the Solid Waste Management Rules of Georgia Chapter 391-3-4-.07(3)(v). This Semi-Annual Groundwater & Surface Water Monitoring Report is provided to document the results of the June 2022 sampling event at the Hightower Road MSWLF. As documented in this report, 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 Rules of Georgia Solid Waste Management, because Assessment of Corrective Measures (ACM) Studies have been completed and a Corrective Action Plan (CAP) is being implemented.

3.0 Summary of Site

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.

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 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 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.

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 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.

3.1 Geologic Setting

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 often 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 commonly referred to as the "Dahlonega Gold Belt".

3.2 Monitoring Program

There are 13 groundwater monitoring network wells and three AMW series wells utilized to monitor groundwater conditions near Phase I of the facility, and 34 monitoring network wells and ten 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 wells have no suffix (e.g., GWC-8), the intermediate wells have an "A" suffix (e.g., GWC-8A), and the deepest 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 (SWA-1, SWA-2, and SWC-1 through SWC-9) are monitored semi-annually at the landfill. 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 for Appendix I VOCs. (See **Table A** for a summary of sampling requirements).

During the first semi-annual sampling event, assessment monitoring wells are sampled for Appendix II VOCs and Appendix I metals, and detection wells are sampled for Appendix I parameters as listed in **Table A**. During the second semi-annual monitoring event, assessment wells are sampled for Appendix I parameters plus any verified Appendix II analytes, select wells are sampled for CAP-required MNA parameters, and detection wells are sampled for Appendix I parameters. Once every three years, assessment monitoring wells are sampled for the full Appendix II analyte list; monitoring locations were sampled for the full Appendix II analyte list during this June 2022 event. The next triennial event is scheduled for June 2025. Some AMW

series wells are sampled/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**. Appendix I VOCs are collected from SWC-1, SWC-4, SWC-4A, SWC-4B, and SWC-6 for delineation purposes. Any Appendix II constituents that become verified in an assessment well are added to the analyte list for the well it was detected in for the second semi-annual monitoring event. Historically, the addition of Appendix II analysis to assessment wells has not yielded additional consistently detected analytes.

As described in the July 26, 2013 *Response to EPD Comments*, the landfill has redundant monitoring in the saprolite/bedrock aquifer, and these two zones have been 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

The CAP requires sampling of MNA parameters from assessment wells on an annual basis; MNA sampling began with the second 2007 monitoring event. These MNA parameters include dissolved oxygen, nitrate, sulfate, ferrous iron, chloride, oxidation-reduction potential (ORP), carbon dioxide, total dissolved solids (TDS), and alkalinity. **Table A** presents a summary of the current analyte lists for all 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 event, and subsequent reviews were completed during the second 2013, second 2016, and second 2019 events. The reviews are submitted to EPD as attachments to the second semi-annual groundwater monitoring reports.

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 Rule 391-3-4-.14(32), alternate GWPS were established in the ACM for analytes that have no established MCL.

3.3 Purging and Sampling Procedures

All samples were collected in accordance with the EPD-approved groundwater monitoring plan for Forsyth County – Hightower Road Landfill. 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-GWA-1A, PH1-GWC-2, GWA-1A, GWC-4A, GWC-8R, GWC-14R, and AMW-1, where a Grundfos stainless steel submersible pump attached to disposable Teflon® lined tubing was used.
- 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).

3.4 Laboratory Methods

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*, Third Edition, December 1996, SW-846, and subsequent revisions. 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 where applicable) constituents as listed in 40 Code of Federal Regulations (CFR) Part 258, Subpart E, 56 Fed.

Reg. 51028-51029 (October 9, 1991), and *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 **Attachment A** of this report. Results of these analyses are discussed in the following sections.

3.5 Laboratory Certification

Analytical Environmental Services, Inc. (AES) is an approved laboratory (in accordance with 391-3-26-.05) for the analysis of solid/hazardous waste and is accredited by National Environmental Laboratory Accreditation Program (NELAP). Accreditation issuing authorities, certification identifications, and expiration dates are provided in the laboratory analytical reports in **Attachment A**.

4.0 Discussion of Sampling Results

Samples from the first 2022 semi-annual monitoring event were collected June 6-10, 2022. The samples were analyzed by AES of Atlanta, Georgia. Samples were collected and analyzed from network detection and assessment monitoring wells for Appendix I and/or Appendix II parameters during this monitoring event as detailed in **Table A**. This is the triennial groundwater sampling event for Appendix II constituents at assessment monitoring wells. Monitoring well GWC-15 had an obstruction preventing it from being sampled and GWC-16A was dry or purged dry and did not recharge and was not sampled. Groundwater monitoring wells AMW-1 and AMW-2 were sampled as surrogate wells for GWC-15 and GWC-16A, respectively.

4.1 Groundwater

An evaluation of the June 2022 semi-annual groundwater sampling results indicates that one or more VOCs were detected in 12 network groundwater well samples and five AMW series well samples as summarized on **Table 3**. The concentrations of five organic compounds in one or more assessment well samples were above the respective GWPS: benzo(a)pyrene, cis-1,2-dichloroethene (cis-1,2-DCE), tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride. A summary of organic detections is presented below.

- All verified, detected VOCs were in samples from assessment monitoring wells or AMW series wells.
- During this event, there was an unverified detection of Appendix II semi-volatile organic compound benzo(a)pyrene at 1.7 micrograms per Liter ($\mu\text{g/L}$) in the sample from PH1-GWC-3A. This detection will be reevaluated during the next event.
- Other than the unverified detection of benzo(a)pyrene in the sample from PH1-GWC-3A, there were no other Appendix II-specific analytes detected in groundwater samples.
- The concentrations of cis-1,2-DCE, PCE, and TCE in the sample from AMW-1 (150 $\mu\text{g/L}$, 42 $\mu\text{g/L}$, and 65 $\mu\text{g/L}$, respectively) were above the respective GWPS (70 $\mu\text{g/L}$, 5 $\mu\text{g/L}$, and 5 $\mu\text{g/L}$). The concentrations of cis-1,2-DCE and TCE in the sample from AMW-12R (5.2 $\mu\text{g/L}$ and 4.6 $\mu\text{g/L}$, respectively) that is downgradient of AMW-1 were below the respective GWPS.
- The concentrations of PCE were above the GWPS (5 $\mu\text{g/L}$) in samples from PH1-GWC-3, PH1-GWC-3A, GWC-18, AMW-1, and AMW-12R. Well GWC-18 is delineated by AMW-

5 where PCE was not detected. [Report Section 4.2 discusses AMW-1, and AMW-12R detections. Report Section 4.4 discusses PH1-GWC-3A detections.]

- The concentrations of TCE in samples from PH1-GWC-3 and PH1-GWC-3A were above the GWPS (5 µg/L). TCE was not detected in the SWC-6 sample that is located downgradient of PH1-GWC-3.
- The concentration of vinyl chloride in the sample from GWC-14A (19 µg/L) was above the GWPS (2 µg/L). This compound was not detected in GWC-13 that is downgradient of GWC-14A. It was also not detected in the shallower well GWC-14 and was not detected in the deeper well GWC-14R. So, the detection is horizontally and vertically delineated.
- The detections of VOCs in groundwater are addressed by remedies in the CAP.
- 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 eleven during the first 2022 event. The total number of concentrations above a GWPS that were also identified as SSIs has also decreased from 25 during the first 2007 event to nine during the first 2022 event.

A summary of metals detected during this event is presented in **Table 4**. Appendix I metals barium, chromium, cobalt, and zinc were detected in one or more groundwater well samples. During the previous event, there was an unverified detection of chromium in the sample from GWC-12A. That detection did not reoccur during this event. All detected groundwater metals concentrations were less than their respective GWPS. Low levels of barium were detected in most groundwater samples, and cobalt and zinc were detected less frequently. These metals are considered naturally occurring in site soils. Due to sample turbidity above 50 NTU, a dissolved metals sample was collected from GWC-3 for comparison purposes. There were no detections of dissolved metals in the sample from GWC-3 and only zinc was detected in the totals metals analysis. Thus, sample turbidity did not have an appreciable effect upon metals content.

4.2 Performance Monitoring

In accordance with the CAP, MNA parameters are collected annually during the second monitoring event. MNA data are evaluated in triennial corrective measures status evaluation reports and collected from select wells in the assessment monitoring program, three AMW series wells (AMW-4, AMW-5, and AMW-14), and unimpacted upgradient well PH1-GWA-4 (refer to **Table A**). Annual MNA laboratory analysis includes the following: nitrate, sulfate, chloride, TDS, and alkalinity, and field tests for dissolved oxygen, ferrous iron, ORP, and carbon dioxide. An evaluation of the CAP program remedies is completed every three years and previous corrective measures status evaluation reports were submitted to EPD with the second event groundwater monitoring reports for 2010, 2013, 2016, and 2019. The next Corrective Measures Status Evaluation Report will be provided in conjunction with the second 2022 report.

Forsyth County is currently conducting a pilot test to evaluate the effectiveness of encapsulated potassium permanganate (KMnO₄) in reducing VOCs in groundwater near AMW-12/12R. 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 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. As part of the UIC permit requirements, quarterly reports are submitted to EPD Watershed Protection Branch (1st quarter 2021 Submittal ID: 567207, 2nd quarter 2021 Submittal ID: 579724, 3rd quarter 2021 Submittal ID: 597718, 4th quarter 2021 Submittal ID: 617224, and 1st quarter 2022 submittal ID: 656767). 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. As noted in report *Section 4.1* the concentration of PCE was above the GWPS in the sample from AMW-12R. Groundwater delineation wells AMW-12 and AMW-12R were sampled and analyzed for Appendix II VOCs and select indicator parameters. PCE was detected at 2.2 µg/L in the sample from AMW-12, below the GWPS of 5.0 µg/L. Results for these wells are included in **Attachment A**.

4.3 Hydraulic Gradient and Groundwater Flow Velocity

The June 2022 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 181 feet per year, generally to the northeast and northwest (in a sub-radial pattern).

4.4 Surface Water

Eleven surface water sampling points are monitored semi-annually at the landfill and two points, identified as SWC-4A and SWC-4B, have been added for delineation (all points are listed in **Table A** and locations depicted on **Figure 1**). Locations SWC-8 and SWC-9 were dry during this event and were not sampled. Surface water samples are analyzed for permit-required parameters COD, total cyanide, total organic carbon, chloride, and metals (as summarized on **Table 6**). Low-level concentrations of COD, total organic carbon, chloride, and/or barium, were detected in one or more samples.

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**). In addition, for delineation purposes SWC-1, SWC-4, SWC-4A, and SWC-4B are monitored for Appendix I VOCs and results are included in **Attachment A**. The added surface water points are sampled and analyzed to verify that no VOCs are entering the tributaries of the Etowah River. The SWC-4B

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.

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 was a detection of cis-1,2-DCE in the sample from SWC-6 at a concentration of 7.6 µg/L. This SWC-6 concentration of cis-1,2-DCE is well below the MCL of 70 µg/L (there is no instream water quality standard for cis-1,2-DCE). There have been five previous detections of cis-1,2-DCE in the sample from SWC-6.

5.0 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 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 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, it was thought to be more conservative to run the statistical analysis with data after capping was completed. 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 interval (NPTI) 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 NPTI. The NPTI 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

Kruskal-Wallis non-parametric ANOVA and NPTI statistical tests are included in **Attachment B**. The wells with concentrations identified as an SSI over background for the current event as determined by the Kruskal-Wallis ANOVA and the NPTI methods are listed in **Table 7**. The wells with identified SSIs over background and concentrations above a GWPS are evaluated to determine if concentrations are SSLs in **Table 8** and this information is summarized in the GEOS data entry screen each semi-annual event. Eighteen wells had one or more SSIs during this event, and five wells had SSIs identified for analyte concentrations that were above the respective GWPS (see **Table 7**). All thirteen wells with VOC SSIs or SSLs are currently in assessment monitoring and are addressed by the CAP remedies. Monitoring well GWC-24 has not had SSIs above background values for two consecutive Appendix II events and has been returned to detection monitoring per rule 391-3-4-.14(28), see **Table A**.

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

6.0 Summary and Recommendations

The results of the data evaluated from the June 2022 sampling event are summarized below:

- Groundwater generally flows, in a sub-radial pattern, towards the northeast and northwest, at a calculated rate of approximately 181 feet per year.
- VOCs at concentrations above respective GWPS in network wells are limited to those in assessment monitoring status. Detections of groundwater VOCs are addressed by the CAP corrective remedies.
- Low-level concentrations of metals are detected in upgradient and downgradient groundwater and surface water sampling points. No verified groundwater metals concentrations were above a GWPS, and detected metals are likely naturally occurring.
- During this event, there was an unverified detection of benzo(a)pyrene in the sample from PH1-GWC-3A. This detection will be reevaluated during the next event.
- There were SSIs for VOC concentrations in samples from assessment monitoring wells. The only SSIs for wells currently in detection monitoring were for low-level concentrations of barium (PH1-GWB-1, PH1-GWC-1, GWC-1, and GWC-9), cobalt (GWC-14), and zinc (GWC-9), all below respective GWPS; these detections are attributed to their typical presence in regional soils.
- Monitoring well GWC-24 has not had SSIs above background values for two consecutive Appendix II events and has been returned to detection monitoring per rule 391-3-4-.14(28).
- SWC-6 had a verified, low-level detection of cis-1,2-DCE at a concentration well below the MCL. There is no established instream water quality standard for cis-1,2-DCE. Location SWC-6 is monitored for VOCs to delineate concentrations of VOCs in samples from groundwater wells PH1-GWC-3 and PH1-GWC-3A. The concentration of cis-1,2-DCE in the sample from SWC-6 is significantly less than the concentrations in PH1-GWC-3 and PH1-GWC-3A. Four additional surface water points were monitored for VOCs (SWC-1, SWC-4, SWC-4A, and SWC-4B), and no VOCs were detected in these samples.
- 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 eleven during the first 2022 event. The total number of concentrations above a GWPS that were also identified as SSIs has also decreased from 25 during the first 2007 event to nine during the first 2022 event.

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 December 2022.

TABLES

**Table A
Required Compliance Points & Parameters
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
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

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: dissolved oxygen, nitrate, sulfate, ferrous iron, chloride, oxidation-reduction potential (ORP), carbon dioxide, total dissolved solids (TDS) and total alkalinity.

Table A (Continued)
Required Compliance Points & Parameters
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-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 / Delineation	App I VOCs	App I VOCs
SWC-4B	Surface Water / Delineation	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: dissolved oxygen, nitrate, sulfate, ferrous iron, chloride, oxidation-reduction potential (ORP), carbon dioxide, total dissolved solids (TDS) and total alkalinity.

Table 1
Summary of Water Quality Parameters
Forsyth County - Hightower Road MSWLF
June 2022 Sampling Event

Well ID	Sample Method	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTU)	Methane in Headspace (%v/v)
Phase I Groundwater Locations						
PH1-GWA-1	Bailer	5.09	114	21.6	7.1	0.0
PH1-GWA-1A	Sub. Pump	5.79	68	20.3	2.7	NR
PH1-GWA-2	Bailer	5.60	74	22.7	4.5	0.0
PH1-GWA-3A	Sub. Pump	4.31	51	20.1	0.2	NR
PH1-GWA-4	Bailer	5.75	22	23.2	0.0	NR
PH1-GWB-1	Bailer	5.17	39	21.5	3.3	NR
PH1-GWB-2	Bailer	4.75	41	19.8	3.8	NR
PH1-GWC-1	Bailer	5.39	140	19.5	1.1	NR
PH1-GWC-2	Sub. Pump	5.82	158	21.6	0.2	0.0
PH1-GWC-3	Bailer	5.09	234	18.9	0.3	0.0
PH1-GWC-3A	Bailer	5.75	198	18.0	7.1	0.0
PH1-GWC-4	Bailer	5.11	22	22.7	23	NR
GWC-1	Bailer	5.13	84	18.3	0.4	NR
AMW-9	Bailer	5.38	38	21.2	0.5	0.0
Phase II, III, and IV Groundwater Locations						
GWA-1	Bailer	4.76	56	22.8	0.4	NR
GWA-1A	Sub. Pump	5.69	130	20.9	0.2	NR
GWA-2	Bailer	5.43	25	20.1	1.5	NR
GWA-3	Bailer	5.32	20	25.4	14	NR
GWC-2	Bailer	4.91	21	17.6	0.3	NR
GWC-3	Bailer	4.47	23	18.2	72	NR
GWC-3A	Bailer	4.56	35	17.7	0.4	NR
GWC-4	Bailer	4.60	30	20.5	0.2	NR
GWC-4A	Sub. Pump	6.20	102	20.5	70	NR
GWC-5	Bailer	5.22	19	19.7	1.5	NR
GWC-6	Bailer	5.79	49	20.1	1.9	NR
GWC-7	Bailer	5.35	50	21.4	0.8	NR
GWC-8	Bailer	4.82	42	22.3	0.2	NR
GWC-8A	Bailer	5.52	233	18.7	3.4	0.0
GWC-8R	Sub. Pump	5.95	305	20.1	33	0.0
GWC-9	Bailer	4.80	125	19.3	4.4	NR
GWC-10	Bailer	4.62	22	18.1	0.5	NR
GWC-10A	Bailer	4.92	54	18.6	0.3	NR
GWC-11	Bailer	4.62	25	18.5	0.3	NR
GWC-12	Bailer	4.59	20	19.7	0.2	NR
GWC-12A	Bailer	4.60	19	18.3	0.3	NR
GWC-13	Bailer	5.80	30	21.4	7.9	NR
GWC-14	Bailer	4.25	43	19.3	7.9	NR
GWC-14A	Bailer	5.63	371	19.2	0.3	0.0
GWC-14R	Sub. Pump	5.47	283	19.7	0.3	0.0

Notes: Groundwater samples collected June 6-10, 2022.

** = Metals not required.

Acronyms: °C = Degrees Celsius

µS/cm = microSiemens/centimeter

NTU = Nephelometric Turbidity Units

NR = Not required

%v/v = percent by volume

S.U. = Standard Units

Table 1 (Continued)
Summary of Water Quality Parameters
Forsyth County - Hightower Road MSWLF
June 2022 Sampling Event

Well ID	Sample Method	pH (S.U.)	Specific Conductance (μS/cm)	Temperature (°C)	Turbidity (NTU)	Methane in Headspace (%v/v)
Phase II, III, and IV Groundwater Locations (Continued)						
GWC-15	Obstruction in well - Refer to Surrogate AMW-1					0.0
GWC-16A	Purged Dry - Refer to Surrogate AMW-2					0.0
GWC-17	Bailer	4.82	45	21.8	0.2	0.0
GWC-18	Bailer	5.36	93	19.2	0.0	0.0
GWC-19R	Bailer	5.22	108	23.5	4.1	0.0
GWC-22	Bailer	5.41	33	21.3	12	NR
GWC-23	Bailer	4.74	108	21.8	0.0	NR
GWC-23A	Bailer	5.53	43	21.5	0.0	NR
GWC-24	Bailer	4.98	47	17.1	0.5	0.0
AMW-1	Sub. Pump	5.12	148	23.4	7.8	0.0
AMW-2	Bailer	5.94	151	22.4	0.3	0.0
AMW-4	Bailer	5.54	83	17.4	48 **	0.0
AMW-5	Bailer	5.61	81	17.7	408 **	0.0
AMW-12	Bailer	5.97	37	20.6	140 **	0.0
AMW-12R	Bailer	5.87	71	20.3	29	0.0
AMW-13	Bailer	4.95	31	17.7	0.0	0.0
AMW-14	Bailer	5.93	79	18.3	105 **	0.0

Notes: Groundwater samples collected June 6-10, 2022.

** = Metals not required.

Acronyms: °C = Degrees Celsius

μS/cm = microSiemens/centimeter

NTU = Nephelometric Turbidity Units

NR = Not required

%v/v = percent by volume

S.U. = Standard Units

Table 2
Summary of Groundwater Elevation Data
Forsyth County - Hightower Road MSWLF
June 2022 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 Locations				
PH1-GWA-1	48.66	1176.37	35.39	1140.98
PH1-GWA-1A	108.00	1176.35	36.44	1139.91
PH1-GWA-2	53.60	1183.40	33.56	1149.84
PH1-GWA-3A	250.00	1187.16	33.35	1153.81
PH1-GWA-4	57.00	1191.14	32.57	1158.57
PH1-GWB-1	53.80	1179.10	38.97	1140.13
PH1-GWB-2	42.22	1155.04	22.76	1132.28
PH1-GWC-1	23.79	1074.66	10.01	1064.65
PH1-GWC-2	127.61	1103.93	22.30	1081.63
PH1-GWC-3	23.42	1096.96	11.80	1085.16
PH1-GWC-3A	55.42	1096.28	10.87	1085.41
PH1-GWC-4	33.71	1124.26	26.99	1097.27
GWC-1	38.80	1102.25	27.51	1074.74
AMW-8	50.40	1186.23	36.49	1149.74
AMW-9	41.69	1162.64	28.83	1133.81
AMW-10	56.81	1180.73	42.35	1138.38
Phase II, III, and IV Groundwater Locations				
GWA-1	62.85	1187.70	53.80	1133.90
GWA-1A	141.00	1187.49	55.52	1131.97
GWA-2	52.18	1137.30	37.38	1099.92
GWA-3	48.86	1154.53	37.38	1117.15
GWC-2	55.61	1103.64	44.50	1059.14
GWC-3	39.71	1092.39	32.72	1059.67
GWC-3A	68.95	1094.67	30.78	1063.89
GWC-4	49.81	1132.82	41.80	1091.02
GWC-4A	89.23	1132.39	38.95	1093.44
GWC-5	49.91	1084.55	45.69	1038.86
GWC-6	34.52	1064.01	25.29	1038.72
GWC-7	54.21	1093.44	40.12	1053.32
GWC-8	27.53	1095.63	18.96	1076.67
GWC-8A	46.71	1095.44	17.97	1077.47
GWC-8R	94.67	1098.40	20.68	1077.72
GWC-9	60.50	1093.58	44.40	1049.18
GWC-10	37.51	1068.56	20.20	1048.36

Notes: Depths to water measured on June 6, 2022.

Acronyms: ft BTOC = feet below top of casing
ft MSL = feet Mean Sea Level
TOC = top of casing

Table 2 (Continued)
Summary of Groundwater Elevation Data
Forsyth County - Hightower Rd MSWLF
June 2022 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 II, III, and IV Groundwater Locations (Continued)				
GWC-10A	54.30	1066.45	20.68	1045.77
GWC-11	46.80	1054.08	31.34	1022.74
GWC-12	40.06	1038.06	27.37	1010.69
GWC-12A	49.44	1038.09	28.48	1009.61
GWC-13	44.95	1090.82	29.11	1061.71
GWC-14	28.37	1089.49	21.51	1067.98
GWC-14A	64.75	1089.32	20.94	1068.38
GWC-14R	93.61	1078.60	12.55	1066.05
GWC-15	62.84	1125.68	55.25	1070.43
GWC-16A	51.05	1136.49	DRY	DRY
GWC-17	21.59	1107.78	14.79	1092.99
GWC-18	52.70	1094.87	39.95	1054.92
GWC-19R	39.87	1105.79	28.06	1077.73
GWC-22	35.05	1079.01	21.55	1057.46
GWC-23	32.22	1079.06	16.71	1062.35
GWC-23A	61.67	1079.10	14.14	1064.96
GWC-24	44.09	1102.32	34.07	1068.25
AMW-1	180.70	1130.04	59.07	1070.97
AMW-2	150.00	1101.96	39.26	1062.70
AMW-3	31.30	1041.09	9.94	1031.15
AMW-4	18.80	1040.09	5.06	1035.03
AMW-5	23.06	1049.32	8.51	1040.81
AMW-11R	58.10	1053.63	8.33	1045.30
AMW-12	19.56	1056.85	7.49	1049.36
AMW-12R	46.43	1056.34	9.69	1046.65
AMW-13	36.18	1093.09	29.58	1063.51
AMW-14	21.70	1052.73	10.03	1042.70

Notes: Depths to water measured June 6, 2022.

Acronyms: ft BTOC = feet below top of casing
ft MSL = feet Mean Sea Level
TOC = top of casing

Table 3
Summary of Appendix I/II Organic Compound Detections
Forsyth County - Hightower Road MSWLF
June 2022 Sampling Event

Monitoring Well ID	1,1-DCA (µg/L)	Benzene (µg/L)	Benzo(a) pyrene (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)
GWPS	810*	5	0.2	110*	4.6*	70	5	5	2
Phase I Groundwater Locations									
PH1-GWA-1	--	--	--	--	--	2.3	--	--	--
PH1-GWA-1A	--	--	NS	--	--	--	--	--	--
PH1-GWA-2	--	--	--	--	--	26	--	--	--
PH1-GWA-3A	--	--	NS	--	--	--	--	--	--
PH1-GWA-4	--	--	NS	--	--	--	--	--	--
PH1-GWB-1	--	--	NS	--	--	--	--	--	--
PH1-GWB-2	--	--	NS	--	--	--	--	--	--
PH1-GWC-1	--	--	NS	--	--	--	--	--	--
PH1-GWC-2	--	--	--	--	--	5.6	3.4	2.1	--
PH1-GWC-3	3.2	--	--	--	--	26	8.3	7.2	--
PH1-GWC-3A	3.1	--	1.7	--	--	19	8.6	6.8	--
PH1-GWC-4	--	--	NS	--	--	--	--	--	--
GWC-1	--	--	NS	--	--	--	--	--	--
AMW-9	--	--	NS	--	--	--	--	--	--
Phase II, III, and IV Groundwater Locations									
GWA-1	--	--	NS	--	--	--	--	--	--
GWA-1A	--	--	NS	--	--	--	--	--	--
GWA-2	--	--	NS	--	--	--	--	--	--
GWA-3	--	--	NS	--	--	--	--	--	--
GWC-2	--	--	NS	--	--	--	--	--	--
GWC-3	--	--	NS	--	--	--	--	--	--
GWC-3A	--	--	NS	--	--	--	--	--	--
GWC-4	--	--	NS	--	--	--	--	--	--
GWC-4A	--	--	NS	--	--	--	--	--	--
GWC-5	--	--	NS	--	--	--	--	--	--
GWC-6	--	--	NS	--	--	--	--	--	--
GWC-7	--	--	NS	--	--	--	--	--	--
GWC-8	--	--	NS	--	--	--	--	--	--
GWC-8A	2.1	<u>2.0</u>	--	--	--	27	--	--	--
GWC-8R	8.8	--	--	--	--	24	--	--	--

Notes: Groundwater samples collected June 6-10, 2022.

-- = 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

NS = not sampled/not required

1,1-DCA = 1,1-Dichloroethane; 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 (Continued)
Summary of Appendix I/II Organic Compound Detections
Forsyth County - Hightower Road MSWLF
June 2022 Sampling Event

Monitoring Well ID	1,1-DCA (µg/L)	Benzene (µg/L)	Benzo(a) pyrene (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)
GWPS	810*	5		110*	4.6*	70	5	5	2
Phase II, III, and IV Groundwater Locations (Continued)									
GWC-9	--	--	NS	--	--	--	--	--	--
GWC-10	--	--	NS	--	--	--	--	--	--
GWC-10A	--	--	NS	--	--	--	--	--	--
GWC-11	--	--	NS	--	--	--	--	--	--
GWC-12	--	--	NS	--	--	--	--	--	--
GWC-12A	--	--	NS	--	--	--	--	--	--
GWC-13	--	--	NS	--	--	--	--	--	--
GWC-14	--	--	NS	--	--	--	--	--	--
GWC-14A	9.5	2.5	--	17	3.7	54	--	--	19
GWC-14R	11	--	--	--	--	21	--	2.8	--
GWC-15	Purged Dry; Refer to Surrogate AMW-1								
GWC-16A	Purged Dry; Refer to Surrogate AMW-2								
GWC-17	--	--	--	--	--	5.4	--	--	--
GWC-18	--	--	--	--	--	13	5.2	--	--
GWC-19R	--	--	--	--	--	4.0	--	--	--
GWC-22	--	--	NS	--	--	--	--	--	--
GWC-23	--	--	NS	--	--	--	--	--	--
GWC-23A	--	--	NS	--	--	--	--	--	--
GWC-24	--	--	--	--	--	--	--	--	--
AMW-1	39	4.2	--	--	--	150	42	65	--
AMW-2	--	--	--	--	--	--	--	--	--
AMW-4	--	--	NS	--	--	22	4.3	<u>2.3</u>	--
AMW-5	--	--	NS	--	--	2.2	--	--	--
AMW-12	--	--	NS	--	--	--	2.2	--	--
AMW-12R	6.3	--	NS	--	--	5.2	18	4.6	--
AMW-13	--	--	NS	--	--	--	--	--	--
AMW-14	--	--	NS	--	--	--	--	--	--

Notes: Groundwater samples collected June 6-10, 2022.
-- = 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
NS = not sampled/not required
1,1-DCA = 1,1-Dichloroethane; 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
June 2022 Sampling Event

Monitoring Well ID	Barium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Zinc (mg/L)
GWPS	2	0.1	0.73*	5**
Phase I Groundwater Locations				
PH1-GWA-1	0.0253	--	0.0747	--
PH1-GWA-1A	0.0259	<u>0.0199</u>	--	0.0382
PH1-GWA-2	0.0590	--	--	--
PH1-GWA-3A	--	--	--	--
PH1-GWA-4	--	--	--	--
PH1-GWB-1	0.0537	--	--	--
PH1-GWB-2	--	--	--	0.0294
PH1-GWC-1	0.0420	--	--	--
PH1-GWC-2	0.0209	<u>0.0157</u>	--	0.0459
PH1-GWC-3	0.0255	--	--	--
PH1-GWC-3A	0.0301	--	--	0.0388
PH1-GWC-4	0.0266	--	--	0.0307
GWC-1	0.0791	--	--	--
AMW-9	--	--	--	0.0293
Phase II, III, and IV Groundwater Locations				
GWA-1	0.0204	--	--	0.0308
GWA-1A	0.0318	--	--	--
GWA-2	0.0224	--	--	--
GWA-3	--	--	--	--
GWC-2	--	<u>0.0185</u>	--	--
GWC-3	--	--	--	0.0251
GWC-3A	0.0323	--	--	--
GWC-4	--	--	--	0.0394
GWC-4A	0.0363	--	--	0.0245
GWC-5	--	--	--	0.0272
GWC-6	--	--	--	--
GWC-7	0.0364	--	--	0.0240
GWC-8	0.0335	--	--	--
GWC-8A	0.0399	--	--	--
GWC-8R	0.0358	--	--	0.0246

Notes: Groundwater samples collected June 6-10, 2022.

-- = Below laboratory reporting limit.

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.

Acronyms: mg/L = milligrams per liter

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 (Continued)
Summary of Appendix I/II Metals Detections
Forsyth County - Hightower Road MSWLF
June 2022 Sampling Event

Monitoring Well ID	Barium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Zinc (mg/L)
GWPS	2	0.1	0.73*	5**
Phase II, III, and IV Groundwater Locations				
GWC-9	0.0557	--	--	0.0687
GWC-10	--	--	--	--
GWC-10A	0.0318	--	--	--
GWC-11	--	--	--	--
GWC-12	--	--	--	--
GWC-12A	--	--	--	--
GWC-13	--	--	--	--
GWC-14	0.0208	--	<u>0.0855</u>	0.0221
GWC-14A	0.167	--	0.252	--
GWC-14R	0.0941	--	--	--
GWC-15	Purged Dry; Refer to Surrogate AMW-1			
GWC-16A	Purged Dry; Refer to Surrogate AMW-2			
GWC-17	0.0411	--	--	--
GWC-18	0.196	--	--	--
GWC-19R	0.0856	--	--	--
GWC-22	0.0258	--	--	--
GWC-23	--	--	--	--
GWC-23A	--	--	--	--
GWC-24	--	--	--	--
AMW-1	0.0708	--	--	0.0249
AMW-2	--	--	--	0.0341
AMW-13	--	--	--	--

Notes: Groundwater samples collected June 6-10, 2022.

-- = Below laboratory reporting limit.

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.

Acronyms: mg/L = milligrams per liter

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 5
Groundwater Flow Rate Calculation
Forsyth County - Hightower Road MSWLF
June 2022 Sampling Event

Equation

$$v = \frac{k(i)}{n_e}$$

where: v = groundwater velocity
k = hydraulic conductivity
i = hydraulic gradient (dh/dl)
dh = the difference between two hydraulic heads
dl = the flow path length between the two piezometers
n_e = effective porosity

Values Used in Calculation

k =	1.0	ft/day	(reference 1)
i ¹ =	0.084	ft/ft	PH1-GWA-2 to GWC-1
i ² =	0.113	ft/ft	GWA-3 to GWC-2
i ³ =	0.094	ft/ft	GWA-2 to GWC-23
i ⁴ =	0.106	ft/ft	GWC-8 to AMW-11R
i ^{AVE} =	0.099	ft/ft	Average
n _e =	0.20	unitless	(reference 1)

Calculation

$$v = \frac{(1.0 \text{ ft/day}) (0.099 \text{ ft/ft})}{20\%}$$

$$v = 0.50 \text{ ft/day}$$

$$v = 181 \text{ ft/year}$$

Notes: ft = feet

Reference:

(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 & Field Parameters
Forsyth County - Hightower Road MSWLF
June 2022 Sampling Event

Location ID	cis-1,2-DCE (µg/L)	Total Organic Carbon (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Barium (mg/L)
SWA-1	NS	1.33	--	2.34	0.0456
SWA-2	NS	--	--	2.13	--
SWC-1	--	--	--	6.82	--
SWC-2	NS	--	--	2.09	--
SWC-3	NS	--	--	2.69	--
SWC-4	--	--	--	2.69	--
SWC-4A	--	NS	NS	NS	NS
SWC-4B	--	NS	NS	NS	NS
SWC-5	NS	4.44	12.2	21.3	0.0442
SWC-6	7.6	2.32	--	17.0	0.0344
SWC-7	NS	1.09	--	1.98	--
SWC-8	DRY				
SWC-9	DRY				

Location ID	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTU)
SWA-1	6.18	62	20.6	29
SWA-2	5.68	51	18.9	10
SWC-1	5.95	127	19.0	0.3
SWC-2	6.02	52	19.5	13
SWC-3	5.69	62	19.3	3.3
SWC-4	5.98	59	19.2	2.8
SWC-4A	6.00	39	19.1	0.1
SWC-4B	4.36	147	26.1	12
SWC-5	6.00	261	20.9	13
SWC-6	6.15	183	19.5	0.2
SWC-7	4.87	31	18.5	1.4
SWC-8	DRY			
SWC-9	DRY			

Notes: Surface water samples were collected June 6-10, 2022.

-- = Below laboratory reporting limit.

Surface water samples are grab samples.

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

Acronyms: °C = Degrees Celsius
cis-1,2-DCE = cis-1,2-Dichloroethene
mg/L = milligrams per liter
µg/L = micrograms per liter

µS/cm = microSiemens/centimeter
NTU = Nephelometric Turbidity Units
NS = not sampled/not required
S.U. = Standard Units

Table 7
Summary of Statistically Significant Increases
Forsyth County - Hightower Road MSWLF
June 2022 Sampling Event

Well ID	Appendix I VOCs							Appendix I Metals		
	1,1-DCA	Benzene	Chloro-ethane	cis-1,2-DCE	PCE	TCE	Vinyl Chloride	Total Barium	Total Cobalt	Total Zinc
Phase I Downgradient Groundwater Network Locations										
PH1-GWA-1				X					X	
PH1-GWA-1A										
PH1-GWA-2				X				X		
PH1-GWB-1								X		
PH1-GWB-2										
PH1-GWC-1								X		
PH1-GWC-2				X	X	X				
PH1-GWC-3	X			X	X	X				
PH1-GWC-3A	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									X	
GWC-14A	X	X	X	X			X	X	X	
GWC-14R	X			X		X				
GWC-15	X	X		X	X	X		X		
GWC-16A										
GWC-17				X						
GWC-18				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 concentration above a Groundwater Protection Standard (GWPS).

* 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
June 2022 Sampling Event

Well	Parameter	Dec-20	Jun-21	Dec-21	Jun-22	mean	SD	95% LCL	GWPS	95% LCL > GWPS
PH1-GWC-3	PCE	9.1	9.3	8.8	8.3	8.9	0.4	8.4	5	Yes
PH1-GWC-3	TCE	7.6	7.5	7.1	7.2	7.4	0.2	7.1	5	Yes
PH1-GWC-3A	PCE	5.7	8.1	7.2	8.6	7.4	1.3	5.9	5	Yes
PH1-GWC-3A	TCE	8.1	6.1	5.7	6.8	6.7	1.1	5.4	5	Yes
GWC-14A	Vinyl Chloride	11	12	19	19	15.3	4.3	10.1	2	Yes
AMW-1/GWC-15	cis-1,2-DCE	110	130	140	150	132.5	17.1	112.4	70	Yes
AMW-1/GWC-15	PCE	19	29	12	42	25.5	13.0	10.2	5	Yes
AMW-1/GWC-15	TCE	45	71	48	65	57.3	12.7	42.3	5	Yes
GWC-18	PCE	6.4	3.1	3.4	5.2	4.5	1.6	2.7	5	No

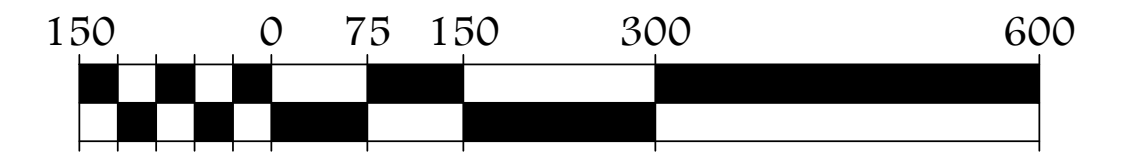
Notes: Reference: D7048 – 16 Standard Guide for Applying Statistical Methods for Assessment and Corrective Action
Environmental Monitoring Programs

Acronyms: cis-1,2-DCE = cis-1,2-Dichloroethene GWPS = groundwater protection standard
PCE = Tetrachloroethene LCL = lower confidence limit
TCE = Trichloroethene SD = standard deviation

FIGURE



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



SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
— 850 —	PROMINENT CONTOUR
— — — —	INTERMEDIATE CONTOUR
- - - - -	PROPERTY BOUNDARY
- - - - -	APPROXIMATE LIMIT OF WASTE
- - - - -	GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
→	GROUNDWATER FLOW DIRECTION
● GWA-1	GROUNDWATER MONITORING WELL
▲ SWA-1	SURFACE WATER MONITORING POINT
■ MM-1	METHANE MONITORING POINT
□ MV-1	METHANE VENT
● PH1-MV04	EXTRACTION POINT WITH ACTIVE FLARE

NOTES

1. DEPTHS TO GROUNDWATER MEASURED BY ATLANTIC COAST CONSULTING, INC. JUNE 6, 2022.
2. WELL AND PROBE LOCATIONS ARE APPROXIMATE AND BASED ON W.L. JORDEN & CO. DRAWINGS DATED MARCH 3, 1996.
3. SURVEY IS PROVIDED BY APALACHIAN SURVEYING COMPANY IN CUMMING, GEORGIA DATED JANUARY AND APRIL 1998. CONTROL POINT COORDINATES WERE TAKEN FROM THESE SURVEYS.
4. LOCATIONS OF MM-1R, MM-13, MM-14, AND MM-15 ARE APPROXIMATE.
5. LOCATIONS OF AMW-2 AND AMW-3 ARE APPROXIMATE.
6. GWA-1A, GWC-4A, GWC-23A, AMW-2 AND AMW-9 ARE NOT USED FOR POTENTIOMETRIC CONTOURS.
7. POTENTIOMETRIC CONTOUR INTERVAL IS 10 FEET.
8. FT BTWC = FEET BELOW CASING; FT MSL = FEET MEAN SEA LEVEL; AND FT BGS = FEET BELOW GROUND SURFACE; NA = NOT APPLICABLE.

REVISIONS

0. INITIAL ISSUE	09/16/2022
------------------	------------



FORSYTH COUNTY
HIGHTOWER ROAD LANDFILL

POTENTIOMETRIC SURFACE MAP
JUNE 2022

Drawn by:	AS	Checked by:	TG	QC by:	UP
-----------	----	-------------	----	--------	----

PROJECT NUMBER:	GO20-113	FIGURE:	1
-----------------	----------	---------	---

SUMMARY OF GROUNDWATER ELEVATION DATA
FORSYTH COUNTY - HIGHTOWER ROAD MSWLF
JUNE 2022 SAMPLING EVENT

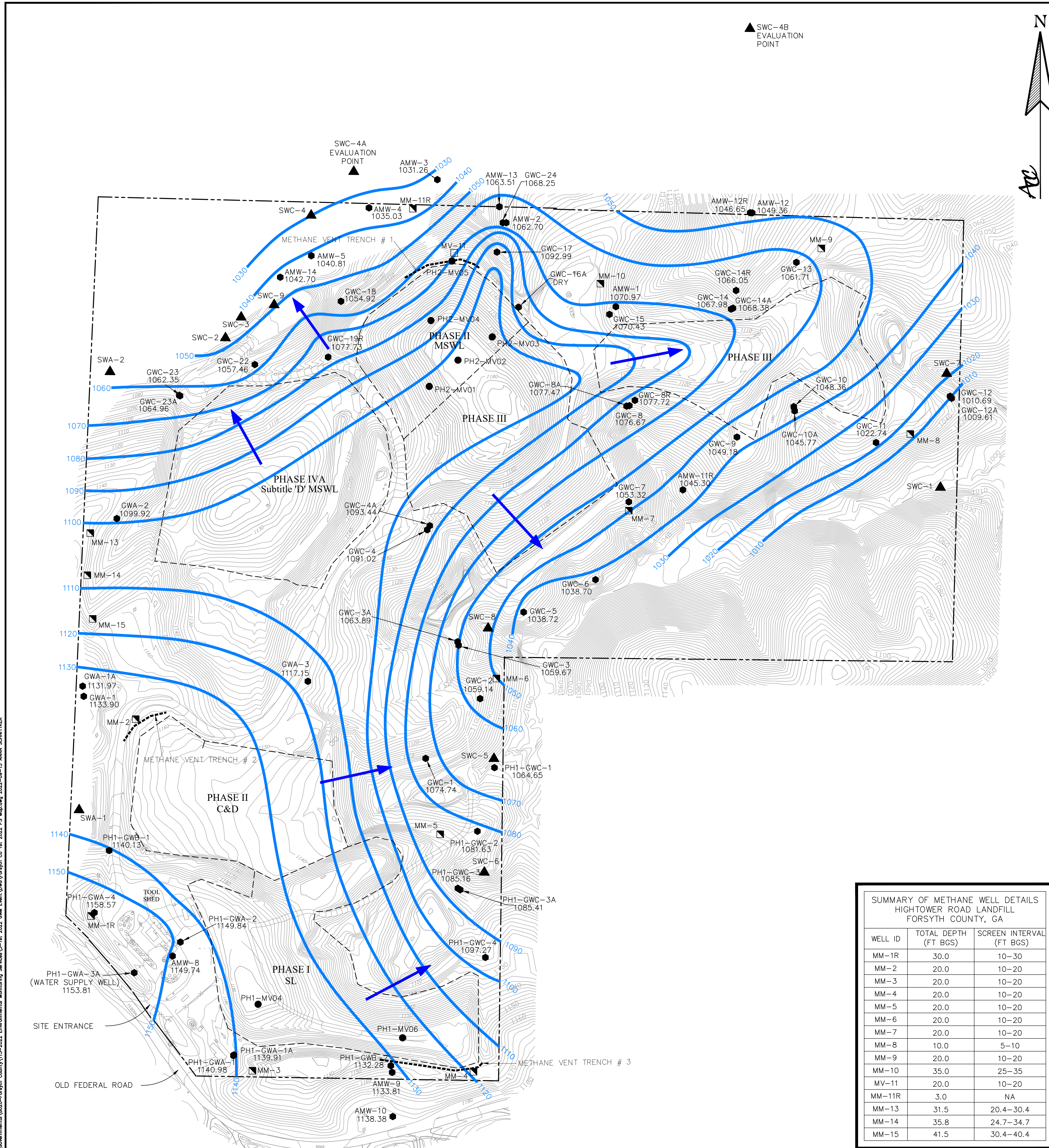
MONITORING WELL ID	TOTAL WELL DEPTH (FT BTWC)	TOC ELEVATION (FT MSL)	DEPTH TO WATER LEVEL (FT BTWC)	GROUNDWATER ELEVATION (FT MSL)
PHASE I WELLS				
PH1-GWA-1	48.66	1176.37	35.39	1140.98
PH1-GWA-1A	108.00	1176.35	36.44	1139.91
PH1-GWA-2	53.60	1183.40	33.56	1149.84
PH1-GWA-3A	250.00	1187.16	33.35	1153.81
PH1-GWA-4	57.00	1191.14	32.57	1158.57
PH1-GWB-1	53.80	1179.10	38.97	1140.13
PH1-GWB-2	42.22	1155.04	22.76	1132.28
PH1-GWC-1	23.79	1074.66	10.01	1064.65
PH1-GWC-2	127.61	1103.93	22.30	1081.63
PH1-GWC-3	23.42	1096.96	11.80	1085.16
PH1-GWC-3A	55.42	1096.28	10.87	1085.41
PH1-GWA-4	33.71	1124.26	26.99	1097.27
GWC-1	38.80	1102.25	27.51	1074.74
AMW-8	50.40	1186.23	36.49	1149.74
AMW-9	41.69	1162.64	28.83	1133.81
AMW-10	56.81	1180.73	42.35	1138.38
PHASE II - IV WELLS				
GWA-1	62.85	1187.70	53.80	1133.90
GWA-1A	141.00	1187.49	55.52	1131.97
GWA-2	52.18	1137.30	37.38	1099.92
GWA-3	48.86	1154.53	37.38	1117.15
GWC-2	55.61	1103.64	44.50	1059.14
GWC-3	39.71	1092.39	32.72	1059.67
GWC-3A	68.95	1094.67	30.78	1063.89
GWC-4	49.81	1132.82	41.80	1091.02
GWC-4A	89.23	1132.39	38.95	1093.44
GWC-5	49.91	1084.55	45.69	1038.86
GWC-6	34.52	1064.01	25.29	1038.72
GWC-7	54.21	1093.44	40.12	1053.32
GWC-8	27.53	1095.63	18.96	1076.67
GWC-8A	46.71	1095.44	17.97	1077.47
GWC-8R	94.67	1098.40	20.68	1077.72
GWC-9	60.50	1093.58	44.40	1049.18
GWC-10	37.51	1068.56	20.20	1048.36

SUMMARY OF GROUNDWATER ELEVATION DATA
FORSYTH COUNTY - HIGHTOWER RD MSWLF
JUNE 2022 SAMPLING EVENT

MONITORING WELL ID	TOTAL WELL DEPTH (FT BTWC)	TOC ELEVATION (FT MSL)	DEPTH TO WATER LEVEL (FT BTWC)	GROUNDWATER ELEVATION (FT MSL)
PHASE II - IV WELLS				
GWC-10A	54.30	1066.45	20.68	1045.77
GWC-11	46.80	1054.08	31.34	1022.74
GWC-12	40.06	1038.06	27.37	1010.69
GWC-12A	49.44	1038.09	28.48	1009.61
GWC-13	44.95	1090.82	29.11	1061.71
GWC-14	28.37	1089.49	21.51	1067.98
GWC-14A	64.75	1089.32	20.94	1068.38
GWC-14R	93.61	1078.60	12.55	1066.05
GWC-15	62.84	1125.68	55.25	1070.43
GWC-16A	51.05	1136.49	DRY	DRY
GWC-17	21.59	1107.78	14.79	1092.99
GWC-18	52.70	1094.87	39.95	1054.92
GWC-19R	39.87	1105.79	28.06	1077.73
GWC-22	35.05	1079.01	21.55	1057.46
GWC-23	32.22	1079.06	16.71	1062.35
GWC-23A	61.67	1079.10	14.14	1064.96
GWC-24	44.09	1102.32	34.07	1068.25
AMW-1	180.70	1130.04	59.07	1070.97
AMW-2	150.00	1101.96	39.26	1062.70
AMW-3	31.30	1041.09	9.94	1031.15
AMW-4	18.80	1040.09	5.06	1035.03
AMW-5	23.06	1049.32	8.51	1040.81
AMW-11R	58.10	1053.63	8.33	1045.30
AMW-12	19.56	1056.85	7.49	1049.36
AMW-12R	46.43	1056.34	9.69	1046.65
AMW-13	36.18	1093.09	29.58	1063.51
AMW-14	21.70	1052.73	10.03	1042.70

SUMMARY OF METHANE WELL DETAILS
HIGHTOWER ROAD LANDFILL
FORSYTH COUNTY, GA

WELL ID	TOTAL DEPTH (FT BGS)	SCREEN INTERVAL (FT BGS)
MM-1R	30.0	10-30
MM-2	20.0	10-20
MM-3	20.0	10-20
MM-4	20.0	10-20
MM-5	20.0	10-20
MM-6	20.0	10-20
MM-7	20.0	10-20
MM-8	10.0	5-10
MM-9	20.0	10-20
MM-10	35.0	25-35
MV-11	20.0	10-20
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



P:\Governmental\2020-Forsyth County\11-2022 Environmental Monitoring Services\11-2022 Environmental Monitoring Services\11-2022 PS Map.dwg 2022-09-15 ANNA SCHNITZER

ATTACHMENTS

ATTACHMENT A
LABORATORY ANALYTICAL RESULTS



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 13, 2022

Charles Adams
Atlantic Coast Consulting, Inc.
1150 Northmeadow Pkwy
Roswell GA 30076

RE: Forsyth County-Hightower Road MSWLF

Dear Charles Adams:

Order No: 2206B25

Analytical Environmental Services, Inc. received 56 samples on 6/8/2022 3:15:00 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 AES established limits.

AES’s 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 07/01/22-06/30/23.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/23 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-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 11/01/23.

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

Revision 7/13/2022

CHAIN OF CUSTODY

COMPANY: Atlantic Coast Consulting, Inc.		ADDRESS: 1150 Northmeadow Pkwy Suite 100 Roswell, GA 30076					ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers						
PHONE: 770-712-9785 or 770-594-5998		EMAIL: charles.adams@atlcc.net					Appendix I VOC	App II VOC	Appendix I Metals	Potassium / Magnesium	Chloride	Cyanide	COD	TOC	SW Metals **									
SAMPLED BY: <u>Katie Horfield</u>		SIGNATURE: <u>[Signature]</u>																						
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)										REMARKS							
		DATE	TIME				H+I	H+I	N	N	I	NaOH	S+I	S+I	N									
1	GWA-3	6/6/22	1620	✓		GW	✓																	2
2	GWA-3	6/7/22	940	✓		GW																		1
3	GW-22	6/6/22	1450	✓		GW	✓																	2
4	GW-22	6/7/22	915	✓		GW																		1
5	GW-23	6/6/22	1200	✓		GW	✓																	2
6	GW-23	6/7/22	855	✓		GW	✓																	1
7	GW-23A	6/6/22	1300	✓		GW	✓																	2
8	GW-23A	6/7/22	900	✓		GW																		1
9	AMW-4	6/7/22	1115	✓		GW		✓																2
10	AMW-5	6/7/22	1135	✓		GW		✓																2
11	AMW-14	6/7/22	1215	✓		GW		✓																2
12	Field Blank-2	6/8/22	1030	✓		GW	✓																	3
13	PHI-GWA-4	6/7/22	1535	✓		GW	✓																	3
14	PHI-GWA-4	6/8/22	945	✓		GW																		1
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION										RECEIPT						
1. <u>[Signature]</u> 6/8/22 1130		6/8/22 1130		1. <u>[Signature]</u> 6/8/22 1130		6/8/22 1130		PROJECT NAME: Forsyth County - Hightower Road MSWLF										Total # of Containers <u>25</u>						
2. <u>[Signature]</u> 6/8/22 1430		6/8/22 1430		2. <u>[Signature]</u> 6/8/22 1430		6/8/22 1430		PROJECT #: G020-113										Turnaround Time (TAT) Request						
3. <u>[Signature]</u> 6/8/22 1515		6/8/22 1515		3. <u>[Signature]</u> 6/8/22 3:15		6/8/22 3:15		SITE ADDRESS: 9480 Old Federal Road, Ballground, GA 30107										<input type="checkbox"/> Standard						
SPECIAL INSTRUCTIONS/COMMENTS: ** Surface Water Metals: As, Ba, Cd, Cr, Pb, Ni, Ag, Se, Zn, Hg		SHIPMENT METHOD		OUT: <u>[Signature]</u> VIA:		IN: <u>[Signature]</u> VIA:		SEND REPORT TO: Charles Adams, Betsy McDaniel										<input type="checkbox"/> 2 Business Day Rush						
		Client FedEx UPS US mail courier		other: _____				INVOICE TO (IF DIFFERENT FROM ABOVE):										<input type="checkbox"/> Next Business Day Rush						
								QUOTE #: _____ PO#: _____										<input type="checkbox"/> Same-Day Rush (auth req.)						
																		<input type="checkbox"/> Other _____						
																		STATE PROGRAM (if any): _____						
																		E-mail? <input type="checkbox"/> Fax? <input type="checkbox"/>						
																		DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>						

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

CHAIN OF CUSTODY

COMPANY: Atlantic Coast Consulting, Inc.		ADDRESS: 1150 Northmeadow Pkwy Suite 100 Roswell, GA 30076			ANALYSIS REQUESTED														Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers																
PHONE: 770-712-9785 or 770-594-5998		EMAIL: charles.adams@atlcc.net			Appendix I VOC	App II VOC	Appendix I Metals	Potassium / Magnesium	Chloride	Cyanide	COD	TOC	SW Metals **																							
SAMPLER BY: <i>Katie Hollibee</i>		SIGNATURE: <i>Charles Adams</i>			PRESERVATION (see codes)																															
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)															REMARKS															
		DATE	TIME				H+I	H+I	N		N	I			NaOH	S+I	S+I	N																		
1	PH1-GWB-1	6/7/22	1315	✓		GW	✓																													2
2	PH1-GWB-1	6/8/22	925	✓		GW			✓																											1
3	PH1-GWC-4	6/6/22	1540	✓		GW	✓																													2
4	PH1-GWC-4	6/7/22	930	✓		GW			✓																											1
5																																				
6																																				
7																																				
8																																				
9																																				
10																																				
11																																				
12																																				
13																																				
14																																				
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION														RECEIPT														
1. <i>Charles Adams</i>		6/8/22 1130		1. <i>Charles Adams</i>		6/8/22 1130		PROJECT NAME: Forsyth County - Hightower Road MSWLF														Total # of Containers: 6														
2. <i>Charles Adams</i>		6/8/22 1430		2. <i>Charles Adams</i>		6/8/22 1430		PROJECT #: G020-113														Turnaround Time (TAT) Request														
3. <i>Charles Adams</i>		6/8/22 1515		3. <i>Charles Adams</i>		6/8/22 3:15P		SITE ADDRESS: 9480 Old Federal Road, Ballground, GA 30107														<input type="checkbox"/> Standard <input type="checkbox"/> 2 Business Day Rush <input type="checkbox"/> Next Business Day Rush <input type="checkbox"/> Same-Day Rush (auth req.) <input type="checkbox"/> Other _____														
SPECIAL INSTRUCTIONS/COMMENTS: ** Surface Water Metals: As, Ba, Cd, Cr, Pb, Ni, Ag, Se, Zn, Hg				SHIPMENT METHOD				SEND REPORT TO: Charles Adams, Betsy McDaniel														STATE PROGRAM (if any): _____														
				OUT: <i>Client</i> VIA: _____				INVOICE TO (IF DIFFERENT FROM ABOVE):														E-mail? <input type="checkbox"/> Fax? <input type="checkbox"/>														
				IN: _____ VIA: _____																		DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>														
				other: _____				QUOTE #: _____ PO#: _____																												
Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.																																				

CHAIN OF CUSTODY

COMPANY: Atlantic Coast Consulting, Inc.		ADDRESS: 1150 Northmeadow Pkwy Suite 100 Roswell, GA 30076					ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers
PHONE: 770-712-9785 or 770-594-5998		EMAIL: charles.adams@atlcc.net					Appendix I VOC	Appendix II VOC	Appendix I Metals	Potassium / Magnesium	Chloride				Cyanide	COD			
SAMPLED BY: <i>H. Auld</i>		SIGNATURE: <i>H. Auld</i>					PRESERVATION (see codes)										REMARKS		
#	SAMPLE ID	DATE	TIME	GRAB	COMPOSITE	MATRIX (see codes)	H+I	H+I	N		N	I		NaOH	S+I	S+I			
1	PHI-GWA-3A	6-6-22	1600	✓		W	✓		✓										3
2	SWC-4B	6-6-22	1355	✓		W	✓												2
3	GWC-1	6-7-22	1120	✓		W	✓												2
4	GWC-2	6-7-22	1150	✓		W	✓												2
5	GWC-3	6-7-22	1215	✓		W	✓												2
6	GWC-3A	6-7-22	1230	✓		W	✓												2
7	GWC-9	6-7-22	1330	✓		W	✓												2
8	GWC-10A	6-7-22	1405	✓		W	✓												2
9	GWC-10	6-7-22	1410	✓		W	✓												2
10	GWC-12	6-7-22	1450	✓		W	✓												2
11	GWC-12A	6-7-22	1455	✓		W	✓												2
12	GWC-11	6-7-22	1520	✓		W	✓												2
13	AMW-13	6-7-22	1545	✓		W													2
14	GWC-1	6-8-22	0925	✓		W													1
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION										RECEIPT	
1. <i>H. Auld</i>		6-8-22/1115		1. <i>[Signature]</i>		6/8/22 1115		PROJECT NAME: Forsyth County - Hightower Road MSWLF										Total # of Containers	
2. <i>[Signature]</i>		6/8/22 1430		2. <i>[Signature]</i>		6/8/22 1430		PROJECT #: G020-113										Turnaround Time (TAT) Request	
3. <i>[Signature]</i>		6/8/22 1515		3. <i>[Signature]</i>		6/8/22 3:15p		SITE ADDRESS: 9480 Old Federal Road, Ballground, GA 30107										<input checked="" type="checkbox"/> Standard	
SPECIAL INSTRUCTIONS/COMMENTS: ** Surface Water Metals: As, Ba, Cd, Cr, Pb, Ni, Ag, Se, Zn, Hg				SHIPMENT METHOD				SEND REPORT TO: Charles Adams, Betsy McDaniel										<input type="checkbox"/> 2 Business Day Rush	
				OUT: <i>[Signature]</i>		VIA: <i>[Signature]</i>		INVOICE TO (IF DIFFERENT FROM ABOVE):										<input type="checkbox"/> Next Business Day Rush	
				IN: <i>[Signature]</i>		VIA: <i>[Signature]</i>		QUOTE #: _____ PO#: _____										<input type="checkbox"/> Same-Day Rush (auth req.)	
				Client FedEx UPS US mail courier		other: _____												<input type="checkbox"/> Other _____	
																		STATE PROGRAM (if any): _____	
																		E-mail? <input type="checkbox"/> Fax? <input type="checkbox"/>	
																		DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>	

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

CHAIN OF CUSTODY

COMPANY: Atlantic Coast Consulting, Inc.		ADDRESS: 1150 Northmeadow Pkwy Suite 100 Roswell, GA 30076				ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers	
PHONE: 770-712-9785 or 770-594-5998		EMAIL: charles.adams@atlcc.net				Appendix I VOC	Appendix II VOC	Appendix I Metals	Potassium / Magnesium	Chloride			Cyanide	COD	TOC				SW Metals **
SAMPLED BY: <u>H. Auld</u>		SIGNATURE: <u>[Signature]</u>				PRESERVATION (see codes)										REMARKS			
#	SAMPLE ID	DATE	TIME	GRAB	COMPOSITE	MATRIX (see codes)	H+I	H+I	N		N	I		NaOH	S+I				S+I
1	GWC-2	6-8-22	0935	✓		W			✓										1
2	GWC-3A	6-8-22	0940	✓		W			✓										1
3	GWC-3	6-8-22	0945	✓		W			✓										1
4	GWC-9	6-8-22	0955	✓		W			✓										1
5	GWC-10A	6-8-22	1005	✓		W			✓										1
6	GWC-10	6-8-22	1010	✓		W			✓										1
7	GWC-12	6-8-22	1015	✓		W			✓										1
8	GWC-12A	6-8-22	1020	✓		W			✓										1
9	GWC-11	6-8-22	1025	✓		W			✓										1
10	AMW-13	6-8-22	1040	✓		W			✓										1
11	Trip Blank			✓		W		✓											2
12																			
13																			
14																			
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION										RECEIPT	
1. <u>[Signature]</u>		6-8-22/MS		1. <u>[Signature]</u>		6/8/22 1115		PROJECT NAME: Forsyth County - Hightower Road MSWLF										Total # of Containers	
2. <u>[Signature]</u>		CA 6/8/22 130		2. <u>[Signature]</u>		6/8/22 1430		PROJECT #: G020-113										Turnaround Time (TAT) Request	
3. <u>[Signature]</u>		6/8/22 1515		3. <u>[Signature]</u>		6/8/22 3:25		SITE ADDRESS: 9480 Old Federal Road, Ballground, GA 30107										<input checked="" type="checkbox"/> Standard	
SPECIAL INSTRUCTIONS/COMMENTS: ** Surface Water Metals: As, Ba, Cd, Cr, Pb, Ni, Ag, Se, Zn, Hg		SHIPMENT METHOD		OUT:		VIA:		SEND REPORT TO: Charles Adams, Betsy McDaniel										<input type="checkbox"/> 2 Business Day Rush	
				IN:		VIA:		INVOICE TO (IF DIFFERENT FROM ABOVE):										<input type="checkbox"/> Next Business Day Rush	
				Client		FedEx UPS US mail courier		QUOTE #: _____ PO#: _____										<input type="checkbox"/> Same-Day Rush (auth req.)	
				other: _____														<input type="checkbox"/> Other _____	
																		STATE PROGRAM (if any): _____	
																		E-mail? <input type="checkbox"/> Fax? <input type="checkbox"/>	
																		DATA PACKAGE: I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/>	
Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.																			

CHAIN OF CUSTODY

COMPANY: Atlantic Coast Consulting, Inc.		ADDRESS: 1150 Northmeadow Pkwy Suite 100 Roswell, GA 30076					ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers				
PHONE: 770-712-9785 or 770-594-5998		EMAIL: charles.adams@atlcc.net					App II VOC ED5/DBCP Appendix II Metals App II BNA/Pest/PCB/Herb Cyanide Sulfide																
SAMPLED BY: <i>H. Auld, Kame Holtsford</i>		SIGNATURE: <i>[Signature]</i>					PRESERVATION (see codes)										REMARKS						
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)																	
		DATE	TIME				H+I	H+I	N	I	NaOH	ZnAc											
1	PHI-GWC-3	6-7-22	0940	✓		W	✓	✓			✓	✓	✓									14	
2	PHI-GWC-3A	6-7-22	1025	✓		W	✓	✓			✓	✓	✓									14	
3	PHI-GWC-1	6-7-22	1120	✓																		14	
4	GWC-24	6-7-22	1555	✓		W	✓	✓			✓	✓	✓									14	
5	PHI-GWC-3	6-8-22	0910	✓		W					✓											1	
6	PHI-GWC-3A	6-8-22	0915	✓		W					✓											1	
7	GWC-24	6-8-22	1035	✓		W					✓											1	
8	GWC-18	6/7/22	1030	✓		GW	✓	✓			✓	✓	✓									14	
9	GWC-18	6/8/22	0905	✓		GW					✓											1	
10	GWC-19R	6/6/22	1355	✓		GW	✓	✓			✓	✓	✓									14	
11	GWC-19R	6/7/22	0910	✓		GW					✓											1	
12	PHI-GWA-2	6/7/22	1405	✓		GW	✓	✓			✓	✓	✓									14	
13	PHI-GWA-2	6/8/22	0935	✓		GW					✓											1	
14																							
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION										RECEIPT					
1. <i>[Signature]</i> 6-8-22/1115		6-8-22/1115		1. <i>[Signature]</i> 6/8/22 1115		6/8/22 1115		PROJECT NAME: Forsyth County - Hightower Road MSWLF										Total # of Containers 90					
2. <i>[Signature]</i> 6/3/22 1115 1430		6/3/22 1115 1430		2. <i>[Signature]</i> 6/8/22 1430		6/8/22 1430		PROJECT #: G020-113										Turnaround Time (TAT) Request <input type="checkbox"/> Standard <input type="checkbox"/> 2 Business Day Rush <input type="checkbox"/> Next Business Day Rush <input type="checkbox"/> Same-Day Rush (auth req.) <input type="checkbox"/> Other _____					
3. <i>[Signature]</i> 6/8/22 1515		6/8/22 1515		3. <i>[Signature]</i> 6/8/22 315		6/8/22 315		SITE ADDRESS: 9480 Old Federal Road, Ballground, GA 30107										STATE PROGRAM (if any): _____ E-mail? <input type="checkbox"/> Fax? <input type="checkbox"/>					
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD OUT: <i>[Signature]</i> / VIA: IN: <i>[Signature]</i> / VIA: Client FedEx UPS US mail courier other: _____								SEND REPORT TO: Charles Adams, Betsy McDaniel										DATA PACKAGE: I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/>	
												INVOICE TO (IF DIFFERENT FROM ABOVE):											
												QUOTE #: _____ PO#: _____											

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

Client: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25

Case Narrative**Sample Receiving Nonconformance:**

Only one vial with sample was submitted for 2206B25-050 "GWC-18." Laboratory proceeded with the single vial submitted for analysis.

Pesticide Analysis by Method 8081B:

Due to sample matrix, sample 2206B25-044 required dilution during preparation and/or analysis resulting in elevated reporting limits.

PCBs Analysis by Method 8082A:

Due to sample matrix, sample 2206B25-044 required dilution during preparation and/or analysis resulting in elevated reporting limits.

Revision 7/13/2022:

Report was revised to reflect an updated App II Metals/SVOC/VOC lists at the request of the client. Compounds Benzo(a)pyrene, 1,2,4-Trichlorobenzene, Naphthalene, 1,3-Dichlorobenzene and Hexachlorobenzene were removed and compounds 1,3-Dinitrobenzene and 3,3'-Dimethylbenzidine were added for SVOCs. Also, the reporting limit of Benzo(a)pyrene via SIM PAHs was elevated to 0.2 ug/L. VOCs compounds 1,2-dibromo-3-chloropropane and 1,2-dibromoethane were removed and for Metals compounds Antimony, Beryllium, Cobalt, Copper, Thallium, Vanadium were added and Potassium and Magnesium was analyzed under sample 2206B25-014A rather than -013B as listed on the COC. Lastly, metals samples were re-analyzed for Zinc.

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWA-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/6/2022 4:20:00 PM
Lab ID: 2206B25-001	Matrix: Groundwater

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	337894	1	06/10/2022 14:00	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 14:00	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 14:00	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 14:00	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 14:00	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 14:00	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 14:00	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 14:00	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 14:00	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 14:00	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 14:00	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 14:00	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 14:00	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 14:00	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 14:00	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 14:00	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 14:00	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 14:00	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 14:00	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 14:00	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 14:00	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 14:00	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 14:00	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 14:00	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 14:00	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 14:00	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-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/6/2022 4:20:00 PM
Lab ID: 2206B25-001	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 14:00	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 14:00	OM
Surr: 4-Bromofluorobenzene	99.3	75-118		%REC	337894	1	06/10/2022 14:00	OM
Surr: Dibromofluoromethane	97.6	82.5-121		%REC	337894	1	06/10/2022 14:00	OM
Surr: Toluene-d8	98.9	78.3-118		%REC	337894	1	06/10/2022 14:00	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-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 9:40:00 AM
Lab ID: 2206B25-002	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:08	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:08	JM
Barium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:08	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:08	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:08	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:08	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:08	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:08	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:08	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:08	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:08	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:08	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:08	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:08	JM
Zinc	BRL	0.0200		mg/L	339318	1	07/08/2022 19:57	JM

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: 6/6/2022 2:50:00 PM
Lab ID: 2206B25-003	Matrix: Groundwater

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	337894	1	06/10/2022 14:22	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 14:22	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 14:22	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 14:22	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 14:22	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 14:22	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 14:22	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 14:22	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 14:22	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 14:22	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 14:22	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 14:22	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 14:22	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 14:22	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 14:22	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 14:22	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 14:22	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 14:22	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 14:22	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 14:22	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 14:22	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 14:22	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 14:22	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 14:22	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 14:22	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 14:22	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-22
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/6/2022 2:50:00 PM
Lab ID: 2206B25-003	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 14:22	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 14:22	OM
Surr: 4-Bromofluorobenzene	96.3	75-118		%REC	337894	1	06/10/2022 14:22	OM
Surr: Dibromofluoromethane	98.9	82.5-121		%REC	337894	1	06/10/2022 14:22	OM
Surr: Toluene-d8	99	78.3-118		%REC	337894	1	06/10/2022 14:22	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-22
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 9:15:00 AM
Lab ID: 2206B25-004	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:11	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:11	JM
Barium	0.0258	0.0200		mg/L	337743	1	06/14/2022 13:11	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:11	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:11	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:11	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:11	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:11	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:11	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:11	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:11	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:11	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:11	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:11	JM
Zinc	BRL	0.0200		mg/L	339318	1	07/08/2022 20:33	JM

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: 2206B25-005

Client Sample ID: GWC-23
Collection Date: 6/6/2022 12:00:00 PM
Matrix: Groundwater

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	337894	1	06/10/2022 14:43	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 14:43	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 14:43	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 14:43	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 14:43	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 14:43	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 14:43	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 14:43	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 14:43	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 14:43	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 14:43	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 14:43	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 14:43	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 14:43	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 14:43	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 14:43	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 14:43	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 14:43	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 14:43	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 14:43	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 14:43	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 14:43	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 14:43	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 14:43	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 14:43	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 14:43	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-23
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/6/2022 12:00:00 PM
Lab ID: 2206B25-005	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 14:43	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 14:43	OM
Surr: 4-Bromofluorobenzene	94.2	75-118		%REC	337894	1	06/10/2022 14:43	OM
Surr: Dibromofluoromethane	100	82.5-121		%REC	337894	1	06/10/2022 14:43	OM
Surr: Toluene-d8	98.3	78.3-118		%REC	337894	1	06/10/2022 14:43	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-23
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 8:55:00 AM
Lab ID: 2206B25-006	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:13	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:13	JM
Barium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:13	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:13	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:13	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:13	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:13	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:13	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:13	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:13	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:13	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:13	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:13	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:13	JM
Zinc	BRL	0.0200		mg/L	337743	1	06/14/2022 13:13	JM

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: 6/6/2022 1:00:00 PM
Lab ID: 2206B25-007	Matrix: Groundwater

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	337894	1	06/10/2022 15:06	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 15:06	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 15:06	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 15:06	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 15:06	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 15:06	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 15:06	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 15:06	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 15:06	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 15:06	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 15:06	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 15:06	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 15:06	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 15:06	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 15:06	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 15:06	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 15:06	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 15:06	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 15:06	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 15:06	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 15:06	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 15:06	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 15:06	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 15:06	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 15:06	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 15:06	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-23A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/6/2022 1:00:00 PM
Lab ID: 2206B25-007	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 15:06	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 15:06	OM
Surr: 4-Bromofluorobenzene	95.8	75-118		%REC	337894	1	06/10/2022 15:06	OM
Surr: Dibromofluoromethane	95.8	82.5-121		%REC	337894	1	06/10/2022 15:06	OM
Surr: Toluene-d8	99.1	78.3-118		%REC	337894	1	06/10/2022 15:06	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-23A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 9:00:00 AM
Lab ID: 2206B25-008	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:15	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:15	JM
Barium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:15	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:15	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:15	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:15	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:15	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:15	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:15	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:15	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:15	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:15	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:15	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:15	JM
Zinc	BRL	0.0200		mg/L	337743	1	06/14/2022 13:15	JM

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: 2206B25-009

Client Sample ID: AMW-4
Collection Date: 6/7/2022 11:15:00 AM
Matrix: Groundwater

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	337978	1	06/11/2022 18:03	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
1,1-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	337978	1	06/11/2022 18:03	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337978	1	06/11/2022 18:03	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
1,3-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
1,3-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
2,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
2-Butanone	BRL	100		ug/L	337978	1	06/11/2022 18:03	OM
2-Hexanone	BRL	50		ug/L	337978	1	06/11/2022 18:03	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337978	1	06/11/2022 18:03	OM
Acetone	BRL	100		ug/L	337978	1	06/11/2022 18:03	OM
Acetonitrile	BRL	200		ug/L	337978	1	06/15/2022 14:10	CM
Acrolein	BRL	50		ug/L	337978	1	06/11/2022 18:03	OM
Acrylonitrile	BRL	50		ug/L	337978	1	06/11/2022 18:03	OM
Allyl Chloride	BRL	100		ug/L	337978	1	06/15/2022 14:10	CM
Benzene	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
Bromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
Bromodichloromethane	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
Bromoform	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
Bromomethane	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
Carbon disulfide	BRL	5.0		ug/L	337978	1	06/11/2022 18:03	OM
Carbon tetrachloride	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
Chlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
Chloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
Chloroform	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
Chloromethane	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
Chloroprene	BRL	20		ug/L	337978	1	06/15/2022 14:10	CM
cis-1,2-Dichloroethene	22	2.0		ug/L	337978	1	06/11/2022 18:03	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
Dibromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
Dibromomethane	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
Dichlorodifluoromethane	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
Ethyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 14:10	CM
Ethylbenzene	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	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: 2206B25-009

Client Sample ID: AMW-4
 Collection Date: 6/7/2022 11:15:00 AM
 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D			(SW5030B)				
Iodomethane	BRL	100		ug/L	337978	1	06/11/2022 18:03	OM
Isobutyl Alcohol	BRL	200		ug/L	337978	1	06/15/2022 14:10	CM
Methyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 14:10	CM
Methylacrylonitrile	BRL	200		ug/L	337978	1	06/15/2022 14:10	CM
Methylene chloride	BRL	5.0		ug/L	337978	1	06/11/2022 18:03	OM
Naphthalene	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
Propionitrile	BRL	100		ug/L	337978	1	06/15/2022 14:10	CM
Styrene	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
Tetrachloroethene	4.3	2.0		ug/L	337978	1	06/11/2022 18:03	OM
Toluene	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337978	1	06/11/2022 18:03	OM
Trichloroethene	2.3	2.0		ug/L	337978	1	06/11/2022 18:03	OM
Trichlorofluoromethane	BRL	10		ug/L	337978	1	06/11/2022 18:03	OM
Vinyl acetate	BRL	100		ug/L	337978	1	06/11/2022 18:03	OM
Vinyl chloride	BRL	2.0		ug/L	337978	1	06/11/2022 18:03	OM
Xylenes, Total	BRL	5.0		ug/L	337978	1	06/11/2022 18:03	OM
Surr: 4-Bromofluorobenzene	94	75-118		%REC	337978	1	06/11/2022 18:03	OM
Surr: 4-Bromofluorobenzene	97.6	75-118		%REC	337978	1	06/15/2022 14:10	CM
Surr: Dibromofluoromethane	96.3	82.5-121		%REC	337978	1	06/11/2022 18:03	OM
Surr: Dibromofluoromethane	101	82.5-121		%REC	337978	1	06/15/2022 14:10	CM
Surr: Toluene-d8	97.9	78.3-118		%REC	337978	1	06/11/2022 18:03	OM
Surr: Toluene-d8	102	78.3-118		%REC	337978	1	06/15/2022 14:10	CM

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-5
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 11:35:00 AM
Lab ID: 2206B25-010	Matrix: Groundwater

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	337978	1	06/11/2022 18:28	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
1,1-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:28	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	337978	1	06/11/2022 18:28	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337978	1	06/11/2022 18:28	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:28	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
1,3-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:28	OM
1,3-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:28	OM
2,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
2-Butanone	BRL	100		ug/L	337978	1	06/11/2022 18:28	OM
2-Hexanone	BRL	50		ug/L	337978	1	06/11/2022 18:28	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337978	1	06/11/2022 18:28	OM
Acetone	BRL	100		ug/L	337978	1	06/11/2022 18:28	OM
Acetonitrile	BRL	200		ug/L	337978	1	06/15/2022 14:35	CM
Acrolein	BRL	50		ug/L	337978	1	06/11/2022 18:28	OM
Acrylonitrile	BRL	50		ug/L	337978	1	06/11/2022 18:28	OM
Allyl Chloride	BRL	100		ug/L	337978	1	06/15/2022 14:35	CM
Benzene	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
Bromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 18:28	OM
Bromodichloromethane	BRL	10		ug/L	337978	1	06/11/2022 18:28	OM
Bromoform	BRL	10		ug/L	337978	1	06/11/2022 18:28	OM
Bromomethane	BRL	10		ug/L	337978	1	06/11/2022 18:28	OM
Carbon disulfide	BRL	5.0		ug/L	337978	1	06/11/2022 18:28	OM
Carbon tetrachloride	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
Chlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:28	OM
Chloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
Chloroform	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
Chloromethane	BRL	10		ug/L	337978	1	06/11/2022 18:28	OM
Chloroprene	BRL	20		ug/L	337978	1	06/15/2022 14:35	CM
cis-1,2-Dichloroethene	2.2	2.0		ug/L	337978	1	06/11/2022 18:28	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	OM
Dibromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 18:28	OM
Dibromomethane	BRL	10		ug/L	337978	1	06/11/2022 18:28	OM
Dichlorodifluoromethane	BRL	10		ug/L	337978	1	06/11/2022 18:28	OM
Ethyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 14:35	CM
Ethylbenzene	BRL	2.0		ug/L	337978	1	06/11/2022 18:28	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: 2206B25-010

Client Sample ID: AMW-5
Collection Date: 6/7/2022 11:35:00 AM
Matrix: Groundwater

Table with columns: Analyses, Result, Reporting Limit, Qual, Units, BatchID, Dilution Factor, Date Analyzed, Analyst. Contains data for Volatile Organic Compounds by GC/MS, split into SW8260D and (SW5030B) sections.

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: 2206B25-011

Client Sample ID: AMW-14
Collection Date: 6/7/2022 12:15:00 PM
Matrix: Groundwater

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	337978	1	06/11/2022 18:54	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
1,1-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	337978	1	06/11/2022 18:54	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337978	1	06/11/2022 18:54	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
1,3-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
1,3-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
2,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
2-Butanone	BRL	100		ug/L	337978	1	06/11/2022 18:54	OM
2-Hexanone	BRL	50		ug/L	337978	1	06/11/2022 18:54	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337978	1	06/11/2022 18:54	OM
Acetone	BRL	100		ug/L	337978	1	06/11/2022 18:54	OM
Acetonitrile	BRL	200		ug/L	337978	1	06/15/2022 14:59	CM
Acrolein	BRL	50		ug/L	337978	1	06/11/2022 18:54	OM
Acrylonitrile	BRL	50		ug/L	337978	1	06/11/2022 18:54	OM
Allyl Chloride	BRL	100		ug/L	337978	1	06/15/2022 14:59	CM
Benzene	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
Bromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
Bromodichloromethane	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
Bromoform	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
Bromomethane	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
Carbon disulfide	BRL	5.0		ug/L	337978	1	06/11/2022 18:54	OM
Carbon tetrachloride	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
Chlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
Chloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
Chloroform	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
Chloromethane	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
Chloroprene	BRL	20		ug/L	337978	1	06/15/2022 14:59	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
Dibromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
Dibromomethane	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
Dichlorodifluoromethane	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
Ethyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 14:59	CM
Ethylbenzene	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	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: 2206B25-011

Client Sample ID: AMW-14
Collection Date: 6/7/2022 12:15:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS								
SW8260D								
(SW5030B)								
Iodomethane	BRL	100		ug/L	337978	1	06/11/2022 18:54	OM
Isobutyl Alcohol	BRL	200		ug/L	337978	1	06/15/2022 14:59	CM
Methyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 14:59	CM
Methylacrylonitrile	BRL	200		ug/L	337978	1	06/15/2022 14:59	CM
Methylene chloride	BRL	5.0		ug/L	337978	1	06/11/2022 18:54	OM
Naphthalene	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
Propionitrile	BRL	100		ug/L	337978	1	06/15/2022 14:59	CM
Styrene	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
Tetrachloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
Toluene	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337978	1	06/11/2022 18:54	OM
Trichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
Trichlorofluoromethane	BRL	10		ug/L	337978	1	06/11/2022 18:54	OM
Vinyl acetate	BRL	100		ug/L	337978	1	06/11/2022 18:54	OM
Vinyl chloride	BRL	2.0		ug/L	337978	1	06/11/2022 18:54	OM
Xylenes, Total	BRL	5.0		ug/L	337978	1	06/11/2022 18:54	OM
Surr: 4-Bromofluorobenzene	91.2	75-118		%REC	337978	1	06/11/2022 18:54	OM
Surr: 4-Bromofluorobenzene	96.2	75-118		%REC	337978	1	06/15/2022 14:59	CM
Surr: Dibromofluoromethane	97.5	82.5-121		%REC	337978	1	06/11/2022 18:54	OM
Surr: Dibromofluoromethane	100	82.5-121		%REC	337978	1	06/15/2022 14:59	CM
Surr: Toluene-d8	98.7	78.3-118		%REC	337978	1	06/11/2022 18:54	OM
Surr: Toluene-d8	101	78.3-118		%REC	337978	1	06/15/2022 14:59	CM

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: 2206B25-012

Client Sample ID: FIELD BLANK-2
Collection Date: 6/8/2022 10:30:00 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	337894	1	06/10/2022 15:28	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 15:28	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 15:28	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 15:28	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 15:28	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 15:28	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 15:28	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 15:28	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 15:28	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 15:28	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 15:28	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 15:28	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 15:28	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 15:28	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 15:28	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 15:28	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 15:28	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 15:28	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 15:28	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 15:28	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 15:28	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 15:28	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 15:28	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 15:28	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 15:28	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 15:28	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: FIELD BLANK-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 10:30:00 AM
Lab ID: 2206B25-012	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 15:28	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 15:28	OM
Surr: 4-Bromofluorobenzene	95.9	75-118		%REC	337894	1	06/10/2022 15:28	OM
Surr: Dibromofluoromethane	97.6	82.5-121		%REC	337894	1	06/10/2022 15:28	OM
Surr: Toluene-d8	97.9	78.3-118		%REC	337894	1	06/10/2022 15:28	OM
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 12:44	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 12:44	JM
Barium	BRL	0.0200		mg/L	337743	1	06/14/2022 12:44	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 12:44	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 12:44	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 12:44	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 12:44	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 12:44	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 12:44	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 12:44	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 12:44	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 12:44	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 12:44	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 12:44	JM
Zinc	BRL	0.0200		mg/L	337743	1	06/14/2022 12:44	JM

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: 2206B25-013

Client Sample ID: PH1-GWA-4
Collection Date: 6/7/2022 3:35:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Chloride	1.6	1.0		mg/L	R488474	1	06/11/2022 03:22	BI
APPENDIX I VOLATILE ORGANICS SW8260D								
					(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 15:50	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 15:50	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 15:50	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 15:50	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 15:50	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 15:50	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 15:50	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 15:50	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 15:50	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 15:50	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 15:50	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 15:50	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 15:50	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 15:50	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 15:50	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 15:50	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 15:50	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 15:50	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 15:50	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 15:50	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 15:50	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 15:50	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 15:50	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: 6/7/2022 3:35:00 PM
Lab ID: 2206B25-013	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 15:50	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 15:50	OM
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 15:50	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 15:50	OM
Surr: 4-Bromofluorobenzene	95.7	75-118		%REC	337894	1	06/10/2022 15:50	OM
Surr: Dibromofluoromethane	95.5	82.5-121		%REC	337894	1	06/10/2022 15:50	OM
Surr: Toluene-d8	98	78.3-118		%REC	337894	1	06/10/2022 15:50	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: 6/8/2022 9:45:00 AM
Lab ID: 2206B25-014	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Metals by ICP/MS	SW6020B				(SW3005A)			
Magnesium	0.907	0.100		mg/L	337743	1	06/14/2022 13:20	JM
Potassium	1.03	0.100		mg/L	337743	1	06/14/2022 13:20	JM
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:20	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:20	JM
Barium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:20	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:20	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:20	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:20	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:20	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:20	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:20	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:20	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:20	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:20	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:20	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:20	JM
Zinc	BRL	0.0200		mg/L	339318	1	07/08/2022 20:36	JM

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: 6/7/2022 1:15:00 PM
Lab ID: 2206B25-015	Matrix: Groundwater

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	337894	1	06/10/2022 16:13	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 16:13	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 16:13	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 16:13	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 16:13	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 16:13	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 16:13	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 16:13	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 16:13	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 16:13	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 16:13	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 16:13	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 16:13	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 16:13	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 16:13	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 16:13	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 16:13	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 16:13	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 16:13	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 16:13	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 16:13	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 16:13	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 16:13	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 16:13	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 16:13	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 16:13	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-GWB-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 1:15:00 PM
Lab ID: 2206B25-015	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 16:13	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 16:13	OM
Surr: 4-Bromofluorobenzene	95.8	75-118		%REC	337894	1	06/10/2022 16:13	OM
Surr: Dibromofluoromethane	96.2	82.5-121		%REC	337894	1	06/10/2022 16:13	OM
Surr: Toluene-d8	99.6	78.3-118		%REC	337894	1	06/10/2022 16:13	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-GWB-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 9:25:00 AM
Lab ID: 2206B25-016	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:23	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:23	JM
Barium	0.0537	0.0200		mg/L	337743	1	06/14/2022 13:23	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:23	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:23	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:23	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:23	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:23	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:23	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:23	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:23	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:23	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:23	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:23	JM
Zinc	BRL	0.0200		mg/L	337743	1	06/14/2022 13:23	JM

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: 6/6/2022 3:40:00 PM
Lab ID: 2206B25-017	Matrix: Groundwater

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	337894	1	06/10/2022 16:35	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 16:35	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 16:35	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 16:35	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 16:35	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 16:35	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 16:35	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 16:35	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 16:35	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 16:35	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 16:35	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 16:35	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 16:35	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 16:35	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 16:35	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 16:35	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 16:35	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 16:35	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 16:35	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 16:35	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 16:35	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 16:35	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 16:35	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 16:35	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 16:35	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 16:35	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-GWC-4
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/6/2022 3:40:00 PM
Lab ID: 2206B25-017	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 16:35	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 16:35	OM
Surr: 4-Bromofluorobenzene	95.7	75-118		%REC	337894	1	06/10/2022 16:35	OM
Surr: Dibromofluoromethane	98.1	82.5-121		%REC	337894	1	06/10/2022 16:35	OM
Surr: Toluene-d8	97.6	78.3-118		%REC	337894	1	06/10/2022 16:35	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-4
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 9:30:00 AM
Lab ID: 2206B25-018	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:25	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:25	JM
Barium	0.0266	0.0200		mg/L	337743	1	06/14/2022 13:25	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:25	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:25	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:25	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:25	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:25	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:25	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:25	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:25	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:25	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:25	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:25	JM
Zinc	0.0307	0.0200		mg/L	337743	1	06/14/2022 13:25	JM

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-3A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/6/2022 4:00:00 PM
Lab ID: 2206B25-019	Matrix: Groundwater

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	337894	1	06/10/2022 16:56	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 16:56	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 16:56	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 16:56	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 16:56	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 16:56	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 16:56	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 16:56	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 16:56	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 16:56	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 16:56	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 16:56	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 16:56	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 16:56	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 16:56	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 16:56	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 16:56	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 16:56	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 16:56	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 16:56	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 16:56	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 16:56	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 16:56	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 16:56	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 16:56	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 16:56	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-GWA-3A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/6/2022 4:00:00 PM
Lab ID: 2206B25-019	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 16:56	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 16:56	OM
Surr: 4-Bromofluorobenzene	95.2	75-118		%REC	337894	1	06/10/2022 16:56	OM
Surr: Dibromofluoromethane	100	82.5-121		%REC	337894	1	06/10/2022 16:56	OM
Surr: Toluene-d8	99.2	78.3-118		%REC	337894	1	06/10/2022 16:56	OM
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:27	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:27	JM
Barium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:27	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:27	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:27	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:27	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:27	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:27	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:27	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:27	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:27	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:27	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:27	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:27	JM
Zinc	BRL	0.0200		mg/L	337743	1	06/14/2022 13:27	JM

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: 6/6/2022 1:55:00 PM
Lab ID: 2206B25-020	Matrix: Groundwater

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	337894	1	06/10/2022 17:18	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 17:18	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 17:18	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 17:18	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 17:18	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 17:18	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 17:18	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 17:18	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 17:18	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 17:18	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 17:18	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 17:18	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 17:18	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 17:18	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 17:18	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 17:18	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 17:18	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 17:18	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 17:18	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 17:18	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 17:18	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 17:18	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 17:18	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 17:18	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 17:18	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 17:18	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: SWC-4B
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/6/2022 1:55:00 PM
Lab ID: 2206B25-020	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 17:18	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 17:18	OM
Surr: 4-Bromofluorobenzene	96	75-118		%REC	337894	1	06/10/2022 17:18	OM
Surr: Dibromofluoromethane	97	82.5-121		%REC	337894	1	06/10/2022 17:18	OM
Surr: Toluene-d8	98.3	78.3-118		%REC	337894	1	06/10/2022 17:18	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-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 11:20:00 AM
Lab ID: 2206B25-021	Matrix: Groundwater

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	337894	1	06/10/2022 17:40	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 17:40	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 17:40	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 17:40	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 17:40	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 17:40	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 17:40	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 17:40	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 17:40	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 17:40	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 17:40	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 17:40	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 17:40	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 17:40	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 17:40	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 17:40	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 17:40	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 17:40	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 17:40	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 17:40	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 17:40	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 17:40	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 17:40	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 17:40	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 17:40	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 17:40	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: 6/7/2022 11:20:00 AM
Lab ID: 2206B25-021	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 17:40	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 17:40	OM
Surr: 4-Bromofluorobenzene	96	75-118		%REC	337894	1	06/10/2022 17:40	OM
Surr: Dibromofluoromethane	97.6	82.5-121		%REC	337894	1	06/10/2022 17:40	OM
Surr: Toluene-d8	99	78.3-118		%REC	337894	1	06/10/2022 17:40	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: 2206B25-022

Client Sample ID: GWC-2
Collection Date: 6/7/2022 11:50:00 AM
Matrix: Groundwater

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	337894	1	06/10/2022 18:02	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 18:02	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 18:02	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 18:02	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 18:02	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 18:02	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 18:02	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 18:02	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 18:02	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 18:02	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 18:02	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 18:02	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 18:02	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 18:02	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 18:02	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 18:02	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 18:02	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 18:02	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 18:02	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 18:02	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 18:02	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 18:02	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 18:02	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 18:02	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 18:02	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 18:02	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-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 11:50:00 AM
Lab ID: 2206B25-022	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 18:02	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 18:02	OM
Surr: 4-Bromofluorobenzene	94.3	75-118		%REC	337894	1	06/10/2022 18:02	OM
Surr: Dibromofluoromethane	101	82.5-121		%REC	337894	1	06/10/2022 18:02	OM
Surr: Toluene-d8	99.4	78.3-118		%REC	337894	1	06/10/2022 18:02	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: 2206B25-023

Client Sample ID: GWC-3
Collection Date: 6/7/2022 12:15:00 PM
Matrix: Groundwater

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	337894	1	06/10/2022 18:24	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 18:24	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 18:24	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 18:24	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 18:24	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 18:24	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 18:24	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 18:24	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 18:24	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 18:24	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 18:24	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 18:24	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 18:24	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 18:24	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 18:24	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 18:24	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 18:24	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 18:24	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 18:24	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 18:24	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 18:24	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 18:24	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 18:24	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 18:24	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 18:24	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 18:24	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: GWC-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 12:15:00 PM
Lab ID: 2206B25-023	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 18:24	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 18:24	OM
Surr: 4-Bromofluorobenzene	95.6	75-118		%REC	337894	1	06/10/2022 18:24	OM
Surr: Dibromofluoromethane	96.5	82.5-121		%REC	337894	1	06/10/2022 18:24	OM
Surr: Toluene-d8	98.7	78.3-118		%REC	337894	1	06/10/2022 18:24	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-024

Client Sample ID: GWC-3A
Collection Date: 6/7/2022 12:30:00 PM
Matrix: Groundwater

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	337894	1	06/10/2022 18:46	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 18:46	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 18:46	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 18:46	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 18:46	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 18:46	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 18:46	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 18:46	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 18:46	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 18:46	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 18:46	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 18:46	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 18:46	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 18:46	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 18:46	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 18:46	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 18:46	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 18:46	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 18:46	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 18:46	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 18:46	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 18:46	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 18:46	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 18:46	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 18:46	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 18:46	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-3A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 12:30:00 PM
Lab ID: 2206B25-024	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 18:46	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 18:46	OM
Surr: 4-Bromofluorobenzene	93.5	75-118		%REC	337894	1	06/10/2022 18:46	OM
Surr: Dibromofluoromethane	102	82.5-121		%REC	337894	1	06/10/2022 18:46	OM
Surr: Toluene-d8	99.5	78.3-118		%REC	337894	1	06/10/2022 18:46	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: 2206B25-025

Client Sample ID: GWC-9
Collection Date: 6/7/2022 1:30:00 PM
Matrix: Groundwater

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	337894	1	06/10/2022 19:08	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 19:08	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 19:08	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 19:08	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 19:08	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 19:08	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 19:08	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 19:08	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 19:08	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 19:08	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 19:08	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 19:08	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 19:08	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 19:08	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 19:08	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 19:08	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 19:08	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 19:08	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 19:08	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 19:08	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 19:08	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 19:08	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 19:08	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 19:08	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 19:08	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 19:08	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-9
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 1:30:00 PM
Lab ID: 2206B25-025	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 19:08	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 19:08	OM
Surr: 4-Bromofluorobenzene	94.4	75-118		%REC	337894	1	06/10/2022 19:08	OM
Surr: Dibromofluoromethane	98.1	82.5-121		%REC	337894	1	06/10/2022 19:08	OM
Surr: Toluene-d8	100	78.3-118		%REC	337894	1	06/10/2022 19:08	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: 2206B25-026

Client Sample ID: GWC-10A
Collection Date: 6/7/2022 2:05:00 PM
Matrix: Groundwater

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	337894	1	06/10/2022 19:30	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 19:30	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 19:30	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 19:30	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 19:30	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 19:30	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 19:30	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 19:30	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 19:30	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 19:30	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 19:30	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 19:30	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 19:30	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 19:30	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 19:30	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 19:30	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 19:30	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 19:30	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 19:30	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 19:30	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 19:30	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 19:30	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 19:30	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 19:30	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 19:30	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 19:30	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-10A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 2:05:00 PM
Lab ID: 2206B25-026	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 19:30	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 19:30	OM
Surr: 4-Bromofluorobenzene	94.3	75-118		%REC	337894	1	06/10/2022 19:30	OM
Surr: Dibromofluoromethane	95.6	82.5-121		%REC	337894	1	06/10/2022 19:30	OM
Surr: Toluene-d8	99.4	78.3-118		%REC	337894	1	06/10/2022 19:30	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: 2206B25-027

Client Sample ID: GWC-10
Collection Date: 6/7/2022 2:10:00 PM
Matrix: Groundwater

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	337894	1	06/10/2022 19:51	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 19:51	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 19:51	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 19:51	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 19:51	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 19:51	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 19:51	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 19:51	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 19:51	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 19:51	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 19:51	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 19:51	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 19:51	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 19:51	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 19:51	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 19:51	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 19:51	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 19:51	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 19:51	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 19:51	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 19:51	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 19:51	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 19:51	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 19:51	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 19:51	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 19:51	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-10
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 2:10:00 PM
Lab ID: 2206B25-027	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 19:51	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 19:51	OM
Surr: 4-Bromofluorobenzene	94.9	75-118		%REC	337894	1	06/10/2022 19:51	OM
Surr: Dibromofluoromethane	99.9	82.5-121		%REC	337894	1	06/10/2022 19:51	OM
Surr: Toluene-d8	99.1	78.3-118		%REC	337894	1	06/10/2022 19:51	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: 2206B25-028

Client Sample ID: GWC-12
Collection Date: 6/7/2022 2:50:00 PM
Matrix: Groundwater

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	337894	1	06/10/2022 20:13	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 20:13	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 20:13	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 20:13	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 20:13	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 20:13	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 20:13	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 20:13	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 20:13	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 20:13	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 20:13	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 20:13	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 20:13	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 20:13	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 20:13	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 20:13	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 20:13	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 20:13	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 20:13	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 20:13	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 20:13	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 20:13	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 20:13	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 20:13	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 20:13	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 20:13	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-12
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 2:50:00 PM
Lab ID: 2206B25-028	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 20:13	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 20:13	OM
Surr: 4-Bromofluorobenzene	93.5	75-118		%REC	337894	1	06/10/2022 20:13	OM
Surr: Dibromofluoromethane	95.5	82.5-121		%REC	337894	1	06/10/2022 20:13	OM
Surr: Toluene-d8	101	78.3-118		%REC	337894	1	06/10/2022 20:13	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: 2206B25-029

Client Sample ID: GWC-12A
Collection Date: 6/7/2022 2:55:00 PM
Matrix: Groundwater

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	337894	1	06/10/2022 20:36	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 20:36	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 20:36	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 20:36	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 20:36	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 20:36	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 20:36	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 20:36	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 20:36	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 20:36	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 20:36	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 20:36	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 20:36	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 20:36	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 20:36	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 20:36	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 20:36	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 20:36	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 20:36	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 20:36	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 20:36	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 20:36	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 20:36	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 20:36	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 20:36	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 20:36	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-12A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 2:55:00 PM
Lab ID: 2206B25-029	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 20:36	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 20:36	OM
Surr: 4-Bromofluorobenzene	93.4	75-118		%REC	337894	1	06/10/2022 20:36	OM
Surr: Dibromofluoromethane	95.4	82.5-121		%REC	337894	1	06/10/2022 20:36	OM
Surr: Toluene-d8	100	78.3-118		%REC	337894	1	06/10/2022 20:36	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: 2206B25-030

Client Sample ID: GWC-11
Collection Date: 6/7/2022 3:20:00 PM
Matrix: Groundwater

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	337894	1	06/10/2022 20:58	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
1,2,3-Trichloropropane	BRL	10		ug/L	337894	1	06/10/2022 20:58	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	337894	1	06/10/2022 20:58	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337894	1	06/10/2022 20:58	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 20:58	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 20:58	OM
2-Butanone	BRL	100		ug/L	337894	1	06/10/2022 20:58	OM
2-Hexanone	BRL	50		ug/L	337894	1	06/10/2022 20:58	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337894	1	06/10/2022 20:58	OM
Acetone	BRL	100		ug/L	337894	1	06/10/2022 20:58	OM
Acrylonitrile	BRL	50		ug/L	337894	1	06/10/2022 20:58	OM
Benzene	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
Bromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 20:58	OM
Bromodichloromethane	BRL	10		ug/L	337894	1	06/10/2022 20:58	OM
Bromoform	BRL	10		ug/L	337894	1	06/10/2022 20:58	OM
Bromomethane	BRL	10		ug/L	337894	1	06/10/2022 20:58	OM
Carbon disulfide	BRL	5.0		ug/L	337894	1	06/10/2022 20:58	OM
Carbon tetrachloride	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
Chlorobenzene	BRL	10		ug/L	337894	1	06/10/2022 20:58	OM
Chloroethane	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
Chloroform	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
Chloromethane	BRL	10		ug/L	337894	1	06/10/2022 20:58	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
Dibromochloromethane	BRL	10		ug/L	337894	1	06/10/2022 20:58	OM
Dibromomethane	BRL	10		ug/L	337894	1	06/10/2022 20:58	OM
Ethylbenzene	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
Iodomethane	BRL	100		ug/L	337894	1	06/10/2022 20:58	OM
Methylene chloride	BRL	5.0		ug/L	337894	1	06/10/2022 20:58	OM
Styrene	BRL	10		ug/L	337894	1	06/10/2022 20:58	OM
Tetrachloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
Toluene	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337894	1	06/10/2022 20:58	OM
Trichloroethene	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
Trichlorofluoromethane	BRL	10		ug/L	337894	1	06/10/2022 20:58	OM
Vinyl acetate	BRL	100		ug/L	337894	1	06/10/2022 20:58	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-11
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 3:20:00 PM
Lab ID: 2206B25-030	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	337894	1	06/10/2022 20:58	OM
Xylenes, Total	BRL	5.0		ug/L	337894	1	06/10/2022 20:58	OM
Surr: 4-Bromofluorobenzene	92	75-118		%REC	337894	1	06/10/2022 20:58	OM
Surr: Dibromofluoromethane	94.9	82.5-121		%REC	337894	1	06/10/2022 20:58	OM
Surr: Toluene-d8	95	78.3-118		%REC	337894	1	06/10/2022 20:58	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: AMW-13
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 3:45:00 PM
Lab ID: 2206B25-031	Matrix: Groundwater

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	337978	1	06/11/2022 19:19	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
1,1-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	337978	1	06/11/2022 19:19	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337978	1	06/11/2022 19:19	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
1,3-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
1,3-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
2,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
2-Butanone	BRL	100		ug/L	337978	1	06/11/2022 19:19	OM
2-Hexanone	BRL	50		ug/L	337978	1	06/11/2022 19:19	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337978	1	06/11/2022 19:19	OM
Acetone	BRL	100		ug/L	337978	1	06/11/2022 19:19	OM
Acetonitrile	BRL	200		ug/L	337978	1	06/15/2022 15:24	CM
Acrolein	BRL	50		ug/L	337978	1	06/11/2022 19:19	OM
Acrylonitrile	BRL	50		ug/L	337978	1	06/11/2022 19:19	OM
Allyl Chloride	BRL	100		ug/L	337978	1	06/15/2022 15:24	CM
Benzene	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
Bromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
Bromodichloromethane	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
Bromoform	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
Bromomethane	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
Carbon disulfide	BRL	5.0		ug/L	337978	1	06/11/2022 19:19	OM
Carbon tetrachloride	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
Chlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
Chloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
Chloroform	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
Chloromethane	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
Chloroprene	BRL	20		ug/L	337978	1	06/15/2022 15:24	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
Dibromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
Dibromomethane	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
Dichlorodifluoromethane	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
Ethyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 15:24	CM
Ethylbenzene	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	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: 2206B25-031

Client Sample ID: AMW-13
Collection Date: 6/7/2022 3:45:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D							
					(SW5030B)			
Iodomethane	BRL	100		ug/L	337978	1	06/11/2022 19:19	OM
Isobutyl Alcohol	BRL	200		ug/L	337978	1	06/15/2022 15:24	CM
Methyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 15:24	CM
Methylacrylonitrile	BRL	200		ug/L	337978	1	06/15/2022 15:24	CM
Methylene chloride	BRL	5.0		ug/L	337978	1	06/11/2022 19:19	OM
Naphthalene	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
Propionitrile	BRL	100		ug/L	337978	1	06/15/2022 15:24	CM
Styrene	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
Tetrachloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
Toluene	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337978	1	06/11/2022 19:19	OM
Trichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
Trichlorofluoromethane	BRL	10		ug/L	337978	1	06/11/2022 19:19	OM
Vinyl acetate	BRL	100		ug/L	337978	1	06/11/2022 19:19	OM
Vinyl chloride	BRL	2.0		ug/L	337978	1	06/11/2022 19:19	OM
Xylenes, Total	BRL	5.0		ug/L	337978	1	06/11/2022 19:19	OM
Surr: 4-Bromofluorobenzene	92.4	75-118		%REC	337978	1	06/11/2022 19:19	OM
Surr: 4-Bromofluorobenzene	96.4	75-118		%REC	337978	1	06/15/2022 15:24	CM
Surr: Dibromofluoromethane	99	82.5-121		%REC	337978	1	06/11/2022 19:19	OM
Surr: Dibromofluoromethane	99.3	82.5-121		%REC	337978	1	06/15/2022 15:24	CM
Surr: Toluene-d8	98.4	78.3-118		%REC	337978	1	06/11/2022 19:19	OM
Surr: Toluene-d8	102	78.3-118		%REC	337978	1	06/15/2022 15:24	CM

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-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 9:25:00 AM
Lab ID: 2206B25-032	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:42	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:42	JM
Barium	0.0791	0.0200		mg/L	337743	1	06/14/2022 13:42	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:42	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:42	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:42	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:42	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:42	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:42	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:42	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:42	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:42	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:42	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:42	JM
Zinc	BRL	0.0200		mg/L	337743	1	06/14/2022 13:42	JM

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-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 9:35:00 AM
Lab ID: 2206B25-033	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:44	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:44	JM
Barium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:44	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:44	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:44	JM
Chromium	0.0185	0.0100		mg/L	337743	1	06/14/2022 13:44	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:44	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:44	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:44	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:44	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:44	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:44	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:44	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:44	JM
Zinc	BRL	0.0200		mg/L	337743	1	06/14/2022 13:44	JM

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: 6/8/2022 9:40:00 AM
Lab ID: 2206B25-034	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:47	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:47	JM
Barium	0.0323	0.0200		mg/L	337743	1	06/14/2022 13:47	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:47	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:47	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:47	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:47	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:47	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:47	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:47	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:47	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:47	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:47	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:47	JM
Zinc	BRL	0.0200		mg/L	339318	1	07/08/2022 20:40	JM

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: 6/8/2022 9:45:00 AM
Lab ID: 2206B25-035	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:49	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:49	JM
Barium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:49	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:49	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:49	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:49	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:49	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:49	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:49	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:49	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:49	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:49	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:49	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:49	JM
Zinc	0.0251	0.0200		mg/L	339318	1	07/08/2022 20:44	JM

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-9
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 9:55:00 AM
Lab ID: 2206B25-036	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:51	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:51	JM
Barium	0.0557	0.0200		mg/L	337743	1	06/14/2022 13:51	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:51	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:51	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:51	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:51	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:51	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:51	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:51	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:51	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:51	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:51	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:51	JM
Zinc	0.0687	0.0200		mg/L	337743	1	06/14/2022 13:51	JM

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-10A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 10:05:00 AM
Lab ID: 2206B25-037	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:54	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:54	JM
Barium	0.0318	0.0200		mg/L	337743	1	06/14/2022 13:54	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:54	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:54	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:54	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:54	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:54	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:54	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:54	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:54	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:54	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:54	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:54	JM
Zinc	BRL	0.0200		mg/L	337743	1	06/14/2022 13:54	JM

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: 6/8/2022 10:10:00 AM
Lab ID: 2206B25-038	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:56	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:56	JM
Barium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:56	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:56	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:56	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:56	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:56	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:56	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:56	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:56	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:56	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:56	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:56	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:56	JM
Zinc	BRL	0.0200		mg/L	339318	1	07/08/2022 20:47	JM

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: 6/8/2022 10:15:00 AM
Lab ID: 2206B25-039	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 13:59	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 13:59	JM
Barium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:59	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 13:59	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 13:59	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:59	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 13:59	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 13:59	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 13:59	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 13:59	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 13:59	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 13:59	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 13:59	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 13:59	JM
Zinc	BRL	0.0200		mg/L	339318	1	07/08/2022 20:51	JM

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: 6/8/2022 10:20:00 AM
Lab ID: 2206B25-040	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 14:01	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 14:01	JM
Barium	BRL	0.0200		mg/L	337743	1	06/14/2022 14:01	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 14:01	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 14:01	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 14:01	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 14:01	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 14:01	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 14:01	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 14:01	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 14:01	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 14:01	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 14:01	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 14:01	JM
Zinc	BRL	0.0200		mg/L	337743	1	06/14/2022 14:01	JM

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: 6/8/2022 10:25:00 AM
Lab ID: 2206B25-041	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337743	1	06/14/2022 14:03	JM
Arsenic	BRL	0.0100		mg/L	337743	1	06/14/2022 14:03	JM
Barium	BRL	0.0200		mg/L	337743	1	06/14/2022 14:03	JM
Beryllium	BRL	0.00300		mg/L	337743	1	06/14/2022 14:03	JM
Cadmium	BRL	0.00500		mg/L	337743	1	06/14/2022 14:03	JM
Chromium	BRL	0.0100		mg/L	337743	1	06/14/2022 14:03	JM
Cobalt	BRL	0.0400		mg/L	337743	1	06/14/2022 14:03	JM
Copper	BRL	0.0200		mg/L	337743	1	06/14/2022 14:03	JM
Lead	BRL	0.0150		mg/L	337743	1	06/14/2022 14:03	JM
Nickel	BRL	0.0200		mg/L	337743	1	06/14/2022 14:03	JM
Selenium	BRL	0.0100		mg/L	337743	1	06/14/2022 14:03	JM
Silver	BRL	0.0100		mg/L	337743	1	06/14/2022 14:03	JM
Thallium	BRL	0.00200		mg/L	337743	1	06/14/2022 14:03	JM
Vanadium	BRL	0.0200		mg/L	337743	1	06/14/2022 14:03	JM
Zinc	BRL	0.0200		mg/L	339318	1	07/08/2022 20:54	JM

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-13
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 10:40:00 AM
Lab ID: 2206B25-042	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337813	1	06/13/2022 23:41	JM
Arsenic	BRL	0.0100		mg/L	337813	1	06/13/2022 23:41	JM
Barium	BRL	0.0200		mg/L	337813	1	06/13/2022 23:41	JM
Beryllium	BRL	0.00300		mg/L	337813	1	06/13/2022 23:41	JM
Cadmium	BRL	0.00500		mg/L	337813	1	06/13/2022 23:41	JM
Chromium	BRL	0.0100		mg/L	337813	1	06/13/2022 23:41	JM
Cobalt	BRL	0.0400		mg/L	337813	1	06/13/2022 23:41	JM
Copper	BRL	0.0200		mg/L	337813	1	06/13/2022 23:41	JM
Lead	BRL	0.0150		mg/L	337813	1	06/13/2022 23:41	JM
Nickel	BRL	0.0200		mg/L	337813	1	06/13/2022 23:41	JM
Selenium	BRL	0.0100		mg/L	337813	1	06/13/2022 23:41	JM
Silver	BRL	0.0100		mg/L	337813	1	06/13/2022 23:41	JM
Thallium	BRL	0.00200		mg/L	337813	1	06/13/2022 23:41	JM
Vanadium	BRL	0.0200		mg/L	337813	1	06/13/2022 23:41	JM
Zinc	BRL	0.0200		mg/L	337813	1	06/13/2022 23:41	JM

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: 2206B25-043

Client Sample ID: TRIP BLANK
Collection Date: 6/8/2022
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	337978	1	06/13/2022 21:02	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
1,1-Dichloropropene	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	337978	1	06/13/2022 21:02	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337978	1	06/13/2022 21:02	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
1,3-Dichlorobenzene	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
1,3-Dichloropropane	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
2,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
2-Butanone	BRL	100		ug/L	337978	1	06/13/2022 21:02	OM
2-Hexanone	BRL	50		ug/L	337978	1	06/13/2022 21:02	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337978	1	06/13/2022 21:02	OM
Acetone	BRL	100		ug/L	337978	1	06/13/2022 21:02	OM
Acetonitrile	BRL	200		ug/L	337978	1	06/10/2022 20:01	OM
Acrolein	BRL	50		ug/L	337978	1	06/13/2022 21:02	OM
Acrylonitrile	BRL	50		ug/L	337978	1	06/13/2022 21:02	OM
Allyl Chloride	BRL	100		ug/L	337978	1	06/10/2022 20:01	OM
Benzene	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
Bromochloromethane	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
Bromodichloromethane	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
Bromoform	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
Bromomethane	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
Carbon disulfide	BRL	5.0		ug/L	337978	1	06/13/2022 21:02	OM
Carbon tetrachloride	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
Chlorobenzene	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
Chloroethane	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
Chloroform	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
Chloromethane	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
Chloroprene	BRL	20		ug/L	337978	1	06/10/2022 20:01	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
Dibromochloromethane	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
Dibromomethane	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
Dichlorodifluoromethane	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
Ethyl Methacrylate	BRL	10		ug/L	337978	1	06/10/2022 20:01	OM
Ethylbenzene	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	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: TRIP BLANK
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022
Lab ID: 2206B25-043	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D							
					(SW5030B)			
Iodomethane	BRL	100		ug/L	337978	1	06/13/2022 21:02	OM
Isobutyl Alcohol	BRL	200		ug/L	337978	1	06/10/2022 20:01	OM
Methyl Methacrylate	BRL	10		ug/L	337978	1	06/10/2022 20:01	OM
Methylacrylonitrile	BRL	200		ug/L	337978	1	06/10/2022 20:01	OM
Methylene chloride	BRL	5.0		ug/L	337978	1	06/13/2022 21:02	OM
Naphthalene	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
Propionitrile	BRL	100		ug/L	337978	1	06/10/2022 20:01	OM
Styrene	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
Tetrachloroethene	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
Toluene	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337978	1	06/13/2022 21:02	OM
Trichloroethene	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
Trichlorofluoromethane	BRL	10		ug/L	337978	1	06/13/2022 21:02	OM
Vinyl acetate	BRL	100		ug/L	337978	1	06/13/2022 21:02	OM
Vinyl chloride	BRL	2.0		ug/L	337978	1	06/13/2022 21:02	OM
Xylenes, Total	BRL	5.0		ug/L	337978	1	06/13/2022 21:02	OM
Surr: 4-Bromofluorobenzene	93.8	75-118		%REC	337978	1	06/10/2022 20:01	OM
Surr: 4-Bromofluorobenzene	96.1	75-118		%REC	337978	1	06/13/2022 21:02	OM
Surr: Dibromofluoromethane	94.1	82.5-121		%REC	337978	1	06/13/2022 21:02	OM
Surr: Dibromofluoromethane	95.2	82.5-121		%REC	337978	1	06/10/2022 20:01	OM
Surr: Toluene-d8	97.7	78.3-118		%REC	337978	1	06/13/2022 21:02	OM
Surr: Toluene-d8	110	78.3-118		%REC	337978	1	06/10/2022 20:01	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:	PH1-GWC-3
Project Name:	Forsyth County-Hightower Road MSWLF	Collection Date:	6/7/2022 9:40:00 AM
Lab ID:	2206B25-044	Matrix:	Groundwater

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	337978	1	06/11/2022 19:44	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
1,1-Dichloroethane	3.2	2.0		ug/L	337978	1	06/11/2022 19:44	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
1,1-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
1,3-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
1,3-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
2,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
2-Butanone	BRL	100		ug/L	337978	1	06/11/2022 19:44	OM
2-Hexanone	BRL	50		ug/L	337978	1	06/11/2022 19:44	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337978	1	06/11/2022 19:44	OM
Acetone	BRL	100		ug/L	337978	1	06/11/2022 19:44	OM
Acetonitrile	BRL	200		ug/L	337978	1	06/15/2022 15:48	CM
Acrolein	BRL	50		ug/L	337978	1	06/11/2022 19:44	OM
Acrylonitrile	BRL	50		ug/L	337978	1	06/11/2022 19:44	OM
Allyl Chloride	BRL	100		ug/L	337978	1	06/15/2022 15:48	CM
Benzene	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
Bromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
Bromodichloromethane	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
Bromoform	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
Bromomethane	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
Carbon disulfide	BRL	5.0		ug/L	337978	1	06/11/2022 19:44	OM
Carbon tetrachloride	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
Chlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
Chloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
Chloroform	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
Chloromethane	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
Chloroprene	BRL	20		ug/L	337978	1	06/15/2022 15:48	CM
cis-1,2-Dichloroethene	26	2.0		ug/L	337978	1	06/11/2022 19:44	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
Dibromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
Dibromomethane	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
Dichlorodifluoromethane	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
Ethyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 15:48	CM
Ethylbenzene	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
Iodomethane	BRL	100		ug/L	337978	1	06/11/2022 19:44	OM
Isobutyl Alcohol	BRL	200		ug/L	337978	1	06/15/2022 15:48	CM

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: 2206B25-044

Client Sample ID: PH1-GWC-3
Collection Date: 6/7/2022 9:40:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Methyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 15:48	CM
Methylacrylonitrile	BRL	200		ug/L	337978	1	06/15/2022 15:48	CM
Methylene chloride	BRL	5.0		ug/L	337978	1	06/11/2022 19:44	OM
Naphthalene	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
Propionitrile	BRL	100		ug/L	337978	1	06/15/2022 15:48	CM
Styrene	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
Tetrachloroethene	8.3	2.0		ug/L	337978	1	06/11/2022 19:44	OM
Toluene	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337978	1	06/11/2022 19:44	OM
Trichloroethene	7.2	2.0		ug/L	337978	1	06/11/2022 19:44	OM
Trichlorofluoromethane	BRL	10		ug/L	337978	1	06/11/2022 19:44	OM
Vinyl acetate	BRL	100		ug/L	337978	1	06/11/2022 19:44	OM
Vinyl chloride	BRL	2.0		ug/L	337978	1	06/11/2022 19:44	OM
Xylenes, Total	BRL	5.0		ug/L	337978	1	06/11/2022 19:44	OM
Surr: 4-Bromofluorobenzene	96	75-118		%REC	337978	1	06/15/2022 15:48	CM
Surr: 4-Bromofluorobenzene	91.8	75-118		%REC	337978	1	06/11/2022 19:44	OM
Surr: Dibromofluoromethane	96.2	82.5-121		%REC	337978	1	06/11/2022 19:44	OM
Surr: Dibromofluoromethane	102	82.5-121		%REC	337978	1	06/15/2022 15:48	CM
Surr: Toluene-d8	98.4	78.3-118		%REC	337978	1	06/11/2022 19:44	OM
Surr: Toluene-d8	102	78.3-118		%REC	337978	1	06/15/2022 15:48	CM
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	337876	1	06/13/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	1.8		ug/L	337560	1	06/10/2022 18:22	YH
1,3,5-Trinitrobenzene	BRL	0.75		ug/L	337560	1	06/10/2022 18:22	YH
1,3,5-Trinitrobenzene	BRL	0.75		ug/L	337560	1	06/13/2022 15:25	YH
1,3-Dinitrobenzene	BRL	3.7		ug/L	337560	1	06/10/2022 18:22	YH
1,3-Dinitrobenzene	BRL	3.7		ug/L	337560	1	06/13/2022 15:25	YH
1,4-Napthoquinone	BRL	3.6		ug/L	337560	1	06/10/2022 18:22	YH
1,4-Napthoquinone	BRL	3.6		ug/L	337560	1	06/13/2022 15:25	YH
1-Naphthylamine	BRL	2.6		ug/L	337560	1	06/10/2022 18:22	YH
2,3,4,6-Tetrachlorophenol	BRL	2.0		ug/L	337560	1	06/10/2022 18:22	YH
2,4,5-Trichlorophenol	BRL	2.0		ug/L	337560	1	06/10/2022 18:22	YH
2,4,6-Trichlorophenol	BRL	1.7		ug/L	337560	1	06/10/2022 18:22	YH
2,4-Dichlorophenol	BRL	1.8		ug/L	337560	1	06/10/2022 18:22	YH
2,4-Dimethylphenol	BRL	1.9		ug/L	337560	1	06/10/2022 18:22	YH
2,4-Dinitrophenol	BRL	4.4		ug/L	337560	1	06/10/2022 18:22	YH
2,4-Dinitrotoluene	BRL	3.0		ug/L	337560	1	06/10/2022 18:22	YH
2,6-Dichlorophenol	BRL	2.9		ug/L	337560	1	06/10/2022 18:22	YH
2,6-Dinitrotoluene	BRL	2.6		ug/L	337560	1	06/10/2022 18:22	YH
2-Acetylaminofluorene	BRL	5.6		ug/L	337560	1	06/10/2022 18:22	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-044

Client Sample ID: PH1-GWC-3
Collection Date: 6/7/2022 9:40:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Acetylaminofluorene	BRL	5.6		ug/L	337560	1	06/13/2022 15:25	YH
2-Chloronaphthalene	BRL	1.5		ug/L	337560	1	06/10/2022 18:22	YH
2-Chlorophenol	BRL	1.0		ug/L	337560	1	06/10/2022 18:22	YH
2-Methylnaphthalene	BRL	1.5		ug/L	337560	1	06/10/2022 18:22	YH
2-Methylphenol	BRL	1.5		ug/L	337560	1	06/10/2022 18:22	YH
2-Naphthylamine	BRL	2.2		ug/L	337560	1	06/10/2022 18:22	YH
2-Nitroaniline	BRL	1.8		ug/L	337560	1	06/10/2022 18:22	YH
2-Nitrophenol	BRL	1.2		ug/L	337560	1	06/10/2022 18:22	YH
3,3'-Dichlorobenzidine	BRL	1.9		ug/L	337560	1	06/10/2022 18:22	YH
3,3'-Dimethoxybenzidine	BRL	5.0	N	ug/L	337560	1	06/10/2022 18:22	YH
3,3'-Dimethylbenzidine	BRL	4.7		ug/L	337560	1	06/10/2022 18:22	YH
3,3'-Dimethylbenzidine	BRL	4.7		ug/L	337560	1	06/13/2022 15:25	YH
3,4-Methylphenol	BRL	1.7		ug/L	337560	1	06/10/2022 18:22	YH
3-Methylcholanthrene	BRL	4.0		ug/L	337560	1	06/10/2022 18:22	YH
3-Nitroaniline	BRL	2.2		ug/L	337560	1	06/10/2022 18:22	YH
4,6-Dinitro-2-methylphenol	BRL	7.1		ug/L	337560	1	06/10/2022 18:22	YH
4-Aminobiphenyl	BRL	2.4		ug/L	337560	1	06/10/2022 18:22	YH
4-Bromophenyl phenyl ether	BRL	2.0		ug/L	337560	1	06/10/2022 18:22	YH
4-Chloro-3-methylphenol	BRL	2.0		ug/L	337560	1	06/10/2022 18:22	YH
4-Chloroaniline	BRL	2.4		ug/L	337560	1	06/10/2022 18:22	YH
4-Chlorophenyl phenyl ether	BRL	1.5		ug/L	337560	1	06/10/2022 18:22	YH
4-Nitroaniline	BRL	2.6		ug/L	337560	1	06/10/2022 18:22	YH
4-Nitrophenol	BRL	2.9		ug/L	337560	1	06/10/2022 18:22	YH
4-Nitroquinoline,1-oxide	BRL	3.2		ug/L	337560	1	06/13/2022 15:25	YH
5-Nitro-o-toluidine	BRL	2.5		ug/L	337560	1	06/10/2022 18:22	YH
5-Nitro-o-toluidine	BRL	2.5		ug/L	337560	1	06/13/2022 15:25	YH
7,12-Dimethylbenz(a)anthracene	BRL	3.5		ug/L	337560	1	06/10/2022 18:22	YH
7,12-Dimethylbenz(a)anthracene	BRL	3.5		ug/L	337560	1	06/13/2022 15:25	YH
Acenaphthene	BRL	1.3		ug/L	337560	1	06/10/2022 18:22	YH
Acenaphthylene	BRL	1.3		ug/L	337560	1	06/10/2022 18:22	YH
Acetophenone	BRL	2.0		ug/L	337560	1	06/10/2022 18:22	YH
Anthracene	BRL	1.5		ug/L	337560	1	06/10/2022 18:22	YH
Aramite	BRL	1.8		ug/L	337560	1	06/13/2022 15:25	YH
Benz(a)anthracene	BRL	1.4		ug/L	337560	1	06/10/2022 18:22	YH
Benzo(b)fluoranthene	BRL	1.9		ug/L	337560	1	06/10/2022 18:22	YH
Benzo(g,h,i)perylene	BRL	2.1		ug/L	337560	1	06/10/2022 18:22	YH
Benzo(k)fluoranthene	BRL	1.8		ug/L	337560	1	06/10/2022 18:22	YH
Benzyl alcohol	BRL	1.9		ug/L	337560	1	06/10/2022 18:22	YH
Bis(2-chloroethoxy)methane	BRL	1.3		ug/L	337560	1	06/10/2022 18:22	YH
Bis(2-chloroethyl)ether	BRL	1.2		ug/L	337560	1	06/10/2022 18:22	YH
Bis(2-chloroisopropyl)ether	BRL	1.5		ug/L	337560	1	06/10/2022 18:22	YH
Bis(2-ethylhexyl)phthalate	BRL	2.2		ug/L	337560	1	06/10/2022 18:22	YH
Butyl benzyl phthalate	BRL	1.7		ug/L	337560	1	06/10/2022 18:22	YH
Chlorobenzilate	BRL	2.9		ug/L	337560	1	06/10/2022 18:22	YH
Chlorobenzilate	BRL	2.9		ug/L	337560	1	06/13/2022 15:25	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-044

Client Sample ID: PH1-GWC-3
Collection Date: 6/7/2022 9:40:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Chrysene	BRL	1.4		ug/L	337560	1	06/10/2022 18:22	YH
Di-n-butyl phthalate	BRL	1.6		ug/L	337560	1	06/10/2022 18:22	YH
Di-n-octyl phthalate	BRL	4.7		ug/L	337560	1	06/10/2022 18:22	YH
Diallate	BRL	2.6		ug/L	337560	1	06/10/2022 18:22	YH
Diallate	BRL	2.6		ug/L	337560	1	06/13/2022 15:25	YH
Dibenz(a,h)anthracene	BRL	2.2		ug/L	337560	1	06/10/2022 18:22	YH
Dibenzofuran	BRL	1.4		ug/L	337560	1	06/10/2022 18:22	YH
Diethyl phthalate	BRL	1.6		ug/L	337560	1	06/10/2022 18:22	YH
Dimethoate	BRL	2.9		ug/L	337560	1	06/10/2022 18:22	YH
Dimethoate	BRL	2.9		ug/L	337560	1	06/13/2022 15:25	YH
Dimethyl phthalate	BRL	1.4		ug/L	337560	1	06/10/2022 18:22	YH
Dimethylaminoazobenzene	BRL	1.7	N	ug/L	337560	1	06/10/2022 18:22	YH
Disulfoton	BRL	2.8		ug/L	337560	1	06/10/2022 18:22	YH
Disulfoton	BRL	2.8		ug/L	337560	1	06/13/2022 15:25	YH
Ethyl methanesulfonate	BRL	2.2		ug/L	337560	1	06/10/2022 18:22	YH
Famphur	BRL	1.7		ug/L	337560	1	06/13/2022 15:25	YH
Famphur	BRL	1.7		ug/L	337560	1	06/10/2022 18:22	YH
Fluoranthene	BRL	1.5		ug/L	337560	1	06/10/2022 18:22	YH
Fluorene	BRL	1.4		ug/L	337560	1	06/10/2022 18:22	YH
Hexachlorobutadiene	BRL	2.1		ug/L	337560	1	06/10/2022 18:22	YH
Hexachlorocyclopentadiene	BRL	4.2		ug/L	337560	1	06/10/2022 18:22	YH
Hexachloroethane	BRL	1.5		ug/L	337560	1	06/10/2022 18:22	YH
Hexachloropropene	BRL	3.7		ug/L	337560	1	06/10/2022 18:22	YH
Hexachloropropene	BRL	3.7		ug/L	337560	1	06/13/2022 15:25	YH
Indeno(1,2,3-cd)pyrene	BRL	2.1		ug/L	337560	1	06/10/2022 18:22	YH
Isodrin	BRL	2.7		ug/L	337560	1	06/10/2022 18:22	YH
Isodrin	BRL	2.7		ug/L	337560	1	06/13/2022 15:25	YH
Isophorone	BRL	1.7		ug/L	337560	1	06/10/2022 18:22	YH
Isosafrole	BRL	3.3		ug/L	337560	1	06/10/2022 18:22	YH
Isosafrole	BRL	3.3		ug/L	337560	1	06/13/2022 15:25	YH
Kepone	BRL	2.7		ug/L	337560	1	06/10/2022 18:22	YH
Kepone	BRL	2.7		ug/L	337560	1	06/13/2022 15:25	YH
Methapyrilene	BRL	4.0		ug/L	337560	1	06/10/2022 18:22	YH
Methapyrilene	BRL	4.0		ug/L	337560	1	06/13/2022 15:25	YH
Methyl methanesulfonate	BRL	2.8		ug/L	337560	1	06/10/2022 18:22	YH
Methyl parathion	BRL	2.2		ug/L	337560	1	06/10/2022 18:22	YH
Methyl parathion	BRL	2.2		ug/L	337560	1	06/13/2022 15:25	YH
N-Nitrosodi-n-butylamine	BRL	1.8		ug/L	337560	1	06/10/2022 18:22	YH
N-Nitrosodi-n-propylamine	BRL	1.2		ug/L	337560	1	06/10/2022 18:22	YH
N-Nitrosodiethylamine	BRL	1.4		ug/L	337560	1	06/10/2022 18:22	YH
N-Nitrosodiethylamine	BRL	1.4		ug/L	337560	1	06/13/2022 15:25	YH
N-Nitrosodimethylamine	BRL	2.0		ug/L	337560	1	06/10/2022 18:22	YH
N-Nitrosodiphenylamine	BRL	1.2		ug/L	337560	1	06/10/2022 18:22	YH
N-Nitrosomethylethylamine	BRL	0.74		ug/L	337560	1	06/10/2022 18:22	YH
N-Nitrosomethylethylamine	BRL	0.74		ug/L	337560	1	06/13/2022 15:25	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: PH1-GWC-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 9:40:00 AM
Lab ID: 2206B25-044	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
N-Nitrosomorpholine	BRL	1.3		ug/L	337560	1	06/13/2022 15:25	YH
N-Nitrosopiperidine	BRL	1.2		ug/L	337560	1	06/10/2022 18:22	YH
N-Nitrosopyrrolidine	BRL	1.5		ug/L	337560	1	06/10/2022 18:22	YH
N-Nitrosopyrrolidine	BRL	1.5		ug/L	337560	1	06/13/2022 15:25	YH
Nitrobenzene	BRL	1.2		ug/L	337560	1	06/10/2022 18:22	YH
O,O,O-Triethyl phosphorothioate	BRL	1.6		ug/L	337560	1	06/10/2022 18:22	YH
O,O,O-Triethyl phosphorothioate	BRL	1.6		ug/L	337560	1	06/13/2022 15:25	YH
o-Toluidine	BRL	3.7		ug/L	337560	1	06/10/2022 18:22	YH
o-Toluidine	BRL	3.7		ug/L	337560	1	06/13/2022 15:25	YH
p-Phenylenediamine	BRL	2.8		ug/L	337560	1	06/10/2022 18:22	YH
p-Phenylenediamine	BRL	2.8		ug/L	337560	1	06/13/2022 15:25	YH
Parathion	BRL	2.2		ug/L	337560	1	06/10/2022 18:22	YH
Parathion	BRL	2.2		ug/L	337560	1	06/13/2022 15:25	YH
Pentachlorobenzene	BRL	1.9		ug/L	337560	1	06/10/2022 18:22	YH
Pentachloronitrobenzene	BRL	2.8		ug/L	337560	1	06/10/2022 18:22	YH
Phenacetin	BRL	3.0		ug/L	337560	1	06/10/2022 18:22	YH
Phenanthrene	BRL	1.4		ug/L	337560	1	06/10/2022 18:22	YH
Phenol	BRL	1.4		ug/L	337560	1	06/10/2022 18:22	YH
Phorate	BRL	1.8		ug/L	337560	1	06/10/2022 18:22	YH
Phorate	BRL	1.8		ug/L	337560	1	06/13/2022 15:25	YH
Pronamide	BRL	3.5		ug/L	337560	1	06/10/2022 18:22	YH
Pyrene	BRL	1.4		ug/L	337560	1	06/10/2022 18:22	YH
Safrole	BRL	3.6		ug/L	337560	1	06/10/2022 18:22	YH
Safrole	BRL	3.6		ug/L	337560	1	06/13/2022 15:25	YH
Sym-Trinitrobenzene	BRL	3.2		ug/L	337560	1	06/13/2022 15:25	YH
Tetraethyl dithiopyrophosphate	BRL	1.9		ug/L	337560	1	06/13/2022 15:25	YH
Thionazin	BRL	2.1		ug/L	337560	1	06/10/2022 18:22	YH
Thionazin	BRL	2.1		ug/L	337560	1	06/13/2022 15:25	YH
Surr: 2,4,6-Tribromophenol	66.6	46-135		%REC	337560	1	06/10/2022 18:22	YH
Surr: 2-Fluorobiphenyl	96.9	45-121		%REC	337560	1	06/10/2022 18:22	YH
Surr: 2-Fluorophenol	32.7	28.2-120		%REC	337560	1	06/10/2022 18:22	YH
Surr: 4-Terphenyl-d14	99.7	44-120		%REC	337560	1	06/10/2022 18:22	YH
Surr: Nitrobenzene-d5	93.1	41-123		%REC	337560	1	06/10/2022 18:22	YH
Surr: Phenol-d5	21.8	19.5-120		%REC	337560	1	06/10/2022 18:22	YH
POLYCHLORINATED BIPHENYLS SW8082A		(SW3510C)						
Aroclor 1016	BRL	2.0		ug/L	337562	4	06/14/2022 18:47	ST
Aroclor 1221	BRL	2.0		ug/L	337562	4	06/14/2022 18:47	ST
Aroclor 1232	BRL	2.0		ug/L	337562	4	06/14/2022 18:47	ST
Aroclor 1242	BRL	2.0		ug/L	337562	4	06/14/2022 18:47	ST
Aroclor 1248	BRL	2.0		ug/L	337562	4	06/14/2022 18:47	ST
Aroclor 1254	BRL	2.0		ug/L	337562	4	06/14/2022 18:47	ST
Aroclor 1260	BRL	2.0		ug/L	337562	4	06/14/2022 18:47	ST
Surr: Decachlorobiphenyl	68.2	30-120		%REC	337562	1	06/13/2022 19:07	ST
Surr: Tetrachloro-m-xylene	72.1	46.5-120		%REC	337562	1	06/13/2022 19:07	ST

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: 6/7/2022 9:40:00 AM
Lab ID: 2206B25-044	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				(SW8011)				
1,2-Dibromo-3-chloropropane	BRL	0.040		ug/L	337863	1	06/13/2022 16:33	UH
1,2-Dibromoethane	BRL	0.020		ug/L	337863	1	06/13/2022 16:33	UH
Surr: 4-Bromofluorobenzene	110	69.7-138		%REC	337863	1	06/13/2022 16:33	UH
Cyanide SW9014				(SW9010C)				
Cyanide, Total	BRL	0.010		mg/L	337889	1	06/14/2022 11:51	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B				(SW3510C)				
4,4'-DDD	BRL	0.10		ug/L	337561	1	06/13/2022 19:07	ST
4,4'-DDE	BRL	0.10		ug/L	337561	1	06/13/2022 19:07	ST
4,4'-DDT	BRL	0.10		ug/L	337561	1	06/14/2022 23:42	ST
Aldrin	BRL	0.050		ug/L	337561	1	06/13/2022 19:07	ST
alpha-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 19:07	ST
beta-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 19:07	ST
Chlordane	BRL	2.0		ug/L	337561	4	06/14/2022 18:47	ST
delta-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 19:07	ST
Dieldrin	BRL	0.10		ug/L	337561	1	06/13/2022 19:07	ST
Endosulfan I	BRL	0.050		ug/L	337561	1	06/13/2022 19:07	ST
Endosulfan II	BRL	0.10		ug/L	337561	1	06/13/2022 19:07	ST
Endosulfan sulfate	BRL	0.10		ug/L	337561	1	06/13/2022 19:07	ST
Endrin	BRL	0.10		ug/L	337561	1	06/13/2022 19:07	ST
Endrin aldehyde	BRL	0.10		ug/L	337561	1	06/13/2022 19:07	ST
gamma-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 19:07	ST
Heptachlor	BRL	0.050		ug/L	337561	1	06/14/2022 23:42	ST
Heptachlor epoxide	BRL	0.050		ug/L	337561	1	06/13/2022 19:07	ST
Methoxychlor	BRL	0.50		ug/L	337561	1	06/14/2022 23:42	ST
Toxaphene	BRL	12		ug/L	337561	4	06/14/2022 18:47	ST
Surr: Decachlorobiphenyl	54.7	27-130		%REC	337561	1	06/13/2022 19:07	ST
Surr: Tetrachloro-m-xylene	95.4	40.1-130		%REC	337561	1	06/13/2022 19:07	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	337798	1	06/14/2022 13:18	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	337798	1	06/14/2022 13:18	UH
2,4-D	BRL	2.0		ug/L	337798	1	06/14/2022 13:18	UH
Dinoseb	BRL	5.0		ug/L	337798	1	06/14/2022 13:18	UH
Pentachlorophenol	BRL	1.0		ug/L	337798	1	06/14/2022 13:18	UH
Surr: DCAA	71.9	47-120		%REC	337798	1	06/14/2022 13:18	UH

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

Analytical Environmental Services, Inc.

Date: 13-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-044

Client Sample ID: PH1-GWC-3
Collection Date: 6/7/2022 9:40:00 AM
Matrix: GROUNDWATER

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/29/2022 9:54 AM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/29/2022 9:54 AM
Surr: 4-Terphenyl-d14	120	65.5-137		%REC	338060	1	6/29/2022 9:54 AM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-3A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 10:25:00 AM
Lab ID: 2206B25-045	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Methyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 16:13	CM
Methylacrylonitrile	BRL	200		ug/L	337978	1	06/15/2022 16:13	CM
Methylene chloride	BRL	5.0		ug/L	337978	1	06/11/2022 20:09	OM
Naphthalene	BRL	10		ug/L	337978	1	06/11/2022 20:09	OM
Propionitrile	BRL	100		ug/L	337978	1	06/15/2022 16:13	CM
Styrene	BRL	10		ug/L	337978	1	06/11/2022 20:09	OM
Tetrachloroethene	8.6	2.0		ug/L	337978	1	06/11/2022 20:09	OM
Toluene	BRL	2.0		ug/L	337978	1	06/11/2022 20:09	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 20:09	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 20:09	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337978	1	06/11/2022 20:09	OM
Trichloroethene	6.8	2.0		ug/L	337978	1	06/11/2022 20:09	OM
Trichlorofluoromethane	BRL	10		ug/L	337978	1	06/11/2022 20:09	OM
Vinyl acetate	BRL	100		ug/L	337978	1	06/11/2022 20:09	OM
Vinyl chloride	BRL	2.0		ug/L	337978	1	06/11/2022 20:09	OM
Xylenes, Total	BRL	5.0		ug/L	337978	1	06/11/2022 20:09	OM
Surr: 4-Bromofluorobenzene	92.2	75-118		%REC	337978	1	06/11/2022 20:09	OM
Surr: 4-Bromofluorobenzene	97.5	75-118		%REC	337978	1	06/15/2022 16:13	CM
Surr: Dibromofluoromethane	97.6	82.5-121		%REC	337978	1	06/11/2022 20:09	OM
Surr: Dibromofluoromethane	101	82.5-121		%REC	337978	1	06/15/2022 16:13	CM
Surr: Toluene-d8	101	78.3-118		%REC	337978	1	06/11/2022 20:09	OM
Surr: Toluene-d8	102	78.3-118		%REC	337978	1	06/15/2022 16:13	CM
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	337876	1	06/13/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	1.8		ug/L	337560	1	06/10/2022 18:47	YH
1,3,5-Trinitrobenzene	BRL	0.75		ug/L	337560	1	06/10/2022 18:47	YH
1,3,5-Trinitrobenzene	BRL	0.75		ug/L	337560	1	06/13/2022 15:55	YH
1,3-Dinitrobenzene	BRL	3.7		ug/L	337560	1	06/10/2022 18:47	YH
1,3-Dinitrobenzene	BRL	3.7		ug/L	337560	1	06/13/2022 15:55	YH
1,4-Napthoquinone	BRL	3.6		ug/L	337560	1	06/10/2022 18:47	YH
1,4-Napthoquinone	BRL	3.6		ug/L	337560	1	06/13/2022 15:55	YH
1-Naphthylamine	BRL	2.6		ug/L	337560	1	06/10/2022 18:47	YH
2,3,4,6-Tetrachlorophenol	BRL	2.0		ug/L	337560	1	06/10/2022 18:47	YH
2,4,5-Trichlorophenol	BRL	2.0		ug/L	337560	1	06/10/2022 18:47	YH
2,4,6-Trichlorophenol	BRL	1.7		ug/L	337560	1	06/10/2022 18:47	YH
2,4-Dichlorophenol	BRL	1.8		ug/L	337560	1	06/10/2022 18:47	YH
2,4-Dimethylphenol	BRL	1.9		ug/L	337560	1	06/10/2022 18:47	YH
2,4-Dinitrophenol	BRL	4.4		ug/L	337560	1	06/10/2022 18:47	YH
2,4-Dinitrotoluene	BRL	3.0		ug/L	337560	1	06/10/2022 18:47	YH
2,6-Dichlorophenol	BRL	2.9		ug/L	337560	1	06/10/2022 18:47	YH
2,6-Dinitrotoluene	BRL	2.6		ug/L	337560	1	06/10/2022 18:47	YH
2-Acetylaminofluorene	BRL	5.6		ug/L	337560	1	06/10/2022 18:47	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: PH1-GWC-3A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 10:25:00 AM
Lab ID: 2206B25-045	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Acetylaminofluorene	BRL	5.6		ug/L	337560	1	06/13/2022 15:55	YH
2-Chloronaphthalene	BRL	1.5		ug/L	337560	1	06/10/2022 18:47	YH
2-Chlorophenol	BRL	1.0		ug/L	337560	1	06/10/2022 18:47	YH
2-Methylnaphthalene	BRL	1.5		ug/L	337560	1	06/10/2022 18:47	YH
2-Methylphenol	BRL	1.5		ug/L	337560	1	06/10/2022 18:47	YH
2-Naphthylamine	BRL	2.2		ug/L	337560	1	06/10/2022 18:47	YH
2-Nitroaniline	BRL	1.8		ug/L	337560	1	06/10/2022 18:47	YH
2-Nitrophenol	BRL	1.2		ug/L	337560	1	06/10/2022 18:47	YH
3,3'-Dichlorobenzidine	BRL	1.9		ug/L	337560	1	06/10/2022 18:47	YH
3,3'-Dimethoxybenzidine	BRL	5.0	N	ug/L	337560	1	06/10/2022 18:47	YH
3,3'-Dimethylbenzidine	BRL	4.7		ug/L	337560	1	06/10/2022 18:47	YH
3,3'-Dimethylbenzidine	BRL	4.7		ug/L	337560	1	06/13/2022 15:55	YH
3,4-Methylphenol	BRL	1.7		ug/L	337560	1	06/10/2022 18:47	YH
3-Methylcholanthrene	BRL	4.0		ug/L	337560	1	06/10/2022 18:47	YH
3-Nitroaniline	BRL	2.2		ug/L	337560	1	06/10/2022 18:47	YH
4,6-Dinitro-2-methylphenol	BRL	7.1		ug/L	337560	1	06/10/2022 18:47	YH
4-Aminobiphenyl	BRL	2.4		ug/L	337560	1	06/10/2022 18:47	YH
4-Bromophenyl phenyl ether	BRL	2.0		ug/L	337560	1	06/10/2022 18:47	YH
4-Chloro-3-methylphenol	BRL	2.0		ug/L	337560	1	06/10/2022 18:47	YH
4-Chloroaniline	BRL	2.4		ug/L	337560	1	06/10/2022 18:47	YH
4-Chlorophenyl phenyl ether	BRL	1.5		ug/L	337560	1	06/10/2022 18:47	YH
4-Nitroaniline	BRL	2.6		ug/L	337560	1	06/10/2022 18:47	YH
4-Nitrophenol	BRL	2.9		ug/L	337560	1	06/10/2022 18:47	YH
4-Nitroquinoline,1-oxide	BRL	3.2		ug/L	337560	1	06/13/2022 15:55	YH
5-Nitro-o-toluidine	BRL	2.5		ug/L	337560	1	06/10/2022 18:47	YH
5-Nitro-o-toluidine	BRL	2.5		ug/L	337560	1	06/13/2022 15:55	YH
7,12-Dimethylbenz(a)anthracene	BRL	3.5		ug/L	337560	1	06/10/2022 18:47	YH
7,12-Dimethylbenz(a)anthracene	BRL	3.5		ug/L	337560	1	06/13/2022 15:55	YH
Acenaphthene	BRL	1.3		ug/L	337560	1	06/10/2022 18:47	YH
Acenaphthylene	BRL	1.3		ug/L	337560	1	06/10/2022 18:47	YH
Acetophenone	BRL	2.0		ug/L	337560	1	06/10/2022 18:47	YH
Anthracene	BRL	1.5		ug/L	337560	1	06/10/2022 18:47	YH
Aramite	BRL	1.8		ug/L	337560	1	06/13/2022 15:55	YH
Benz(a)anthracene	BRL	1.4		ug/L	337560	1	06/10/2022 18:47	YH
Benzo(b)fluoranthene	BRL	1.9		ug/L	337560	1	06/10/2022 18:47	YH
Benzo(g,h,i)perylene	BRL	2.1		ug/L	337560	1	06/10/2022 18:47	YH
Benzo(k)fluoranthene	BRL	1.8		ug/L	337560	1	06/10/2022 18:47	YH
Benzyl alcohol	BRL	1.9		ug/L	337560	1	06/10/2022 18:47	YH
Bis(2-chloroethoxy)methane	BRL	1.3		ug/L	337560	1	06/10/2022 18:47	YH
Bis(2-chloroethyl)ether	BRL	1.2		ug/L	337560	1	06/10/2022 18:47	YH
Bis(2-chloroisopropyl)ether	BRL	1.5		ug/L	337560	1	06/10/2022 18:47	YH
Bis(2-ethylhexyl)phthalate	BRL	2.2		ug/L	337560	1	06/10/2022 18:47	YH
Butyl benzyl phthalate	BRL	1.7		ug/L	337560	1	06/10/2022 18:47	YH
Chlorobenzilate	BRL	2.9		ug/L	337560	1	06/10/2022 18:47	YH
Chlorobenzilate	BRL	2.9		ug/L	337560	1	06/13/2022 15:55	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: 2206B25-045

Client Sample ID: PH1-GWC-3A
Collection Date: 6/7/2022 10:25:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Chrysene	BRL	1.4		ug/L	337560	1	06/10/2022 18:47	YH
Di-n-butyl phthalate	BRL	1.6		ug/L	337560	1	06/10/2022 18:47	YH
Di-n-octyl phthalate	BRL	4.7		ug/L	337560	1	06/10/2022 18:47	YH
Diallate	BRL	2.6		ug/L	337560	1	06/10/2022 18:47	YH
Diallate	BRL	2.6		ug/L	337560	1	06/13/2022 15:55	YH
Dibenz(a,h)anthracene	BRL	2.2		ug/L	337560	1	06/10/2022 18:47	YH
Dibenzofuran	BRL	1.4		ug/L	337560	1	06/10/2022 18:47	YH
Diethyl phthalate	BRL	1.6		ug/L	337560	1	06/10/2022 18:47	YH
Dimethoate	BRL	2.9		ug/L	337560	1	06/10/2022 18:47	YH
Dimethoate	BRL	2.9		ug/L	337560	1	06/13/2022 15:55	YH
Dimethyl phthalate	BRL	1.4		ug/L	337560	1	06/10/2022 18:47	YH
Dimethylaminoazobenzene	BRL	1.7	N	ug/L	337560	1	06/10/2022 18:47	YH
Disulfoton	BRL	2.8		ug/L	337560	1	06/10/2022 18:47	YH
Disulfoton	BRL	2.8		ug/L	337560	1	06/13/2022 15:55	YH
Ethyl methanesulfonate	BRL	2.2		ug/L	337560	1	06/10/2022 18:47	YH
Famphur	BRL	1.7		ug/L	337560	1	06/10/2022 18:47	YH
Famphur	BRL	1.7		ug/L	337560	1	06/13/2022 15:55	YH
Fluoranthene	BRL	1.5		ug/L	337560	1	06/10/2022 18:47	YH
Fluorene	BRL	1.4		ug/L	337560	1	06/10/2022 18:47	YH
Hexachlorobutadiene	BRL	2.1		ug/L	337560	1	06/10/2022 18:47	YH
Hexachlorocyclopentadiene	BRL	4.2		ug/L	337560	1	06/10/2022 18:47	YH
Hexachloroethane	BRL	1.5		ug/L	337560	1	06/10/2022 18:47	YH
Hexachloropropene	BRL	3.7		ug/L	337560	1	06/10/2022 18:47	YH
Hexachloropropene	BRL	3.7		ug/L	337560	1	06/13/2022 15:55	YH
Indeno(1,2,3-cd)pyrene	BRL	2.1		ug/L	337560	1	06/10/2022 18:47	YH
Isodrin	BRL	2.7		ug/L	337560	1	06/10/2022 18:47	YH
Isodrin	BRL	2.7		ug/L	337560	1	06/13/2022 15:55	YH
Isophorone	BRL	1.7		ug/L	337560	1	06/10/2022 18:47	YH
Isosafrole	BRL	3.3		ug/L	337560	1	06/10/2022 18:47	YH
Isosafrole	BRL	3.3		ug/L	337560	1	06/13/2022 15:55	YH
Kepone	BRL	2.7		ug/L	337560	1	06/10/2022 18:47	YH
Kepone	BRL	2.7		ug/L	337560	1	06/13/2022 15:55	YH
Methapyrilene	BRL	4.0		ug/L	337560	1	06/10/2022 18:47	YH
Methapyrilene	BRL	4.0		ug/L	337560	1	06/13/2022 15:55	YH
Methyl methanesulfonate	BRL	2.8		ug/L	337560	1	06/10/2022 18:47	YH
Methyl parathion	BRL	2.2		ug/L	337560	1	06/10/2022 18:47	YH
Methyl parathion	BRL	2.2		ug/L	337560	1	06/13/2022 15:55	YH
N-Nitrosodi-n-butylamine	BRL	1.8		ug/L	337560	1	06/10/2022 18:47	YH
N-Nitrosodi-n-propylamine	BRL	1.2		ug/L	337560	1	06/10/2022 18:47	YH
N-Nitrosodiethylamine	BRL	1.4		ug/L	337560	1	06/10/2022 18:47	YH
N-Nitrosodiethylamine	BRL	1.4		ug/L	337560	1	06/13/2022 15:55	YH
N-Nitrosodimethylamine	BRL	2.0		ug/L	337560	1	06/10/2022 18:47	YH
N-Nitrosodiphenylamine	BRL	1.2		ug/L	337560	1	06/10/2022 18:47	YH
N-Nitrosomethylethylamine	BRL	0.74		ug/L	337560	1	06/10/2022 18:47	YH
N-Nitrosomethylethylamine	BRL	0.74		ug/L	337560	1	06/13/2022 15:55	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: PH1-GWC-3A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 10:25:00 AM
Lab ID: 2206B25-045	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
N-Nitrosomorpholine	BRL	1.3		ug/L	337560	1	06/13/2022 15:55	YH
N-Nitrosopiperidine	BRL	1.2		ug/L	337560	1	06/10/2022 18:47	YH
N-Nitrosopyrrolidine	BRL	1.5		ug/L	337560	1	06/10/2022 18:47	YH
N-Nitrosopyrrolidine	BRL	1.5		ug/L	337560	1	06/13/2022 15:55	YH
Nitrobenzene	BRL	1.2		ug/L	337560	1	06/10/2022 18:47	YH
O,O,O-Triethyl phosphorothioate	BRL	1.6		ug/L	337560	1	06/10/2022 18:47	YH
O,O,O-Triethyl phosphorothioate	BRL	1.6		ug/L	337560	1	06/13/2022 15:55	YH
o-Toluidine	BRL	3.7		ug/L	337560	1	06/10/2022 18:47	YH
o-Toluidine	BRL	3.7		ug/L	337560	1	06/13/2022 15:55	YH
p-Phenylenediamine	BRL	2.8		ug/L	337560	1	06/10/2022 18:47	YH
p-Phenylenediamine	BRL	2.8		ug/L	337560	1	06/13/2022 15:55	YH
Parathion	BRL	2.2		ug/L	337560	1	06/10/2022 18:47	YH
Parathion	BRL	2.2		ug/L	337560	1	06/13/2022 15:55	YH
Pentachlorobenzene	BRL	1.9		ug/L	337560	1	06/10/2022 18:47	YH
Pentachloronitrobenzene	BRL	2.8		ug/L	337560	1	06/10/2022 18:47	YH
Phenacetin	BRL	3.0		ug/L	337560	1	06/10/2022 18:47	YH
Phenanthrene	BRL	1.4		ug/L	337560	1	06/10/2022 18:47	YH
Phenol	BRL	1.4		ug/L	337560	1	06/10/2022 18:47	YH
Phorate	BRL	1.8		ug/L	337560	1	06/10/2022 18:47	YH
Phorate	BRL	1.8		ug/L	337560	1	06/13/2022 15:55	YH
Pronamide	BRL	3.5		ug/L	337560	1	06/10/2022 18:47	YH
Pyrene	BRL	1.4		ug/L	337560	1	06/10/2022 18:47	YH
Safrole	BRL	3.6		ug/L	337560	1	06/10/2022 18:47	YH
Safrole	BRL	3.6		ug/L	337560	1	06/13/2022 15:55	YH
Sym-Trinitrobenzene	BRL	3.2		ug/L	337560	1	06/13/2022 15:55	YH
Tetraethyl dithiopyrophosphate	BRL	1.9		ug/L	337560	1	06/13/2022 15:55	YH
Thionazin	BRL	2.1		ug/L	337560	1	06/10/2022 18:47	YH
Thionazin	BRL	2.1		ug/L	337560	1	06/13/2022 15:55	YH
Surr: 2,4,6-Tribromophenol	43	46-135	S	%REC	337560	1	06/10/2022 18:47	YH
Surr: 2-Fluorobiphenyl	51.2	45-121		%REC	337560	1	06/10/2022 18:47	YH
Surr: 2-Fluorophenol	21.9	28.2-120	S	%REC	337560	1	06/10/2022 18:47	YH
Surr: 4-Terphenyl-d14	54.1	44-120		%REC	337560	1	06/10/2022 18:47	YH
Surr: Nitrobenzene-d5	53.1	41-123		%REC	337560	1	06/10/2022 18:47	YH
Surr: Phenol-d5	13.2	19.5-120	S	%REC	337560	1	06/10/2022 18:47	YH
POLYCHLORINATED BIPHENYLS SW8082A		(SW3510C)						
Aroclor 1016	BRL	0.50		ug/L	337562	1	06/13/2022 19:19	ST
Aroclor 1221	BRL	0.50		ug/L	337562	1	06/13/2022 19:19	ST
Aroclor 1232	BRL	0.50		ug/L	337562	1	06/13/2022 19:19	ST
Aroclor 1242	BRL	0.50		ug/L	337562	1	06/13/2022 19:19	ST
Aroclor 1248	BRL	0.50		ug/L	337562	1	06/13/2022 19:19	ST
Aroclor 1254	BRL	0.50		ug/L	337562	1	06/13/2022 19:19	ST
Aroclor 1260	BRL	0.50		ug/L	337562	1	06/13/2022 19:19	ST
Surr: Decachlorobiphenyl	69.4	30-120		%REC	337562	1	06/13/2022 19:19	ST
Surr: Tetrachloro-m-xylene	68.6	46.5-120		%REC	337562	1	06/13/2022 19:19	ST

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: 6/7/2022 10:25:00 AM
Lab ID: 2206B25-045	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				(SW8011)				
1,2-Dibromo-3-chloropropane	BRL	0.040		ug/L	337863	1	06/13/2022 16:50	UH
1,2-Dibromoethane	BRL	0.020		ug/L	337863	1	06/13/2022 16:50	UH
Surr: 4-Bromofluorobenzene	113	69.7-138		%REC	337863	1	06/13/2022 16:50	UH
Cyanide SW9014				(SW9010C)				
Cyanide, Total	BRL	0.010		mg/L	337889	1	06/14/2022 11:52	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B				(SW3510C)				
4,4'-DDD	BRL	0.10		ug/L	337561	1	06/13/2022 19:19	ST
4,4'-DDE	BRL	0.10		ug/L	337561	1	06/13/2022 19:19	ST
4,4'-DDT	BRL	0.10		ug/L	337561	1	06/14/2022 14:09	ST
Aldrin	BRL	0.050		ug/L	337561	1	06/13/2022 19:19	ST
alpha-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 19:19	ST
beta-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 19:19	ST
Chlordane	BRL	0.50		ug/L	337561	1	06/13/2022 19:19	ST
delta-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 19:19	ST
Dieldrin	BRL	0.10		ug/L	337561	1	06/13/2022 19:19	ST
Endosulfan I	BRL	0.050		ug/L	337561	1	06/13/2022 19:19	ST
Endosulfan II	BRL	0.10		ug/L	337561	1	06/13/2022 19:19	ST
Endosulfan sulfate	BRL	0.10		ug/L	337561	1	06/13/2022 19:19	ST
Endrin	BRL	0.10		ug/L	337561	1	06/13/2022 19:19	ST
Endrin aldehyde	BRL	0.10		ug/L	337561	1	06/13/2022 19:19	ST
gamma-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 19:19	ST
Heptachlor	BRL	0.050		ug/L	337561	1	06/14/2022 14:09	ST
Heptachlor epoxide	BRL	0.050		ug/L	337561	1	06/13/2022 19:19	ST
Methoxychlor	BRL	0.50		ug/L	337561	1	06/14/2022 14:09	ST
Toxaphene	BRL	3.0		ug/L	337561	1	06/14/2022 14:09	ST
Surr: Decachlorobiphenyl	51.8	27-130		%REC	337561	1	06/13/2022 19:19	ST
Surr: Tetrachloro-m-xylene	55	40.1-130		%REC	337561	1	06/13/2022 19:19	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	337798	1	06/14/2022 13:38	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	337798	1	06/14/2022 13:38	UH
2,4-D	BRL	2.0		ug/L	337798	1	06/14/2022 13:38	UH
Dinoseb	BRL	5.0		ug/L	337798	1	06/14/2022 13:38	UH
Pentachlorophenol	BRL	1.0		ug/L	337798	1	06/14/2022 13:38	UH
Surr: DCAA	75.1	47-120		%REC	337798	1	06/14/2022 13:38	UH

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

Analytical Environmental Services, Inc.

Date: 13-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-045

Client Sample ID: PH1-GWC-3A
Collection Date: 6/7/2022 10:25:00 AM
Matrix: GROUNDWATER

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/29/2022 10:17 AM
Benzo(a)pyrene	1.7	0.20		ug/L	338060	1	6/29/2022 10:17 AM
Surr: 4-Terphenyl-d14	153	65.5-137	S	%REC	338060	1	6/29/2022 10:17 AM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-046

Client Sample ID: GWC-24
Collection Date: 6/7/2022 3:55:00 PM
Matrix: Groundwater

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	337978	1	06/11/2022 20:35	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
1,1-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
1,3-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
1,3-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
2,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
2-Butanone	BRL	100		ug/L	337978	1	06/11/2022 20:35	OM
2-Hexanone	BRL	50		ug/L	337978	1	06/11/2022 20:35	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337978	1	06/11/2022 20:35	OM
Acetone	BRL	100		ug/L	337978	1	06/11/2022 20:35	OM
Acetonitrile	BRL	200		ug/L	337978	1	06/15/2022 16:37	CM
Acrolein	BRL	50		ug/L	337978	1	06/11/2022 20:35	OM
Acrylonitrile	BRL	50		ug/L	337978	1	06/11/2022 20:35	OM
Allyl Chloride	BRL	100		ug/L	337978	1	06/15/2022 16:37	CM
Benzene	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
Bromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
Bromodichloromethane	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
Bromoform	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
Bromomethane	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
Carbon disulfide	BRL	5.0		ug/L	337978	1	06/11/2022 20:35	OM
Carbon tetrachloride	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
Chlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
Chloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
Chloroform	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
Chloromethane	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
Chloroprene	BRL	20		ug/L	337978	1	06/15/2022 16:37	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
Dibromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
Dibromomethane	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
Dichlorodifluoromethane	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
Ethyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 16:37	CM
Ethylbenzene	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
Iodomethane	BRL	100		ug/L	337978	1	06/11/2022 20:35	OM
Isobutyl Alcohol	BRL	200		ug/L	337978	1	06/15/2022 16:37	CM

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-24
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 3:55:00 PM
Lab ID: 2206B25-046	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Methyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 16:37	CM
Methylacrylonitrile	BRL	200		ug/L	337978	1	06/15/2022 16:37	CM
Methylene chloride	BRL	5.0		ug/L	337978	1	06/11/2022 20:35	OM
Naphthalene	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
Propionitrile	BRL	100		ug/L	337978	1	06/15/2022 16:37	CM
Styrene	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
Tetrachloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
Toluene	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337978	1	06/11/2022 20:35	OM
Trichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
Trichlorofluoromethane	BRL	10		ug/L	337978	1	06/11/2022 20:35	OM
Vinyl acetate	BRL	100		ug/L	337978	1	06/11/2022 20:35	OM
Vinyl chloride	BRL	2.0		ug/L	337978	1	06/11/2022 20:35	OM
Xylenes, Total	BRL	5.0		ug/L	337978	1	06/11/2022 20:35	OM
Surr: 4-Bromofluorobenzene	91.3	75-118		%REC	337978	1	06/11/2022 20:35	OM
Surr: 4-Bromofluorobenzene	96.1	75-118		%REC	337978	1	06/15/2022 16:37	CM
Surr: Dibromofluoromethane	97.9	82.5-121		%REC	337978	1	06/11/2022 20:35	OM
Surr: Dibromofluoromethane	101	82.5-121		%REC	337978	1	06/15/2022 16:37	CM
Surr: Toluene-d8	99.5	78.3-118		%REC	337978	1	06/11/2022 20:35	OM
Surr: Toluene-d8	101	78.3-118		%REC	337978	1	06/15/2022 16:37	CM
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	337876	1	06/13/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	1.8		ug/L	337560	1	06/10/2022 19:12	YH
1,3,5-Trinitrobenzene	BRL	0.75		ug/L	337560	1	06/13/2022 16:24	YH
1,3,5-Trinitrobenzene	BRL	0.75		ug/L	337560	1	06/10/2022 19:12	YH
1,3-Dinitrobenzene	BRL	3.7		ug/L	337560	1	06/10/2022 19:12	YH
1,3-Dinitrobenzene	BRL	3.7		ug/L	337560	1	06/13/2022 16:24	YH
1,4-Napthoquinone	BRL	3.6		ug/L	337560	1	06/10/2022 19:12	YH
1,4-Napthoquinone	BRL	3.6		ug/L	337560	1	06/13/2022 16:24	YH
1-Naphthylamine	BRL	2.6		ug/L	337560	1	06/10/2022 19:12	YH
2,3,4,6-Tetrachlorophenol	BRL	2.0		ug/L	337560	1	06/10/2022 19:12	YH
2,4,5-Trichlorophenol	BRL	2.0		ug/L	337560	1	06/10/2022 19:12	YH
2,4,6-Trichlorophenol	BRL	1.7		ug/L	337560	1	06/10/2022 19:12	YH
2,4-Dichlorophenol	BRL	1.8		ug/L	337560	1	06/10/2022 19:12	YH
2,4-Dimethylphenol	BRL	1.9		ug/L	337560	1	06/10/2022 19:12	YH
2,4-Dinitrophenol	BRL	4.4		ug/L	337560	1	06/10/2022 19:12	YH
2,4-Dinitrotoluene	BRL	3.0		ug/L	337560	1	06/10/2022 19:12	YH
2,6-Dichlorophenol	BRL	2.9		ug/L	337560	1	06/10/2022 19:12	YH
2,6-Dinitrotoluene	BRL	2.6		ug/L	337560	1	06/10/2022 19:12	YH
2-Acetylaminofluorene	BRL	5.6		ug/L	337560	1	06/10/2022 19:12	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-24
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 3:55:00 PM
Lab ID: 2206B25-046	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Acetylaminofluorene	BRL	5.6		ug/L	337560	1	06/13/2022 16:24	YH
2-Chloronaphthalene	BRL	1.5		ug/L	337560	1	06/10/2022 19:12	YH
2-Chlorophenol	BRL	1.0		ug/L	337560	1	06/10/2022 19:12	YH
2-Methylnaphthalene	BRL	1.5		ug/L	337560	1	06/10/2022 19:12	YH
2-Methylphenol	BRL	1.5		ug/L	337560	1	06/10/2022 19:12	YH
2-Naphthylamine	BRL	2.2		ug/L	337560	1	06/10/2022 19:12	YH
2-Nitroaniline	BRL	1.8		ug/L	337560	1	06/10/2022 19:12	YH
2-Nitrophenol	BRL	1.2		ug/L	337560	1	06/10/2022 19:12	YH
3,3'-Dichlorobenzidine	BRL	1.9		ug/L	337560	1	06/10/2022 19:12	YH
3,3'-Dimethoxybenzidine	BRL	5.0	N	ug/L	337560	1	06/10/2022 19:12	YH
3,3'-Dimethylbenzidine	BRL	4.7		ug/L	337560	1	06/10/2022 19:12	YH
3,3'-Dimethylbenzidine	BRL	4.7		ug/L	337560	1	06/13/2022 16:24	YH
3,4-Methylphenol	BRL	1.7		ug/L	337560	1	06/10/2022 19:12	YH
3-Methylcholanthrene	BRL	4.0		ug/L	337560	1	06/10/2022 19:12	YH
3-Nitroaniline	BRL	2.2		ug/L	337560	1	06/10/2022 19:12	YH
4,6-Dinitro-2-methylphenol	BRL	7.1		ug/L	337560	1	06/10/2022 19:12	YH
4-Aminobiphenyl	BRL	2.4		ug/L	337560	1	06/10/2022 19:12	YH
4-Bromophenyl phenyl ether	BRL	2.0		ug/L	337560	1	06/10/2022 19:12	YH
4-Chloro-3-methylphenol	BRL	2.0		ug/L	337560	1	06/10/2022 19:12	YH
4-Chloroaniline	BRL	2.4		ug/L	337560	1	06/10/2022 19:12	YH
4-Chlorophenyl phenyl ether	BRL	1.5		ug/L	337560	1	06/10/2022 19:12	YH
4-Nitroaniline	BRL	2.6		ug/L	337560	1	06/10/2022 19:12	YH
4-Nitrophenol	BRL	2.9		ug/L	337560	1	06/10/2022 19:12	YH
4-Nitroquinoline,1-oxide	BRL	3.2		ug/L	337560	1	06/13/2022 16:24	YH
5-Nitro-o-toluidine	BRL	2.5		ug/L	337560	1	06/10/2022 19:12	YH
5-Nitro-o-toluidine	BRL	2.5		ug/L	337560	1	06/13/2022 16:24	YH
7,12-Dimethylbenz(a)anthracene	BRL	3.5		ug/L	337560	1	06/10/2022 19:12	YH
7,12-Dimethylbenz(a)anthracene	BRL	3.5		ug/L	337560	1	06/13/2022 16:24	YH
Acenaphthene	BRL	1.3		ug/L	337560	1	06/10/2022 19:12	YH
Acenaphthylene	BRL	1.3		ug/L	337560	1	06/10/2022 19:12	YH
Acetophenone	BRL	2.0		ug/L	337560	1	06/10/2022 19:12	YH
Anthracene	BRL	1.5		ug/L	337560	1	06/10/2022 19:12	YH
Aramite	BRL	1.8		ug/L	337560	1	06/13/2022 16:24	YH
Benz(a)anthracene	BRL	1.4		ug/L	337560	1	06/10/2022 19:12	YH
Benzo(b)fluoranthene	BRL	1.9		ug/L	337560	1	06/10/2022 19:12	YH
Benzo(g,h,i)perylene	BRL	2.1		ug/L	337560	1	06/10/2022 19:12	YH
Benzo(k)fluoranthene	BRL	1.8		ug/L	337560	1	06/10/2022 19:12	YH
Benzyl alcohol	BRL	1.9		ug/L	337560	1	06/10/2022 19:12	YH
Bis(2-chloroethoxy)methane	BRL	1.3		ug/L	337560	1	06/10/2022 19:12	YH
Bis(2-chloroethyl)ether	BRL	1.2		ug/L	337560	1	06/10/2022 19:12	YH
Bis(2-chloroisopropyl)ether	BRL	1.5		ug/L	337560	1	06/10/2022 19:12	YH
Bis(2-ethylhexyl)phthalate	BRL	2.2		ug/L	337560	1	06/10/2022 19:12	YH
Butyl benzyl phthalate	BRL	1.7		ug/L	337560	1	06/10/2022 19:12	YH
Chlorobenzilate	BRL	2.9		ug/L	337560	1	06/10/2022 19:12	YH
Chlorobenzilate	BRL	2.9		ug/L	337560	1	06/13/2022 16:24	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-24
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 3:55:00 PM
Lab ID: 2206B25-046	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Chrysene	BRL	1.4		ug/L	337560	1	06/10/2022 19:12	YH
Di-n-butyl phthalate	BRL	1.6		ug/L	337560	1	06/10/2022 19:12	YH
Di-n-octyl phthalate	BRL	4.7		ug/L	337560	1	06/10/2022 19:12	YH
Diallate	BRL	2.6		ug/L	337560	1	06/10/2022 19:12	YH
Diallate	BRL	2.6		ug/L	337560	1	06/13/2022 16:24	YH
Dibenz(a,h)anthracene	BRL	2.2		ug/L	337560	1	06/10/2022 19:12	YH
Dibenzofuran	BRL	1.4		ug/L	337560	1	06/10/2022 19:12	YH
Diethyl phthalate	BRL	1.6		ug/L	337560	1	06/10/2022 19:12	YH
Dimethoate	BRL	2.9		ug/L	337560	1	06/10/2022 19:12	YH
Dimethoate	BRL	2.9		ug/L	337560	1	06/13/2022 16:24	YH
Dimethyl phthalate	BRL	1.4		ug/L	337560	1	06/10/2022 19:12	YH
Dimethylaminoazobenzene	BRL	1.7	N	ug/L	337560	1	06/10/2022 19:12	YH
Disulfoton	BRL	2.8		ug/L	337560	1	06/10/2022 19:12	YH
Disulfoton	BRL	2.8		ug/L	337560	1	06/13/2022 16:24	YH
Ethyl methanesulfonate	BRL	2.2		ug/L	337560	1	06/10/2022 19:12	YH
Famphur	BRL	1.7		ug/L	337560	1	06/10/2022 19:12	YH
Famphur	BRL	1.7		ug/L	337560	1	06/13/2022 16:24	YH
Fluoranthene	BRL	1.5		ug/L	337560	1	06/10/2022 19:12	YH
Fluorene	BRL	1.4		ug/L	337560	1	06/10/2022 19:12	YH
Hexachlorobutadiene	BRL	2.1		ug/L	337560	1	06/10/2022 19:12	YH
Hexachlorocyclopentadiene	BRL	4.2		ug/L	337560	1	06/10/2022 19:12	YH
Hexachloroethane	BRL	1.5		ug/L	337560	1	06/10/2022 19:12	YH
Hexachloropropene	BRL	3.7		ug/L	337560	1	06/10/2022 19:12	YH
Hexachloropropene	BRL	3.7		ug/L	337560	1	06/13/2022 16:24	YH
Indeno(1,2,3-cd)pyrene	BRL	2.1		ug/L	337560	1	06/10/2022 19:12	YH
Isodrin	BRL	2.7		ug/L	337560	1	06/10/2022 19:12	YH
Isodrin	BRL	2.7		ug/L	337560	1	06/13/2022 16:24	YH
Isophorone	BRL	1.7		ug/L	337560	1	06/10/2022 19:12	YH
Isosafrole	BRL	3.3		ug/L	337560	1	06/10/2022 19:12	YH
Isosafrole	BRL	3.3		ug/L	337560	1	06/13/2022 16:24	YH
Kepone	BRL	2.7		ug/L	337560	1	06/10/2022 19:12	YH
Kepone	BRL	2.7		ug/L	337560	1	06/13/2022 16:24	YH
Methapyrilene	BRL	4.0		ug/L	337560	1	06/10/2022 19:12	YH
Methapyrilene	BRL	4.0		ug/L	337560	1	06/13/2022 16:24	YH
Methyl methanesulfonate	BRL	2.8		ug/L	337560	1	06/10/2022 19:12	YH
Methyl parathion	BRL	2.2		ug/L	337560	1	06/10/2022 19:12	YH
Methyl parathion	BRL	2.2		ug/L	337560	1	06/13/2022 16:24	YH
N-Nitrosodi-n-butylamine	BRL	1.8		ug/L	337560	1	06/10/2022 19:12	YH
N-Nitrosodi-n-propylamine	BRL	1.2		ug/L	337560	1	06/10/2022 19:12	YH
N-Nitrosodiethylamine	BRL	1.4		ug/L	337560	1	06/10/2022 19:12	YH
N-Nitrosodiethylamine	BRL	1.4		ug/L	337560	1	06/13/2022 16:24	YH
N-Nitrosodimethylamine	BRL	2.0		ug/L	337560	1	06/10/2022 19:12	YH
N-Nitrosodiphenylamine	BRL	1.2		ug/L	337560	1	06/10/2022 19:12	YH
N-Nitrosomethylethylamine	BRL	0.74		ug/L	337560	1	06/10/2022 19:12	YH
N-Nitrosomethylethylamine	BRL	0.74		ug/L	337560	1	06/13/2022 16:24	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-24
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 3:55:00 PM
Lab ID: 2206B25-046	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
N-Nitrosomorpholine	BRL	1.3		ug/L	337560	1	06/13/2022 16:24	YH
N-Nitrosopiperidine	BRL	1.2		ug/L	337560	1	06/10/2022 19:12	YH
N-Nitrosopyrrolidine	BRL	1.5		ug/L	337560	1	06/10/2022 19:12	YH
N-Nitrosopyrrolidine	BRL	1.5		ug/L	337560	1	06/13/2022 16:24	YH
Nitrobenzene	BRL	1.2		ug/L	337560	1	06/10/2022 19:12	YH
O,O,O-Triethyl phosphorothioate	BRL	1.6		ug/L	337560	1	06/10/2022 19:12	YH
O,O,O-Triethyl phosphorothioate	BRL	1.6		ug/L	337560	1	06/13/2022 16:24	YH
o-Toluidine	BRL	3.7		ug/L	337560	1	06/10/2022 19:12	YH
o-Toluidine	BRL	3.7		ug/L	337560	1	06/13/2022 16:24	YH
p-Phenylenediamine	BRL	2.8		ug/L	337560	1	06/10/2022 19:12	YH
p-Phenylenediamine	BRL	2.8		ug/L	337560	1	06/13/2022 16:24	YH
Parathion	BRL	2.2		ug/L	337560	1	06/10/2022 19:12	YH
Parathion	BRL	2.2		ug/L	337560	1	06/13/2022 16:24	YH
Pentachlorobenzene	BRL	1.9		ug/L	337560	1	06/10/2022 19:12	YH
Pentachloronitrobenzene	BRL	2.8		ug/L	337560	1	06/10/2022 19:12	YH
Phenacetin	BRL	3.0		ug/L	337560	1	06/10/2022 19:12	YH
Phenanthrene	BRL	1.4		ug/L	337560	1	06/10/2022 19:12	YH
Phenol	BRL	1.4		ug/L	337560	1	06/10/2022 19:12	YH
Phorate	BRL	1.8		ug/L	337560	1	06/10/2022 19:12	YH
Phorate	BRL	1.8		ug/L	337560	1	06/13/2022 16:24	YH
Pronamide	BRL	3.5		ug/L	337560	1	06/10/2022 19:12	YH
Pyrene	BRL	1.4		ug/L	337560	1	06/10/2022 19:12	YH
Safrole	BRL	3.6		ug/L	337560	1	06/10/2022 19:12	YH
Safrole	BRL	3.6		ug/L	337560	1	06/13/2022 16:24	YH
Sym-Trinitrobenzene	BRL	3.2		ug/L	337560	1	06/13/2022 16:24	YH
Tetraethyl dithiopyrophosphate	BRL	1.9		ug/L	337560	1	06/13/2022 16:24	YH
Thionazin	BRL	2.1		ug/L	337560	1	06/10/2022 19:12	YH
Thionazin	BRL	2.1		ug/L	337560	1	06/13/2022 16:24	YH
Surr: 2,4,6-Tribromophenol	44.4	46-135	S	%REC	337560	1	06/10/2022 19:12	YH
Surr: 2-Fluorobiphenyl	46.3	45-121		%REC	337560	1	06/10/2022 19:12	YH
Surr: 2-Fluorophenol	26.6	28.2-120	S	%REC	337560	1	06/10/2022 19:12	YH
Surr: 4-Terphenyl-d14	48.1	44-120		%REC	337560	1	06/10/2022 19:12	YH
Surr: Nitrobenzene-d5	48.8	41-123		%REC	337560	1	06/10/2022 19:12	YH
Surr: Phenol-d5	17.1	19.5-120	S	%REC	337560	1	06/10/2022 19:12	YH
POLYCHLORINATED BIPHENYLS SW8082A		(SW3510C)						
Aroclor 1016	BRL	0.50		ug/L	337562	1	06/13/2022 23:05	ST
Aroclor 1221	BRL	0.50		ug/L	337562	1	06/13/2022 23:05	ST
Aroclor 1232	BRL	0.50		ug/L	337562	1	06/13/2022 23:05	ST
Aroclor 1242	BRL	0.50		ug/L	337562	1	06/13/2022 23:05	ST
Aroclor 1248	BRL	0.50		ug/L	337562	1	06/13/2022 23:05	ST
Aroclor 1254	BRL	0.50		ug/L	337562	1	06/13/2022 23:05	ST
Aroclor 1260	BRL	0.50		ug/L	337562	1	06/13/2022 23:05	ST
Surr: Decachlorobiphenyl	57.1	30-120		%REC	337562	1	06/13/2022 23:05	ST
Surr: Tetrachloro-m-xylene	46.8	46.5-120		%REC	337562	1	06/13/2022 23:05	ST

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-24
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 3:55:00 PM
Lab ID: 2206B25-046	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				(SW8011)				
1,2-Dibromo-3-chloropropane	BRL	0.040		ug/L	337863	1	06/13/2022 17:06	UH
1,2-Dibromoethane	BRL	0.020		ug/L	337863	1	06/13/2022 17:06	UH
Surr: 4-Bromofluorobenzene	113	69.7-138		%REC	337863	1	06/13/2022 17:06	UH
Cyanide SW9014				(SW9010C)				
Cyanide, Total	BRL	0.010		mg/L	337889	1	06/14/2022 11:56	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B				(SW3510C)				
4,4'-DDD	BRL	0.10		ug/L	337561	1	06/13/2022 23:05	ST
4,4'-DDE	BRL	0.10		ug/L	337561	1	06/13/2022 23:05	ST
4,4'-DDT	BRL	0.10		ug/L	337561	1	06/14/2022 18:59	ST
Aldrin	BRL	0.050		ug/L	337561	1	06/13/2022 23:05	ST
alpha-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:05	ST
beta-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:05	ST
Chlordane	BRL	0.50		ug/L	337561	1	06/13/2022 23:05	ST
delta-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:05	ST
Dieldrin	BRL	0.10		ug/L	337561	1	06/13/2022 23:05	ST
Endosulfan I	BRL	0.050		ug/L	337561	1	06/13/2022 23:05	ST
Endosulfan II	BRL	0.10		ug/L	337561	1	06/13/2022 23:05	ST
Endosulfan sulfate	BRL	0.10		ug/L	337561	1	06/13/2022 23:05	ST
Endrin	BRL	0.10		ug/L	337561	1	06/13/2022 23:05	ST
Endrin aldehyde	BRL	0.10		ug/L	337561	1	06/13/2022 23:05	ST
gamma-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:05	ST
Heptachlor	BRL	0.050		ug/L	337561	1	06/14/2022 18:59	ST
Heptachlor epoxide	BRL	0.050		ug/L	337561	1	06/13/2022 23:05	ST
Methoxychlor	BRL	0.50		ug/L	337561	1	06/14/2022 18:59	ST
Toxaphene	BRL	3.0		ug/L	337561	1	06/14/2022 18:59	ST
Surr: Decachlorobiphenyl	42.1	27-130		%REC	337561	1	06/13/2022 23:05	ST
Surr: Tetrachloro-m-xylene	40.7	40.1-130		%REC	337561	1	06/14/2022 18:59	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	337798	1	06/14/2022 13:59	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	337798	1	06/14/2022 13:59	UH
2,4-D	BRL	2.0		ug/L	337798	1	06/14/2022 13:59	UH
Dinoseb	BRL	5.0		ug/L	337798	1	06/14/2022 13:59	UH
Pentachlorophenol	BRL	1.0		ug/L	337798	1	06/14/2022 13:59	UH
Surr: DCAA	84.2	47-120		%REC	337798	1	06/14/2022 13:59	UH

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

Analytical Environmental Services, Inc.

Date: 13-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-046

Client Sample ID: GWC-24
Collection Date: 6/7/2022 3:55:00 PM
Matrix: GROUNDWATER

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/29/2022 10:40 AM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/29/2022 10:40 AM
Surr: 4-Terphenyl-d14	117	65.5-137		%REC	338060	1	6/29/2022 10:40 AM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 9:10:00 AM
Lab ID: 2206B25-047	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Mercury, Total SW7470A					(SW7470A)			
Mercury	BRL	0.00020		mg/L	337862	1	06/13/2022 15:17	GR
APPENDIX II METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337813	1	06/13/2022 23:44	JM
Arsenic	BRL	0.0100		mg/L	337813	1	06/13/2022 23:44	JM
Barium	0.0255	0.0200		mg/L	337813	1	06/13/2022 23:44	JM
Beryllium	BRL	0.00400		mg/L	337813	1	06/13/2022 23:44	JM
Cadmium	BRL	0.00500		mg/L	337813	1	06/13/2022 23:44	JM
Chromium	BRL	0.0200		mg/L	337813	1	06/13/2022 23:44	JM
Cobalt	BRL	0.0500		mg/L	337813	1	06/13/2022 23:44	JM
Copper	BRL	0.0200		mg/L	337813	1	06/13/2022 23:44	JM
Lead	BRL	0.0100		mg/L	337813	1	06/13/2022 23:44	JM
Nickel	BRL	0.0400		mg/L	337813	1	06/13/2022 23:44	JM
Selenium	BRL	0.0500		mg/L	337813	1	06/13/2022 23:44	JM
Silver	BRL	0.00500		mg/L	337813	1	06/13/2022 23:44	JM
Thallium	BRL	0.00200		mg/L	337813	1	06/13/2022 23:44	JM
Tin	BRL	0.0400		mg/L	337813	1	06/13/2022 23:44	JM
Vanadium	BRL	0.0500		mg/L	337813	1	06/13/2022 23:44	JM
Zinc	BRL	0.0200		mg/L	339318	1	07/08/2022 20:58	JM

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-3A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 9:15:00 AM
Lab ID: 2206B25-048	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Mercury, Total SW7470A					(SW7470A)			
Mercury	BRL	0.00020		mg/L	337862	1	06/13/2022 15:21	GR
APPENDIX II METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337813	1	06/13/2022 23:48	JM
Arsenic	BRL	0.0100		mg/L	337813	1	06/13/2022 23:48	JM
Barium	0.0301	0.0200		mg/L	337813	1	06/13/2022 23:48	JM
Beryllium	BRL	0.00400		mg/L	337813	1	06/13/2022 23:48	JM
Cadmium	BRL	0.00500		mg/L	337813	1	06/13/2022 23:48	JM
Chromium	BRL	0.0200		mg/L	337813	1	06/13/2022 23:48	JM
Cobalt	BRL	0.0500		mg/L	337813	1	06/13/2022 23:48	JM
Copper	BRL	0.0200		mg/L	337813	1	06/13/2022 23:48	JM
Lead	BRL	0.0100		mg/L	337813	1	06/13/2022 23:48	JM
Nickel	BRL	0.0400		mg/L	337813	1	06/13/2022 23:48	JM
Selenium	BRL	0.0500		mg/L	337813	1	06/13/2022 23:48	JM
Silver	BRL	0.00500		mg/L	337813	1	06/13/2022 23:48	JM
Thallium	BRL	0.00200		mg/L	337813	1	06/13/2022 23:48	JM
Tin	BRL	0.0400		mg/L	337813	1	06/13/2022 23:48	JM
Vanadium	BRL	0.0500		mg/L	337813	1	06/13/2022 23:48	JM
Zinc	0.0388	0.0200		mg/L	337813	1	06/13/2022 23:48	JM

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-24
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 10:35:00 AM
Lab ID: 2206B25-049	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Mercury, Total SW7470A					(SW7470A)			
Mercury	BRL	0.00020		mg/L	337862	1	06/13/2022 15:25	GR
APPENDIX II METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337813	1	06/13/2022 23:51	JM
Arsenic	BRL	0.0100		mg/L	337813	1	06/13/2022 23:51	JM
Barium	BRL	0.0200		mg/L	337813	1	06/13/2022 23:51	JM
Beryllium	BRL	0.00400		mg/L	337813	1	06/13/2022 23:51	JM
Cadmium	BRL	0.00500		mg/L	337813	1	06/13/2022 23:51	JM
Chromium	BRL	0.0200		mg/L	337813	1	06/13/2022 23:51	JM
Cobalt	BRL	0.0500		mg/L	337813	1	06/13/2022 23:51	JM
Copper	BRL	0.0200		mg/L	337813	1	06/13/2022 23:51	JM
Lead	BRL	0.0100		mg/L	337813	1	06/13/2022 23:51	JM
Nickel	BRL	0.0400		mg/L	337813	1	06/13/2022 23:51	JM
Selenium	BRL	0.0500		mg/L	337813	1	06/13/2022 23:51	JM
Silver	BRL	0.00500		mg/L	337813	1	06/13/2022 23:51	JM
Thallium	BRL	0.00200		mg/L	337813	1	06/13/2022 23:51	JM
Tin	BRL	0.0400		mg/L	337813	1	06/13/2022 23:51	JM
Vanadium	BRL	0.0500		mg/L	337813	1	06/13/2022 23:51	JM
Zinc	BRL	0.0200		mg/L	339318	1	07/08/2022 21:01	JM

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: 2206B25-050

Client Sample ID: GWC-18
Collection Date: 6/7/2022 10:30:00 AM
Matrix: Groundwater

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	337978	1	06/11/2022 17:38	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
1,1-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
1,3-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
1,3-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
2,2-Dichloropropane	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
2-Butanone	BRL	100		ug/L	337978	1	06/11/2022 17:38	OM
2-Hexanone	BRL	50		ug/L	337978	1	06/11/2022 17:38	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337978	1	06/11/2022 17:38	OM
Acetone	BRL	100		ug/L	337978	1	06/11/2022 17:38	OM
Acetonitrile	BRL	200		ug/L	337978	1	06/15/2022 13:46	CM
Acrolein	BRL	50		ug/L	337978	1	06/11/2022 17:38	OM
Acrylonitrile	BRL	50		ug/L	337978	1	06/11/2022 17:38	OM
Allyl Chloride	BRL	100		ug/L	337978	1	06/15/2022 13:46	CM
Benzene	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
Bromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
Bromodichloromethane	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
Bromoform	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
Bromomethane	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
Carbon disulfide	BRL	5.0		ug/L	337978	1	06/11/2022 17:38	OM
Carbon tetrachloride	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
Chlorobenzene	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
Chloroethane	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
Chloroform	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
Chloromethane	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
Chloroprene	BRL	20		ug/L	337978	1	06/15/2022 13:46	CM
cis-1,2-Dichloroethene	13	2.0		ug/L	337978	1	06/11/2022 17:38	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
Dibromochloromethane	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
Dibromomethane	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
Dichlorodifluoromethane	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
Ethyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 13:46	CM
Ethylbenzene	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
Iodomethane	BRL	100		ug/L	337978	1	06/11/2022 17:38	OM
Isobutyl Alcohol	BRL	200		ug/L	337978	1	06/15/2022 13:46	CM

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: 2206B25-050

Client Sample ID: GWC-18
Collection Date: 6/7/2022 10:30:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Methyl Methacrylate	BRL	10		ug/L	337978	1	06/15/2022 13:46	CM
Methylacrylonitrile	BRL	200		ug/L	337978	1	06/15/2022 13:46	CM
Methylene chloride	BRL	5.0		ug/L	337978	1	06/11/2022 17:38	OM
Naphthalene	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
Propionitrile	BRL	100		ug/L	337978	1	06/15/2022 13:46	CM
Styrene	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
Tetrachloroethene	5.2	2.0		ug/L	337978	1	06/11/2022 17:38	OM
Toluene	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337978	1	06/11/2022 17:38	OM
Trichloroethene	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
Trichlorofluoromethane	BRL	10		ug/L	337978	1	06/11/2022 17:38	OM
Vinyl acetate	BRL	100		ug/L	337978	1	06/11/2022 17:38	OM
Vinyl chloride	BRL	2.0		ug/L	337978	1	06/11/2022 17:38	OM
Xylenes, Total	BRL	5.0		ug/L	337978	1	06/11/2022 17:38	OM
Surr: 4-Bromofluorobenzene	94.4	75-118		%REC	337978	1	06/11/2022 17:38	OM
Surr: 4-Bromofluorobenzene	96.2	75-118		%REC	337978	1	06/15/2022 13:46	CM
Surr: Dibromofluoromethane	95.8	82.5-121		%REC	337978	1	06/11/2022 17:38	OM
Surr: Dibromofluoromethane	101	82.5-121		%REC	337978	1	06/15/2022 13:46	CM
Surr: Toluene-d8	98.6	78.3-118		%REC	337978	1	06/11/2022 17:38	OM
Surr: Toluene-d8	101	78.3-118		%REC	337978	1	06/15/2022 13:46	CM
Sulfide by SW9030B/9034					(SW9030B)			
Sulfide	BRL	2.00		mg/L	337876	1	06/13/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS		SW8270E			(SW3510C)			
1,2,4,5-Tetrachlorobenzene	BRL	1.8		ug/L	337560	1	06/10/2022 19:37	YH
1,3,5-Trinitrobenzene	BRL	0.75		ug/L	337560	1	06/10/2022 19:37	YH
1,3,5-Trinitrobenzene	BRL	0.75		ug/L	337560	1	06/13/2022 16:52	YH
1,3-Dinitrobenzene	BRL	3.7		ug/L	337560	1	06/10/2022 19:37	YH
1,3-Dinitrobenzene	BRL	3.7		ug/L	337560	1	06/13/2022 16:52	YH
1,4-Napthoquinone	BRL	3.6		ug/L	337560	1	06/10/2022 19:37	YH
1,4-Napthoquinone	BRL	3.6		ug/L	337560	1	06/13/2022 16:52	YH
1-Naphthylamine	BRL	2.6		ug/L	337560	1	06/10/2022 19:37	YH
2,3,4,6-Tetrachlorophenol	BRL	2.0		ug/L	337560	1	06/10/2022 19:37	YH
2,4,5-Trichlorophenol	BRL	2.0		ug/L	337560	1	06/10/2022 19:37	YH
2,4,6-Trichlorophenol	BRL	1.7		ug/L	337560	1	06/10/2022 19:37	YH
2,4-Dichlorophenol	BRL	1.8		ug/L	337560	1	06/10/2022 19:37	YH
2,4-Dimethylphenol	BRL	1.9		ug/L	337560	1	06/10/2022 19:37	YH
2,4-Dinitrophenol	BRL	4.4		ug/L	337560	1	06/10/2022 19:37	YH
2,4-Dinitrotoluene	BRL	3.0		ug/L	337560	1	06/10/2022 19:37	YH
2,6-Dichlorophenol	BRL	2.9		ug/L	337560	1	06/10/2022 19:37	YH
2,6-Dinitrotoluene	BRL	2.6		ug/L	337560	1	06/10/2022 19:37	YH
2-Acetylaminofluorene	BRL	5.6		ug/L	337560	1	06/13/2022 16:52	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-050

Client Sample ID: GWC-18
Collection Date: 6/7/2022 10:30:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Acetylaminofluorene	BRL	5.6		ug/L	337560	1	06/10/2022 19:37	YH
2-Chloronaphthalene	BRL	1.5		ug/L	337560	1	06/10/2022 19:37	YH
2-Chlorophenol	BRL	1.0		ug/L	337560	1	06/10/2022 19:37	YH
2-Methylnaphthalene	BRL	1.5		ug/L	337560	1	06/10/2022 19:37	YH
2-Methylphenol	BRL	1.5		ug/L	337560	1	06/10/2022 19:37	YH
2-Naphthylamine	BRL	2.2		ug/L	337560	1	06/10/2022 19:37	YH
2-Nitroaniline	BRL	1.8		ug/L	337560	1	06/10/2022 19:37	YH
2-Nitrophenol	BRL	1.2		ug/L	337560	1	06/10/2022 19:37	YH
3,3'-Dichlorobenzidine	BRL	1.9		ug/L	337560	1	06/10/2022 19:37	YH
3,3'-Dimethoxybenzidine	BRL	5.0	N	ug/L	337560	1	06/10/2022 19:37	YH
3,3'-Dimethylbenzidine	BRL	4.7		ug/L	337560	1	06/10/2022 19:37	YH
3,3'-Dimethylbenzidine	BRL	4.7		ug/L	337560	1	06/13/2022 16:52	YH
3,4-Methylphenol	BRL	1.7		ug/L	337560	1	06/10/2022 19:37	YH
3-Methylcholanthrene	BRL	4.0		ug/L	337560	1	06/10/2022 19:37	YH
3-Nitroaniline	BRL	2.2		ug/L	337560	1	06/10/2022 19:37	YH
4,6-Dinitro-2-methylphenol	BRL	7.1		ug/L	337560	1	06/10/2022 19:37	YH
4-Aminobiphenyl	BRL	2.4		ug/L	337560	1	06/10/2022 19:37	YH
4-Bromophenyl phenyl ether	BRL	2.0		ug/L	337560	1	06/10/2022 19:37	YH
4-Chloro-3-methylphenol	BRL	2.0		ug/L	337560	1	06/10/2022 19:37	YH
4-Chloroaniline	BRL	2.4		ug/L	337560	1	06/10/2022 19:37	YH
4-Chlorophenyl phenyl ether	BRL	1.5		ug/L	337560	1	06/10/2022 19:37	YH
4-Nitroaniline	BRL	2.6		ug/L	337560	1	06/10/2022 19:37	YH
4-Nitrophenol	BRL	2.9		ug/L	337560	1	06/10/2022 19:37	YH
4-Nitroquinoline,1-oxide	BRL	3.2		ug/L	337560	1	06/13/2022 16:52	YH
5-Nitro-o-toluidine	BRL	2.5		ug/L	337560	1	06/10/2022 19:37	YH
5-Nitro-o-toluidine	BRL	2.5		ug/L	337560	1	06/13/2022 16:52	YH
7,12-Dimethylbenz(a)anthracene	BRL	3.5		ug/L	337560	1	06/10/2022 19:37	YH
7,12-Dimethylbenz(a)anthracene	BRL	3.5		ug/L	337560	1	06/13/2022 16:52	YH
Acenaphthene	BRL	1.3		ug/L	337560	1	06/10/2022 19:37	YH
Acenaphthylene	BRL	1.3		ug/L	337560	1	06/10/2022 19:37	YH
Acetophenone	BRL	2.0		ug/L	337560	1	06/10/2022 19:37	YH
Anthracene	BRL	1.5		ug/L	337560	1	06/10/2022 19:37	YH
Aramite	BRL	1.8		ug/L	337560	1	06/13/2022 16:52	YH
Benz(a)anthracene	BRL	1.4		ug/L	337560	1	06/10/2022 19:37	YH
Benzo(b)fluoranthene	BRL	1.9		ug/L	337560	1	06/10/2022 19:37	YH
Benzo(g,h,i)perylene	BRL	2.1		ug/L	337560	1	06/10/2022 19:37	YH
Benzo(k)fluoranthene	BRL	1.8		ug/L	337560	1	06/10/2022 19:37	YH
Benzyl alcohol	BRL	1.9		ug/L	337560	1	06/10/2022 19:37	YH
Bis(2-chloroethoxy)methane	BRL	1.3		ug/L	337560	1	06/10/2022 19:37	YH
Bis(2-chloroethyl)ether	BRL	1.2		ug/L	337560	1	06/10/2022 19:37	YH
Bis(2-chloroisopropyl)ether	BRL	1.5		ug/L	337560	1	06/10/2022 19:37	YH
Bis(2-ethylhexyl)phthalate	BRL	2.2		ug/L	337560	1	06/10/2022 19:37	YH
Butyl benzyl phthalate	BRL	1.7		ug/L	337560	1	06/10/2022 19:37	YH
Chlorobenzilate	BRL	2.9		ug/L	337560	1	06/10/2022 19:37	YH
Chlorobenzilate	BRL	2.9		ug/L	337560	1	06/13/2022 16:52	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-18
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 10:30:00 AM
Lab ID: 2206B25-050	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Chrysene	BRL	1.4		ug/L	337560	1	06/10/2022 19:37	YH
Di-n-butyl phthalate	BRL	1.6		ug/L	337560	1	06/10/2022 19:37	YH
Di-n-octyl phthalate	BRL	4.7		ug/L	337560	1	06/10/2022 19:37	YH
Diallate	BRL	2.6		ug/L	337560	1	06/10/2022 19:37	YH
Diallate	BRL	2.6		ug/L	337560	1	06/13/2022 16:52	YH
Dibenz(a,h)anthracene	BRL	2.2		ug/L	337560	1	06/10/2022 19:37	YH
Dibenzofuran	BRL	1.4		ug/L	337560	1	06/10/2022 19:37	YH
Diethyl phthalate	BRL	1.6		ug/L	337560	1	06/10/2022 19:37	YH
Dimethoate	BRL	2.9		ug/L	337560	1	06/10/2022 19:37	YH
Dimethoate	BRL	2.9		ug/L	337560	1	06/13/2022 16:52	YH
Dimethyl phthalate	BRL	1.4		ug/L	337560	1	06/10/2022 19:37	YH
Dimethylaminoazobenzene	BRL	1.7	N	ug/L	337560	1	06/10/2022 19:37	YH
Disulfoton	BRL	2.8		ug/L	337560	1	06/10/2022 19:37	YH
Disulfoton	BRL	2.8		ug/L	337560	1	06/13/2022 16:52	YH
Ethyl methanesulfonate	BRL	2.2		ug/L	337560	1	06/10/2022 19:37	YH
Famphur	BRL	1.7		ug/L	337560	1	06/13/2022 16:52	YH
Famphur	BRL	1.7		ug/L	337560	1	06/10/2022 19:37	YH
Fluoranthene	BRL	1.5		ug/L	337560	1	06/10/2022 19:37	YH
Fluorene	BRL	1.4		ug/L	337560	1	06/10/2022 19:37	YH
Hexachlorobutadiene	BRL	2.1		ug/L	337560	1	06/10/2022 19:37	YH
Hexachlorocyclopentadiene	BRL	4.2		ug/L	337560	1	06/10/2022 19:37	YH
Hexachloroethane	BRL	1.5		ug/L	337560	1	06/10/2022 19:37	YH
Hexachloropropene	BRL	3.7		ug/L	337560	1	06/10/2022 19:37	YH
Hexachloropropene	BRL	3.7		ug/L	337560	1	06/13/2022 16:52	YH
Indeno(1,2,3-cd)pyrene	BRL	2.1		ug/L	337560	1	06/10/2022 19:37	YH
Isodrin	BRL	2.7		ug/L	337560	1	06/10/2022 19:37	YH
Isodrin	BRL	2.7		ug/L	337560	1	06/13/2022 16:52	YH
Isophorone	BRL	1.7		ug/L	337560	1	06/10/2022 19:37	YH
Isosafrole	BRL	3.3		ug/L	337560	1	06/10/2022 19:37	YH
Isosafrole	BRL	3.3		ug/L	337560	1	06/13/2022 16:52	YH
Kepone	BRL	2.7		ug/L	337560	1	06/10/2022 19:37	YH
Kepone	BRL	2.7		ug/L	337560	1	06/13/2022 16:52	YH
Methapyrilene	BRL	4.0		ug/L	337560	1	06/10/2022 19:37	YH
Methapyrilene	BRL	4.0		ug/L	337560	1	06/13/2022 16:52	YH
Methyl methanesulfonate	BRL	2.8		ug/L	337560	1	06/10/2022 19:37	YH
Methyl parathion	BRL	2.2		ug/L	337560	1	06/10/2022 19:37	YH
Methyl parathion	BRL	2.2		ug/L	337560	1	06/13/2022 16:52	YH
N-Nitrosodi-n-butylamine	BRL	1.8		ug/L	337560	1	06/10/2022 19:37	YH
N-Nitrosodi-n-propylamine	BRL	1.2		ug/L	337560	1	06/10/2022 19:37	YH
N-Nitrosodiethylamine	BRL	1.4		ug/L	337560	1	06/10/2022 19:37	YH
N-Nitrosodiethylamine	BRL	1.4		ug/L	337560	1	06/13/2022 16:52	YH
N-Nitrosodimethylamine	BRL	2.0		ug/L	337560	1	06/10/2022 19:37	YH
N-Nitrosodiphenylamine	BRL	1.2		ug/L	337560	1	06/10/2022 19:37	YH
N-Nitrosomethylethylamine	BRL	0.74		ug/L	337560	1	06/10/2022 19:37	YH
N-Nitrosomethylethylamine	BRL	0.74		ug/L	337560	1	06/13/2022 16:52	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: 2206B25-050

Client Sample ID: GWC-18
Collection Date: 6/7/2022 10:30:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
N-Nitrosomorpholine	BRL	1.3		ug/L	337560	1	06/13/2022 16:52	YH
N-Nitrosopiperidine	BRL	1.2		ug/L	337560	1	06/10/2022 19:37	YH
N-Nitrosopyrrolidine	BRL	1.5		ug/L	337560	1	06/10/2022 19:37	YH
N-Nitrosopyrrolidine	BRL	1.5		ug/L	337560	1	06/13/2022 16:52	YH
Nitrobenzene	BRL	1.2		ug/L	337560	1	06/10/2022 19:37	YH
O,O,O-Triethyl phosphorothioate	BRL	1.6		ug/L	337560	1	06/10/2022 19:37	YH
O,O,O-Triethyl phosphorothioate	BRL	1.6		ug/L	337560	1	06/13/2022 16:52	YH
o-Toluidine	BRL	3.7		ug/L	337560	1	06/10/2022 19:37	YH
o-Toluidine	BRL	3.7		ug/L	337560	1	06/13/2022 16:52	YH
p-Phenylenediamine	BRL	2.8		ug/L	337560	1	06/10/2022 19:37	YH
p-Phenylenediamine	BRL	2.8		ug/L	337560	1	06/13/2022 16:52	YH
Parathion	BRL	2.2		ug/L	337560	1	06/10/2022 19:37	YH
Parathion	BRL	2.2		ug/L	337560	1	06/13/2022 16:52	YH
Pentachlorobenzene	BRL	1.9		ug/L	337560	1	06/10/2022 19:37	YH
Pentachloronitrobenzene	BRL	2.8		ug/L	337560	1	06/10/2022 19:37	YH
Phenacetin	BRL	3.0		ug/L	337560	1	06/10/2022 19:37	YH
Phenanthrene	BRL	1.4		ug/L	337560	1	06/10/2022 19:37	YH
Phenol	BRL	1.4		ug/L	337560	1	06/10/2022 19:37	YH
Phorate	BRL	1.8		ug/L	337560	1	06/10/2022 19:37	YH
Phorate	BRL	1.8		ug/L	337560	1	06/13/2022 16:52	YH
Pronamide	BRL	3.5		ug/L	337560	1	06/10/2022 19:37	YH
Pyrene	BRL	1.4		ug/L	337560	1	06/10/2022 19:37	YH
Safrole	BRL	3.6		ug/L	337560	1	06/10/2022 19:37	YH
Safrole	BRL	3.6		ug/L	337560	1	06/13/2022 16:52	YH
Sym-Trinitrobenzene	BRL	3.2		ug/L	337560	1	06/13/2022 16:52	YH
Tetraethyl dithiopyrophosphate	BRL	1.9		ug/L	337560	1	06/13/2022 16:52	YH
Thionazin	BRL	2.1		ug/L	337560	1	06/10/2022 19:37	YH
Thionazin	BRL	2.1		ug/L	337560	1	06/13/2022 16:52	YH
Surr: 2,4,6-Tribromophenol	78.8	46-135		%REC	337560	1	06/10/2022 19:37	YH
Surr: 2-Fluorobiphenyl	89.5	45-121		%REC	337560	1	06/10/2022 19:37	YH
Surr: 2-Fluorophenol	41.8	28.2-120		%REC	337560	1	06/10/2022 19:37	YH
Surr: 4-Terphenyl-d14	97.3	44-120		%REC	337560	1	06/10/2022 19:37	YH
Surr: Nitrobenzene-d5	90.8	41-123		%REC	337560	1	06/10/2022 19:37	YH
Surr: Phenol-d5	27	19.5-120		%REC	337560	1	06/10/2022 19:37	YH
POLYCHLORINATED BIPHENYLS SW8082A		(SW3510C)						
Aroclor 1016	BRL	0.50		ug/L	337562	1	06/13/2022 23:16	ST
Aroclor 1221	BRL	0.50		ug/L	337562	1	06/13/2022 23:16	ST
Aroclor 1232	BRL	0.50		ug/L	337562	1	06/13/2022 23:16	ST
Aroclor 1242	BRL	0.50		ug/L	337562	1	06/13/2022 23:16	ST
Aroclor 1248	BRL	0.50		ug/L	337562	1	06/13/2022 23:16	ST
Aroclor 1254	BRL	0.50		ug/L	337562	1	06/13/2022 23:16	ST
Aroclor 1260	BRL	0.50		ug/L	337562	1	06/13/2022 23:16	ST
Surr: Decachlorobiphenyl	65.8	30-120		%REC	337562	1	06/13/2022 23:16	ST
Surr: Tetrachloro-m-xylene	72	46.5-120		%REC	337562	1	06/13/2022 23:16	ST

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: 2206B25-050

Client Sample ID: GWC-18
Collection Date: 6/7/2022 10:30:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				(SW8011)				
1,2-Dibromo-3-chloropropane	BRL	0.040		ug/L	337863	1	06/13/2022 17:23	UH
1,2-Dibromoethane	BRL	0.020		ug/L	337863	1	06/13/2022 17:23	UH
Surr: 4-Bromofluorobenzene	112	69.7-138		%REC	337863	1	06/13/2022 17:23	UH
Cyanide SW9014				(SW9010C)				
Cyanide, Total	BRL	0.010		mg/L	337889	1	06/14/2022 11:57	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B				(SW3510C)				
4,4'-DDD	BRL	0.10		ug/L	337561	1	06/13/2022 23:16	ST
4,4'-DDE	BRL	0.10		ug/L	337561	1	06/13/2022 23:16	ST
4,4'-DDT	BRL	0.10		ug/L	337561	1	06/14/2022 19:10	ST
Aldrin	BRL	0.050		ug/L	337561	1	06/13/2022 23:16	ST
alpha-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:16	ST
beta-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:16	ST
Chlordane	BRL	0.50		ug/L	337561	1	06/13/2022 23:16	ST
delta-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:16	ST
Dieldrin	BRL	0.10		ug/L	337561	1	06/13/2022 23:16	ST
Endosulfan I	BRL	0.050		ug/L	337561	1	06/13/2022 23:16	ST
Endosulfan II	BRL	0.10		ug/L	337561	1	06/13/2022 23:16	ST
Endosulfan sulfate	BRL	0.10		ug/L	337561	1	06/13/2022 23:16	ST
Endrin	BRL	0.10		ug/L	337561	1	06/13/2022 23:16	ST
Endrin aldehyde	BRL	0.10		ug/L	337561	1	06/13/2022 23:16	ST
gamma-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:16	ST
Heptachlor	BRL	0.050		ug/L	337561	1	06/14/2022 19:10	ST
Heptachlor epoxide	BRL	0.050		ug/L	337561	1	06/13/2022 23:16	ST
Methoxychlor	BRL	0.50		ug/L	337561	1	06/14/2022 19:10	ST
Toxaphene	BRL	3.0		ug/L	337561	1	06/14/2022 19:10	ST
Surr: Decachlorobiphenyl	49.7	27-130		%REC	337561	1	06/13/2022 23:16	ST
Surr: Tetrachloro-m-xylene	77.9	40.1-130		%REC	337561	1	06/13/2022 23:16	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	337798	1	06/14/2022 14:20	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	337798	1	06/14/2022 14:20	UH
2,4-D	BRL	2.0		ug/L	337798	1	06/14/2022 14:20	UH
Dinoseb	BRL	5.0		ug/L	337798	1	06/14/2022 14:20	UH
Pentachlorophenol	BRL	1.0		ug/L	337798	1	06/14/2022 14:20	UH
Surr: DCAA	69.2	47-120		%REC	337798	1	06/14/2022 14:20	UH

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

Analytical Environmental Services, Inc.

Date: 13-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-050

Client Sample ID: GWC-18
Collection Date: 6/7/2022 10:30:00 AM
Matrix: GROUNDWATER

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/29/2022 11:03 AM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/29/2022 11:03 AM
Surr: 4-Terphenyl-d14	119	65.5-137		%REC	338060	1	6/29/2022 11:03 AM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-18
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 9:05:00 AM
Lab ID: 2206B25-051	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Mercury, Total SW7470A					(SW7470A)			
Mercury	BRL	0.00020		mg/L	337862	1	06/13/2022 15:29	GR
APPENDIX II METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337813	1	06/15/2022 15:18	JM
Arsenic	BRL	0.0100		mg/L	337813	1	06/15/2022 15:18	JM
Barium	0.196	0.0200		mg/L	337813	1	06/15/2022 15:18	JM
Beryllium	BRL	0.00400		mg/L	337813	1	06/15/2022 15:18	JM
Cadmium	BRL	0.00500		mg/L	337813	1	06/15/2022 15:18	JM
Chromium	BRL	0.0200		mg/L	337813	1	06/15/2022 15:18	JM
Cobalt	BRL	0.0500		mg/L	337813	1	06/15/2022 15:18	JM
Copper	BRL	0.0200		mg/L	337813	1	06/15/2022 15:18	JM
Lead	BRL	0.0100		mg/L	337813	1	06/15/2022 15:18	JM
Nickel	BRL	0.0400		mg/L	337813	1	06/15/2022 15:18	JM
Selenium	BRL	0.0500		mg/L	337813	1	06/15/2022 15:18	JM
Silver	BRL	0.00500		mg/L	337813	1	06/15/2022 15:18	JM
Thallium	BRL	0.00200		mg/L	337813	1	06/15/2022 15:18	JM
Tin	BRL	0.0400		mg/L	337813	1	06/15/2022 15:18	JM
Vanadium	BRL	0.0500		mg/L	337813	1	06/15/2022 15:18	JM
Zinc	BRL	0.0200		mg/L	337813	1	06/15/2022 15:18	JM

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: 6/6/2022 1:55:00 PM
Lab ID: 2206B25-052	Matrix: Groundwater

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	337775	1	06/10/2022 17:31	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
1,1-Dichloropropene	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
1,3-Dichlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
1,3-Dichloropropane	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
2,2-Dichloropropane	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
2-Butanone	BRL	100		ug/L	337775	1	06/10/2022 17:31	OM
2-Hexanone	BRL	50		ug/L	337775	1	06/10/2022 17:31	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337775	1	06/10/2022 17:31	OM
Acetone	BRL	100		ug/L	337775	1	06/10/2022 17:31	OM
Acetonitrile	BRL	200		ug/L	337775	1	06/10/2022 17:31	OM
Acrolein	BRL	50		ug/L	337775	1	06/10/2022 17:31	OM
Acrylonitrile	BRL	50		ug/L	337775	1	06/10/2022 17:31	OM
Allyl Chloride	BRL	100		ug/L	337775	1	06/10/2022 17:31	OM
Benzene	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
Bromochloromethane	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Bromodichloromethane	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Bromoform	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Bromomethane	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Carbon disulfide	BRL	5.0		ug/L	337775	1	06/10/2022 17:31	OM
Carbon tetrachloride	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
Chlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Chloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
Chloroform	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
Chloromethane	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Chloroprene	BRL	20		ug/L	337775	1	06/10/2022 17:31	OM
cis-1,2-Dichloroethene	4.0	2.0		ug/L	337775	1	06/10/2022 17:31	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
Dibromochloromethane	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Dibromomethane	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Dichlorodifluoromethane	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Ethyl Methacrylate	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Ethylbenzene	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
Iodomethane	BRL	100		ug/L	337775	1	06/10/2022 17:31	OM
Isobutyl Alcohol	BRL	200		ug/L	337775	1	06/10/2022 17:31	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: 2206B25-052

Client Sample ID: GWC-19R
Collection Date: 6/6/2022 1:55:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Methyl Methacrylate	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Methylacrylonitrile	BRL	200		ug/L	337775	1	06/10/2022 17:31	OM
Methylene chloride	BRL	5.0		ug/L	337775	1	06/10/2022 17:31	OM
Naphthalene	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Propionitrile	BRL	100		ug/L	337775	1	06/10/2022 17:31	OM
Styrene	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Tetrachloroethene	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
Toluene	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337775	1	06/10/2022 17:31	OM
Trichloroethene	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
Trichlorofluoromethane	BRL	10		ug/L	337775	1	06/10/2022 17:31	OM
Vinyl acetate	BRL	100		ug/L	337775	1	06/10/2022 17:31	OM
Vinyl chloride	BRL	2.0		ug/L	337775	1	06/10/2022 17:31	OM
Xylenes, Total	BRL	5.0		ug/L	337775	1	06/10/2022 17:31	OM
Surr: 4-Bromofluorobenzene	91.5	75-118		%REC	337775	1	06/10/2022 17:31	OM
Surr: 4-Bromofluorobenzene	92.3	75-118		%REC	337775	1	06/10/2022 17:31	OM
Surr: Dibromofluoromethane	93.5	82.5-121		%REC	337775	1	06/10/2022 17:31	OM
Surr: Dibromofluoromethane	94.3	82.5-121		%REC	337775	1	06/10/2022 17:31	OM
Surr: Toluene-d8	98.2	78.3-118		%REC	337775	1	06/10/2022 17:31	OM
Surr: Toluene-d8	110	78.3-118		%REC	337775	1	06/10/2022 17:31	OM
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	337876	1	06/13/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	1.8		ug/L	337560	1	06/10/2022 20:02	YH
1,3,5-Trinitrobenzene	BRL	0.75		ug/L	337560	1	06/13/2022 17:21	YH
1,3,5-Trinitrobenzene	BRL	0.75		ug/L	337560	1	06/10/2022 20:02	YH
1,3-Dinitrobenzene	BRL	3.7		ug/L	337560	1	06/10/2022 20:02	YH
1,3-Dinitrobenzene	BRL	3.7		ug/L	337560	1	06/13/2022 17:21	YH
1,4-Napthoquinone	BRL	3.6		ug/L	337560	1	06/10/2022 20:02	YH
1,4-Napthoquinone	BRL	3.6		ug/L	337560	1	06/13/2022 17:21	YH
1-Naphthylamine	BRL	2.6		ug/L	337560	1	06/10/2022 20:02	YH
2,3,4,6-Tetrachlorophenol	BRL	2.0		ug/L	337560	1	06/10/2022 20:02	YH
2,4,5-Trichlorophenol	BRL	2.0		ug/L	337560	1	06/10/2022 20:02	YH
2,4,6-Trichlorophenol	BRL	1.7		ug/L	337560	1	06/10/2022 20:02	YH
2,4-Dichlorophenol	BRL	1.8		ug/L	337560	1	06/10/2022 20:02	YH
2,4-Dimethylphenol	BRL	1.9		ug/L	337560	1	06/10/2022 20:02	YH
2,4-Dinitrophenol	BRL	4.4		ug/L	337560	1	06/10/2022 20:02	YH
2,4-Dinitrotoluene	BRL	3.0		ug/L	337560	1	06/10/2022 20:02	YH
2,6-Dichlorophenol	BRL	2.9		ug/L	337560	1	06/10/2022 20:02	YH
2,6-Dinitrotoluene	BRL	2.6		ug/L	337560	1	06/10/2022 20:02	YH
2-Acetylaminofluorene	BRL	5.6		ug/L	337560	1	06/13/2022 17:21	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-052

Client Sample ID: GWC-19R
Collection Date: 6/6/2022 1:55:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Acetylaminofluorene	BRL	5.6		ug/L	337560	1	06/10/2022 20:02	YH
2-Chloronaphthalene	BRL	1.5		ug/L	337560	1	06/10/2022 20:02	YH
2-Chlorophenol	BRL	1.0		ug/L	337560	1	06/10/2022 20:02	YH
2-Methylnaphthalene	BRL	1.5		ug/L	337560	1	06/10/2022 20:02	YH
2-Methylphenol	BRL	1.5		ug/L	337560	1	06/10/2022 20:02	YH
2-Naphthylamine	BRL	2.2		ug/L	337560	1	06/10/2022 20:02	YH
2-Nitroaniline	BRL	1.8		ug/L	337560	1	06/10/2022 20:02	YH
2-Nitrophenol	BRL	1.2		ug/L	337560	1	06/10/2022 20:02	YH
3,3'-Dichlorobenzidine	BRL	1.9		ug/L	337560	1	06/10/2022 20:02	YH
3,3'-Dimethoxybenzidine	BRL	5.0	N	ug/L	337560	1	06/10/2022 20:02	YH
3,3'-Dimethylbenzidine	BRL	4.7		ug/L	337560	1	06/10/2022 20:02	YH
3,3'-Dimethylbenzidine	BRL	4.7		ug/L	337560	1	06/13/2022 17:21	YH
3,4-Methylphenol	BRL	1.7		ug/L	337560	1	06/10/2022 20:02	YH
3-Methylcholanthrene	BRL	4.0		ug/L	337560	1	06/10/2022 20:02	YH
3-Nitroaniline	BRL	2.2		ug/L	337560	1	06/10/2022 20:02	YH
4,6-Dinitro-2-methylphenol	BRL	7.1		ug/L	337560	1	06/10/2022 20:02	YH
4-Aminobiphenyl	BRL	2.4		ug/L	337560	1	06/10/2022 20:02	YH
4-Bromophenyl phenyl ether	BRL	2.0		ug/L	337560	1	06/10/2022 20:02	YH
4-Chloro-3-methylphenol	BRL	2.0		ug/L	337560	1	06/10/2022 20:02	YH
4-Chloroaniline	BRL	2.4		ug/L	337560	1	06/10/2022 20:02	YH
4-Chlorophenyl phenyl ether	BRL	1.5		ug/L	337560	1	06/10/2022 20:02	YH
4-Nitroaniline	BRL	2.6		ug/L	337560	1	06/10/2022 20:02	YH
4-Nitrophenol	BRL	2.9		ug/L	337560	1	06/10/2022 20:02	YH
4-Nitroquinoline,1-oxide	BRL	3.2		ug/L	337560	1	06/13/2022 17:21	YH
5-Nitro-o-toluidine	BRL	2.5		ug/L	337560	1	06/13/2022 17:21	YH
5-Nitro-o-toluidine	BRL	2.5		ug/L	337560	1	06/10/2022 20:02	YH
7,12-Dimethylbenz(a)anthracene	BRL	3.5		ug/L	337560	1	06/10/2022 20:02	YH
7,12-Dimethylbenz(a)anthracene	BRL	3.5		ug/L	337560	1	06/13/2022 17:21	YH
Acenaphthene	BRL	1.3		ug/L	337560	1	06/10/2022 20:02	YH
Acenaphthylene	BRL	1.3		ug/L	337560	1	06/10/2022 20:02	YH
Acetophenone	BRL	2.0		ug/L	337560	1	06/10/2022 20:02	YH
Anthracene	BRL	1.5		ug/L	337560	1	06/10/2022 20:02	YH
Aramite	BRL	1.8		ug/L	337560	1	06/13/2022 17:21	YH
Benz(a)anthracene	BRL	1.4		ug/L	337560	1	06/10/2022 20:02	YH
Benzo(b)fluoranthene	BRL	1.9		ug/L	337560	1	06/10/2022 20:02	YH
Benzo(g,h,i)perylene	BRL	2.1		ug/L	337560	1	06/10/2022 20:02	YH
Benzo(k)fluoranthene	BRL	1.8		ug/L	337560	1	06/10/2022 20:02	YH
Benzyl alcohol	BRL	1.9		ug/L	337560	1	06/10/2022 20:02	YH
Bis(2-chloroethoxy)methane	BRL	1.3		ug/L	337560	1	06/10/2022 20:02	YH
Bis(2-chloroethyl)ether	BRL	1.2		ug/L	337560	1	06/10/2022 20:02	YH
Bis(2-chloroisopropyl)ether	BRL	1.5		ug/L	337560	1	06/10/2022 20:02	YH
Bis(2-ethylhexyl)phthalate	BRL	2.2		ug/L	337560	1	06/10/2022 20:02	YH
Butyl benzyl phthalate	BRL	1.7		ug/L	337560	1	06/10/2022 20:02	YH
Chlorobenzilate	BRL	2.9		ug/L	337560	1	06/13/2022 17:21	YH
Chlorobenzilate	BRL	2.9		ug/L	337560	1	06/10/2022 20:02	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-052

Client Sample ID: GWC-19R
Collection Date: 6/6/2022 1:55:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Chrysene	BRL	1.4		ug/L	337560	1	06/10/2022 20:02	YH
Di-n-butyl phthalate	BRL	1.6		ug/L	337560	1	06/10/2022 20:02	YH
Di-n-octyl phthalate	BRL	4.7		ug/L	337560	1	06/10/2022 20:02	YH
Diallate	BRL	2.6		ug/L	337560	1	06/10/2022 20:02	YH
Diallate	BRL	2.6		ug/L	337560	1	06/13/2022 17:21	YH
Dibenz(a,h)anthracene	BRL	2.2		ug/L	337560	1	06/10/2022 20:02	YH
Dibenzofuran	BRL	1.4		ug/L	337560	1	06/10/2022 20:02	YH
Diethyl phthalate	BRL	1.6		ug/L	337560	1	06/10/2022 20:02	YH
Dimethoate	BRL	2.9		ug/L	337560	1	06/13/2022 17:21	YH
Dimethoate	BRL	2.9		ug/L	337560	1	06/10/2022 20:02	YH
Dimethyl phthalate	BRL	1.4		ug/L	337560	1	06/10/2022 20:02	YH
Dimethylaminoazobenzene	BRL	1.7	N	ug/L	337560	1	06/10/2022 20:02	YH
Disulfoton	BRL	2.8		ug/L	337560	1	06/10/2022 20:02	YH
Disulfoton	BRL	2.8		ug/L	337560	1	06/13/2022 17:21	YH
Ethyl methanesulfonate	BRL	2.2		ug/L	337560	1	06/10/2022 20:02	YH
Famphur	BRL	1.7		ug/L	337560	1	06/10/2022 20:02	YH
Famphur	BRL	1.7		ug/L	337560	1	06/13/2022 17:21	YH
Fluoranthene	BRL	1.5		ug/L	337560	1	06/10/2022 20:02	YH
Fluorene	BRL	1.4		ug/L	337560	1	06/10/2022 20:02	YH
Hexachlorobutadiene	BRL	2.1		ug/L	337560	1	06/10/2022 20:02	YH
Hexachlorocyclopentadiene	BRL	4.2		ug/L	337560	1	06/10/2022 20:02	YH
Hexachloroethane	BRL	1.5		ug/L	337560	1	06/10/2022 20:02	YH
Hexachloropropene	BRL	3.7		ug/L	337560	1	06/10/2022 20:02	YH
Hexachloropropene	BRL	3.7		ug/L	337560	1	06/13/2022 17:21	YH
Indeno(1,2,3-cd)pyrene	BRL	2.1		ug/L	337560	1	06/10/2022 20:02	YH
Isodrin	BRL	2.7		ug/L	337560	1	06/13/2022 17:21	YH
Isodrin	BRL	2.7		ug/L	337560	1	06/10/2022 20:02	YH
Isophorone	BRL	1.7		ug/L	337560	1	06/10/2022 20:02	YH
Isosafrole	BRL	3.3		ug/L	337560	1	06/13/2022 17:21	YH
Isosafrole	BRL	3.3		ug/L	337560	1	06/10/2022 20:02	YH
Kepone	BRL	2.7		ug/L	337560	1	06/10/2022 20:02	YH
Kepone	BRL	2.7		ug/L	337560	1	06/13/2022 17:21	YH
Methapyrilene	BRL	4.0		ug/L	337560	1	06/10/2022 20:02	YH
Methapyrilene	BRL	4.0		ug/L	337560	1	06/13/2022 17:21	YH
Methyl methanesulfonate	BRL	2.8		ug/L	337560	1	06/10/2022 20:02	YH
Methyl parathion	BRL	2.2		ug/L	337560	1	06/10/2022 20:02	YH
Methyl parathion	BRL	2.2		ug/L	337560	1	06/13/2022 17:21	YH
N-Nitrosodi-n-butylamine	BRL	1.8		ug/L	337560	1	06/10/2022 20:02	YH
N-Nitrosodi-n-propylamine	BRL	1.2		ug/L	337560	1	06/10/2022 20:02	YH
N-Nitrosodiethylamine	BRL	1.4		ug/L	337560	1	06/10/2022 20:02	YH
N-Nitrosodiethylamine	BRL	1.4		ug/L	337560	1	06/13/2022 17:21	YH
N-Nitrosodimethylamine	BRL	2.0		ug/L	337560	1	06/10/2022 20:02	YH
N-Nitrosodiphenylamine	BRL	1.2		ug/L	337560	1	06/10/2022 20:02	YH
N-Nitrosomethylethylamine	BRL	0.74		ug/L	337560	1	06/13/2022 17:21	YH
N-Nitrosomethylethylamine	BRL	0.74		ug/L	337560	1	06/10/2022 20:02	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-19R
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/6/2022 1:55:00 PM
Lab ID: 2206B25-052	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
N-Nitrosomorpholine	BRL	1.3		ug/L	337560	1	06/13/2022 17:21	YH
N-Nitrosopiperidine	BRL	1.2		ug/L	337560	1	06/10/2022 20:02	YH
N-Nitrosopyrrolidine	BRL	1.5		ug/L	337560	1	06/10/2022 20:02	YH
N-Nitrosopyrrolidine	BRL	1.5		ug/L	337560	1	06/13/2022 17:21	YH
Nitrobenzene	BRL	1.2		ug/L	337560	1	06/10/2022 20:02	YH
O,O,O-Triethyl phosphorothioate	BRL	1.6		ug/L	337560	1	06/10/2022 20:02	YH
O,O,O-Triethyl phosphorothioate	BRL	1.6		ug/L	337560	1	06/13/2022 17:21	YH
o-Toluidine	BRL	3.7		ug/L	337560	1	06/10/2022 20:02	YH
o-Toluidine	BRL	3.7		ug/L	337560	1	06/13/2022 17:21	YH
p-Phenylenediamine	BRL	2.8		ug/L	337560	1	06/10/2022 20:02	YH
p-Phenylenediamine	BRL	2.8		ug/L	337560	1	06/13/2022 17:21	YH
Parathion	BRL	2.2		ug/L	337560	1	06/10/2022 20:02	YH
Parathion	BRL	2.2		ug/L	337560	1	06/13/2022 17:21	YH
Pentachlorobenzene	BRL	1.9		ug/L	337560	1	06/10/2022 20:02	YH
Pentachloronitrobenzene	BRL	2.8		ug/L	337560	1	06/10/2022 20:02	YH
Phenacetin	BRL	3.0		ug/L	337560	1	06/10/2022 20:02	YH
Phenanthrene	BRL	1.4		ug/L	337560	1	06/10/2022 20:02	YH
Phenol	BRL	1.4		ug/L	337560	1	06/10/2022 20:02	YH
Phorate	BRL	1.8		ug/L	337560	1	06/10/2022 20:02	YH
Phorate	BRL	1.8		ug/L	337560	1	06/13/2022 17:21	YH
Pronamide	BRL	3.5		ug/L	337560	1	06/10/2022 20:02	YH
Pyrene	BRL	1.4		ug/L	337560	1	06/10/2022 20:02	YH
Safrole	BRL	3.6		ug/L	337560	1	06/10/2022 20:02	YH
Safrole	BRL	3.6		ug/L	337560	1	06/13/2022 17:21	YH
Sym-Trinitrobenzene	BRL	3.2		ug/L	337560	1	06/13/2022 17:21	YH
Tetraethyl dithiopyrophosphate	BRL	1.9		ug/L	337560	1	06/13/2022 17:21	YH
Thionazin	BRL	2.1		ug/L	337560	1	06/10/2022 20:02	YH
Thionazin	BRL	2.1		ug/L	337560	1	06/13/2022 17:21	YH
Surr: 2,4,6-Tribromophenol	55	46-135		%REC	337560	1	06/10/2022 20:02	YH
Surr: 2-Fluorobiphenyl	84.3	45-121		%REC	337560	1	06/10/2022 20:02	YH
Surr: 2-Fluorophenol	26.5	28.2-120	S	%REC	337560	1	06/10/2022 20:02	YH
Surr: 4-Terphenyl-d14	91.8	44-120		%REC	337560	1	06/10/2022 20:02	YH
Surr: Nitrobenzene-d5	88.1	41-123		%REC	337560	1	06/10/2022 20:02	YH
Surr: Phenol-d5	19	19.5-120	S	%REC	337560	1	06/10/2022 20:02	YH
POLYCHLORINATED BIPHENYLS SW8082A		(SW3510C)						
Aroclor 1016	BRL	0.50		ug/L	337562	1	06/13/2022 23:27	ST
Aroclor 1221	BRL	0.50		ug/L	337562	1	06/13/2022 23:27	ST
Aroclor 1232	BRL	0.50		ug/L	337562	1	06/13/2022 23:27	ST
Aroclor 1242	BRL	0.50		ug/L	337562	1	06/13/2022 23:27	ST
Aroclor 1248	BRL	0.50		ug/L	337562	1	06/13/2022 23:27	ST
Aroclor 1254	BRL	0.50		ug/L	337562	1	06/13/2022 23:27	ST
Aroclor 1260	BRL	0.50		ug/L	337562	1	06/13/2022 23:27	ST
Surr: Decachlorobiphenyl	70.5	30-120		%REC	337562	1	06/13/2022 23:27	ST
Surr: Tetrachloro-m-xylene	80.3	46.5-120		%REC	337562	1	06/13/2022 23:27	ST

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: 2206B25-052

Client Sample ID: GWC-19R
Collection Date: 6/6/2022 1:55:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				(SW8011)				
1,2-Dibromo-3-chloropropane	BRL	0.040		ug/L	337863	1	06/13/2022 17:40	UH
1,2-Dibromoethane	BRL	0.020		ug/L	337863	1	06/13/2022 17:40	UH
Surr: 4-Bromofluorobenzene	111	69.7-138		%REC	337863	1	06/13/2022 17:40	UH
Cyanide SW9014				(SW9010C)				
Cyanide, Total	BRL	0.010		mg/L	337889	1	06/14/2022 12:08	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B				(SW3510C)				
4,4'-DDD	BRL	0.10		ug/L	337561	1	06/13/2022 23:27	ST
4,4'-DDE	BRL	0.10		ug/L	337561	1	06/13/2022 23:27	ST
4,4'-DDT	BRL	0.10		ug/L	337561	1	06/14/2022 19:21	ST
Aldrin	BRL	0.050		ug/L	337561	1	06/13/2022 23:27	ST
alpha-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:27	ST
beta-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:27	ST
Chlordane	BRL	0.50		ug/L	337561	1	06/13/2022 23:27	ST
delta-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:27	ST
Dieldrin	BRL	0.10		ug/L	337561	1	06/13/2022 23:27	ST
Endosulfan I	BRL	0.050		ug/L	337561	1	06/13/2022 23:27	ST
Endosulfan II	BRL	0.10		ug/L	337561	1	06/13/2022 23:27	ST
Endosulfan sulfate	BRL	0.10		ug/L	337561	1	06/13/2022 23:27	ST
Endrin	BRL	0.10		ug/L	337561	1	06/13/2022 23:27	ST
Endrin aldehyde	BRL	0.10		ug/L	337561	1	06/13/2022 23:27	ST
gamma-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:27	ST
Heptachlor	BRL	0.050		ug/L	337561	1	06/14/2022 19:21	ST
Heptachlor epoxide	BRL	0.050		ug/L	337561	1	06/13/2022 23:27	ST
Methoxychlor	BRL	0.50		ug/L	337561	1	06/14/2022 19:21	ST
Toxaphene	BRL	3.0		ug/L	337561	1	06/14/2022 19:21	ST
Surr: Decachlorobiphenyl	52.4	27-130		%REC	337561	1	06/13/2022 23:27	ST
Surr: Tetrachloro-m-xylene	70.8	40.1-130		%REC	337561	1	06/13/2022 23:27	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	337798	1	06/14/2022 14:41	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	337798	1	06/14/2022 14:41	UH
2,4-D	BRL	2.0		ug/L	337798	1	06/14/2022 14:41	UH
Dinoseb	BRL	5.0		ug/L	337798	1	06/14/2022 14:41	UH
Pentachlorophenol	BRL	1.0		ug/L	337798	1	06/14/2022 14:41	UH
Surr: DCAA	78.8	47-120		%REC	337798	1	06/14/2022 14:41	UH

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

Analytical Environmental Services, Inc.

Date: 13-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-052

Client Sample ID: GWC-19R
Collection Date: 6/6/2022 1:55:00 PM
Matrix: GROUNDWATER

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/29/2022 11:26 AM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/29/2022 11:26 AM
Surr: 4-Terphenyl-d14	125	65.5-137		%REC	338060	1	6/29/2022 11:26 AM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-19R
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 9:10:00 AM
Lab ID: 2206B25-053	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Mercury, Total SW7470A					(SW7470A)			
Mercury	BRL	0.00020		mg/L	337862	1	06/13/2022 15:33	GR
APPENDIX II METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337813	1	06/15/2022 15:22	JM
Arsenic	BRL	0.0100		mg/L	337813	1	06/15/2022 15:22	JM
Barium	0.0856	0.0200		mg/L	337813	1	06/15/2022 15:22	JM
Beryllium	BRL	0.00400		mg/L	337813	1	06/15/2022 15:22	JM
Cadmium	BRL	0.00500		mg/L	337813	1	06/15/2022 15:22	JM
Chromium	BRL	0.0200		mg/L	337813	1	06/15/2022 15:22	JM
Cobalt	BRL	0.0500		mg/L	337813	1	06/15/2022 15:22	JM
Copper	BRL	0.0200		mg/L	337813	1	06/15/2022 15:22	JM
Lead	BRL	0.0100		mg/L	337813	1	06/15/2022 15:22	JM
Nickel	BRL	0.0400		mg/L	337813	1	06/15/2022 15:22	JM
Selenium	BRL	0.0500		mg/L	337813	1	06/15/2022 15:22	JM
Silver	BRL	0.00500		mg/L	337813	1	06/15/2022 15:22	JM
Thallium	BRL	0.00200		mg/L	337813	1	06/15/2022 15:22	JM
Tin	BRL	0.0400		mg/L	337813	1	06/15/2022 15:22	JM
Vanadium	BRL	0.0500		mg/L	337813	1	06/15/2022 15:22	JM
Zinc	BRL	0.0200		mg/L	337813	1	06/15/2022 15:22	JM

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: 2206B25-054

Client Sample ID: PH1-GWA-2
Collection Date: 6/7/2022 2:05:00 PM
Matrix: Groundwater

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	337775	1	06/10/2022 18:20	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
1,1-Dichloropropene	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
1,3-Dichlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
1,3-Dichloropropane	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
2,2-Dichloropropane	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
2-Butanone	BRL	100		ug/L	337775	1	06/10/2022 18:20	OM
2-Hexanone	BRL	50		ug/L	337775	1	06/10/2022 18:20	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337775	1	06/10/2022 18:20	OM
Acetone	BRL	100		ug/L	337775	1	06/10/2022 18:20	OM
Acetonitrile	BRL	200		ug/L	337775	1	06/10/2022 18:20	OM
Acrolein	BRL	50		ug/L	337775	1	06/10/2022 18:20	OM
Acrylonitrile	BRL	50		ug/L	337775	1	06/10/2022 18:20	OM
Allyl Chloride	BRL	100		ug/L	337775	1	06/10/2022 18:20	OM
Benzene	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
Bromochloromethane	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Bromodichloromethane	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Bromoform	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Bromomethane	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Carbon disulfide	BRL	5.0		ug/L	337775	1	06/10/2022 18:20	OM
Carbon tetrachloride	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
Chlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Chloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
Chloroform	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
Chloromethane	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Chloroprene	BRL	20		ug/L	337775	1	06/10/2022 18:20	OM
cis-1,2-Dichloroethene	26	2.0		ug/L	337775	1	06/10/2022 18:20	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
Dibromochloromethane	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Dibromomethane	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Dichlorodifluoromethane	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Ethyl Methacrylate	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Ethylbenzene	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
Iodomethane	BRL	100		ug/L	337775	1	06/10/2022 18:20	OM
Isobutyl Alcohol	BRL	200		ug/L	337775	1	06/10/2022 18:20	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-054

Client Sample ID: PH1-GWA-2
Collection Date: 6/7/2022 2:05:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Methyl Methacrylate	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Methylacrylonitrile	BRL	200		ug/L	337775	1	06/10/2022 18:20	OM
Methylene chloride	BRL	5.0		ug/L	337775	1	06/10/2022 18:20	OM
Naphthalene	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Propionitrile	BRL	100		ug/L	337775	1	06/10/2022 18:20	OM
Styrene	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Tetrachloroethene	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
Toluene	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337775	1	06/10/2022 18:20	OM
Trichloroethene	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
Trichlorofluoromethane	BRL	10		ug/L	337775	1	06/10/2022 18:20	OM
Vinyl acetate	BRL	100		ug/L	337775	1	06/10/2022 18:20	OM
Vinyl chloride	BRL	2.0		ug/L	337775	1	06/10/2022 18:20	OM
Xylenes, Total	BRL	5.0		ug/L	337775	1	06/10/2022 18:20	OM
Surr: 4-Bromofluorobenzene	92.8	75-118		%REC	337775	1	06/10/2022 18:20	OM
Surr: 4-Bromofluorobenzene	94.1	75-118		%REC	337775	1	06/10/2022 18:20	OM
Surr: Dibromofluoromethane	91	82.5-121		%REC	337775	1	06/10/2022 18:20	OM
Surr: Dibromofluoromethane	91.5	82.5-121		%REC	337775	1	06/10/2022 18:20	OM
Surr: Toluene-d8	97.4	78.3-118		%REC	337775	1	06/10/2022 18:20	OM
Surr: Toluene-d8	107	78.3-118		%REC	337775	1	06/10/2022 18:20	OM
Sulfide by SW9030B/9034					(SW9030B)			
Sulfide	BRL	2.00		mg/L	337876	1	06/13/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS		SW8270E			(SW3510C)			
1,2,4,5-Tetrachlorobenzene	BRL	1.8		ug/L	337560	1	06/10/2022 20:27	YH
1,3,5-Trinitrobenzene	BRL	0.75		ug/L	337560	1	06/10/2022 20:27	YH
1,3,5-Trinitrobenzene	BRL	0.75		ug/L	337560	1	06/13/2022 17:49	YH
1,3-Dinitrobenzene	BRL	3.7		ug/L	337560	1	06/10/2022 20:27	YH
1,3-Dinitrobenzene	BRL	3.7		ug/L	337560	1	06/13/2022 17:49	YH
1,4-Napthoquinone	BRL	3.6		ug/L	337560	1	06/10/2022 20:27	YH
1,4-Napthoquinone	BRL	3.6		ug/L	337560	1	06/13/2022 17:49	YH
1-Naphthylamine	BRL	2.6		ug/L	337560	1	06/10/2022 20:27	YH
2,3,4,6-Tetrachlorophenol	BRL	2.0		ug/L	337560	1	06/10/2022 20:27	YH
2,4,5-Trichlorophenol	BRL	2.0		ug/L	337560	1	06/10/2022 20:27	YH
2,4,6-Trichlorophenol	BRL	1.7		ug/L	337560	1	06/10/2022 20:27	YH
2,4-Dichlorophenol	BRL	1.8		ug/L	337560	1	06/10/2022 20:27	YH
2,4-Dimethylphenol	BRL	1.9		ug/L	337560	1	06/10/2022 20:27	YH
2,4-Dinitrophenol	BRL	4.4		ug/L	337560	1	06/10/2022 20:27	YH
2,4-Dinitrotoluene	BRL	3.0		ug/L	337560	1	06/10/2022 20:27	YH
2,6-Dichlorophenol	BRL	2.9		ug/L	337560	1	06/10/2022 20:27	YH
2,6-Dinitrotoluene	BRL	2.6		ug/L	337560	1	06/10/2022 20:27	YH
2-Acetylaminofluorene	BRL	5.6		ug/L	337560	1	06/13/2022 17:49	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-054

Client Sample ID: PH1-GWA-2
Collection Date: 6/7/2022 2:05:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Acetylaminofluorene	BRL	5.6		ug/L	337560	1	06/10/2022 20:27	YH
2-Chloronaphthalene	BRL	1.5		ug/L	337560	1	06/10/2022 20:27	YH
2-Chlorophenol	BRL	1.0		ug/L	337560	1	06/10/2022 20:27	YH
2-Methylnaphthalene	BRL	1.5		ug/L	337560	1	06/10/2022 20:27	YH
2-Methylphenol	BRL	1.5		ug/L	337560	1	06/10/2022 20:27	YH
2-Naphthylamine	BRL	2.2		ug/L	337560	1	06/10/2022 20:27	YH
2-Nitroaniline	BRL	1.8		ug/L	337560	1	06/10/2022 20:27	YH
2-Nitrophenol	BRL	1.2		ug/L	337560	1	06/10/2022 20:27	YH
3,3'-Dichlorobenzidine	BRL	1.9		ug/L	337560	1	06/10/2022 20:27	YH
3,3'-Dimethoxybenzidine	BRL	5.0	N	ug/L	337560	1	06/10/2022 20:27	YH
3,3'-Dimethylbenzidine	BRL	4.7		ug/L	337560	1	06/10/2022 20:27	YH
3,3'-Dimethylbenzidine	BRL	4.7		ug/L	337560	1	06/13/2022 17:49	YH
3,4-Methylphenol	BRL	1.7		ug/L	337560	1	06/10/2022 20:27	YH
3-Methylcholanthrene	BRL	4.0		ug/L	337560	1	06/10/2022 20:27	YH
3-Nitroaniline	BRL	2.2		ug/L	337560	1	06/10/2022 20:27	YH
4,6-Dinitro-2-methylphenol	BRL	7.1		ug/L	337560	1	06/10/2022 20:27	YH
4-Aminobiphenyl	BRL	2.4		ug/L	337560	1	06/10/2022 20:27	YH
4-Bromophenyl phenyl ether	BRL	2.0		ug/L	337560	1	06/10/2022 20:27	YH
4-Chloro-3-methylphenol	BRL	2.0		ug/L	337560	1	06/10/2022 20:27	YH
4-Chloroaniline	BRL	2.4		ug/L	337560	1	06/10/2022 20:27	YH
4-Chlorophenyl phenyl ether	BRL	1.5		ug/L	337560	1	06/10/2022 20:27	YH
4-Nitroaniline	BRL	2.6		ug/L	337560	1	06/10/2022 20:27	YH
4-Nitrophenol	BRL	2.9		ug/L	337560	1	06/10/2022 20:27	YH
4-Nitroquinoline,1-oxide	BRL	3.2		ug/L	337560	1	06/13/2022 17:49	YH
5-Nitro-o-toluidine	BRL	2.5		ug/L	337560	1	06/10/2022 20:27	YH
5-Nitro-o-toluidine	BRL	2.5		ug/L	337560	1	06/13/2022 17:49	YH
7,12-Dimethylbenz(a)anthracene	BRL	3.5		ug/L	337560	1	06/10/2022 20:27	YH
7,12-Dimethylbenz(a)anthracene	BRL	3.5		ug/L	337560	1	06/13/2022 17:49	YH
Acenaphthene	BRL	1.3		ug/L	337560	1	06/10/2022 20:27	YH
Acenaphthylene	BRL	1.3		ug/L	337560	1	06/10/2022 20:27	YH
Acetophenone	BRL	2.0		ug/L	337560	1	06/10/2022 20:27	YH
Anthracene	BRL	1.5		ug/L	337560	1	06/10/2022 20:27	YH
Aramite	BRL	1.8		ug/L	337560	1	06/13/2022 17:49	YH
Benz(a)anthracene	BRL	1.4		ug/L	337560	1	06/10/2022 20:27	YH
Benzo(b)fluoranthene	BRL	1.9		ug/L	337560	1	06/10/2022 20:27	YH
Benzo(g,h,i)perylene	BRL	2.1		ug/L	337560	1	06/10/2022 20:27	YH
Benzo(k)fluoranthene	BRL	1.8		ug/L	337560	1	06/10/2022 20:27	YH
Benzyl alcohol	BRL	1.9		ug/L	337560	1	06/10/2022 20:27	YH
Bis(2-chloroethoxy)methane	BRL	1.3		ug/L	337560	1	06/10/2022 20:27	YH
Bis(2-chloroethyl)ether	BRL	1.2		ug/L	337560	1	06/10/2022 20:27	YH
Bis(2-chloroisopropyl)ether	BRL	1.5		ug/L	337560	1	06/10/2022 20:27	YH
Bis(2-ethylhexyl)phthalate	BRL	2.2		ug/L	337560	1	06/10/2022 20:27	YH
Butyl benzyl phthalate	BRL	1.7		ug/L	337560	1	06/10/2022 20:27	YH
Chlorobenzilate	BRL	2.9		ug/L	337560	1	06/10/2022 20:27	YH
Chlorobenzilate	BRL	2.9		ug/L	337560	1	06/13/2022 17:49	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-054

Client Sample ID: PH1-GWA-2
Collection Date: 6/7/2022 2:05:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Chrysene	BRL	1.4		ug/L	337560	1	06/10/2022 20:27	YH
Di-n-butyl phthalate	BRL	1.6		ug/L	337560	1	06/10/2022 20:27	YH
Di-n-octyl phthalate	BRL	4.7		ug/L	337560	1	06/10/2022 20:27	YH
Diallate	BRL	2.6		ug/L	337560	1	06/10/2022 20:27	YH
Diallate	BRL	2.6		ug/L	337560	1	06/13/2022 17:49	YH
Dibenz(a,h)anthracene	BRL	2.2		ug/L	337560	1	06/10/2022 20:27	YH
Dibenzofuran	BRL	1.4		ug/L	337560	1	06/10/2022 20:27	YH
Diethyl phthalate	BRL	1.6		ug/L	337560	1	06/10/2022 20:27	YH
Dimethoate	BRL	2.9		ug/L	337560	1	06/10/2022 20:27	YH
Dimethoate	BRL	2.9		ug/L	337560	1	06/13/2022 17:49	YH
Dimethyl phthalate	BRL	1.4		ug/L	337560	1	06/10/2022 20:27	YH
Dimethylaminoazobenzene	BRL	1.7	N	ug/L	337560	1	06/10/2022 20:27	YH
Disulfoton	BRL	2.8		ug/L	337560	1	06/10/2022 20:27	YH
Disulfoton	BRL	2.8		ug/L	337560	1	06/13/2022 17:49	YH
Ethyl methanesulfonate	BRL	2.2		ug/L	337560	1	06/10/2022 20:27	YH
Famphur	BRL	1.7		ug/L	337560	1	06/10/2022 20:27	YH
Famphur	BRL	1.7		ug/L	337560	1	06/13/2022 17:49	YH
Fluoranthene	BRL	1.5		ug/L	337560	1	06/10/2022 20:27	YH
Fluorene	BRL	1.4		ug/L	337560	1	06/10/2022 20:27	YH
Hexachlorobutadiene	BRL	2.1		ug/L	337560	1	06/10/2022 20:27	YH
Hexachlorocyclopentadiene	BRL	4.2		ug/L	337560	1	06/10/2022 20:27	YH
Hexachloroethane	BRL	1.5		ug/L	337560	1	06/10/2022 20:27	YH
Hexachloropropene	BRL	3.7		ug/L	337560	1	06/10/2022 20:27	YH
Hexachloropropene	BRL	3.7		ug/L	337560	1	06/13/2022 17:49	YH
Indeno(1,2,3-cd)pyrene	BRL	2.1		ug/L	337560	1	06/10/2022 20:27	YH
Isodrin	BRL	2.7		ug/L	337560	1	06/10/2022 20:27	YH
Isodrin	BRL	2.7		ug/L	337560	1	06/13/2022 17:49	YH
Isophorone	BRL	1.7		ug/L	337560	1	06/10/2022 20:27	YH
Isosafrole	BRL	3.3		ug/L	337560	1	06/10/2022 20:27	YH
Isosafrole	BRL	3.3		ug/L	337560	1	06/13/2022 17:49	YH
Kepone	BRL	2.7		ug/L	337560	1	06/10/2022 20:27	YH
Kepone	BRL	2.7		ug/L	337560	1	06/13/2022 17:49	YH
Methapyrilene	BRL	4.0		ug/L	337560	1	06/10/2022 20:27	YH
Methapyrilene	BRL	4.0		ug/L	337560	1	06/13/2022 17:49	YH
Methyl methanesulfonate	BRL	2.8		ug/L	337560	1	06/10/2022 20:27	YH
Methyl parathion	BRL	2.2		ug/L	337560	1	06/10/2022 20:27	YH
Methyl parathion	BRL	2.2		ug/L	337560	1	06/13/2022 17:49	YH
N-Nitrosodi-n-butylamine	BRL	1.8		ug/L	337560	1	06/10/2022 20:27	YH
N-Nitrosodi-n-propylamine	BRL	1.2		ug/L	337560	1	06/10/2022 20:27	YH
N-Nitrosodiethylamine	BRL	1.4		ug/L	337560	1	06/10/2022 20:27	YH
N-Nitrosodiethylamine	BRL	1.4		ug/L	337560	1	06/13/2022 17:49	YH
N-Nitrosodimethylamine	BRL	2.0		ug/L	337560	1	06/10/2022 20:27	YH
N-Nitrosodiphenylamine	BRL	1.2		ug/L	337560	1	06/10/2022 20:27	YH
N-Nitrosomethylethylamine	BRL	0.74		ug/L	337560	1	06/10/2022 20:27	YH
N-Nitrosomethylethylamine	BRL	0.74		ug/L	337560	1	06/13/2022 17:49	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: PH1-GWA-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/7/2022 2:05:00 PM
Lab ID: 2206B25-054	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
N-Nitrosomorpholine	BRL	1.3		ug/L	337560	1	06/13/2022 17:49	YH
N-Nitrosopiperidine	BRL	1.2		ug/L	337560	1	06/10/2022 20:27	YH
N-Nitrosopyrrolidine	BRL	1.5		ug/L	337560	1	06/10/2022 20:27	YH
N-Nitrosopyrrolidine	BRL	1.5		ug/L	337560	1	06/13/2022 17:49	YH
Nitrobenzene	BRL	1.2		ug/L	337560	1	06/10/2022 20:27	YH
O,O,O-Triethyl phosphorothioate	BRL	1.6		ug/L	337560	1	06/10/2022 20:27	YH
O,O,O-Triethyl phosphorothioate	BRL	1.6		ug/L	337560	1	06/13/2022 17:49	YH
o-Toluidine	BRL	3.7		ug/L	337560	1	06/10/2022 20:27	YH
o-Toluidine	BRL	3.7		ug/L	337560	1	06/13/2022 17:49	YH
p-Phenylenediamine	BRL	2.8		ug/L	337560	1	06/10/2022 20:27	YH
p-Phenylenediamine	BRL	2.8		ug/L	337560	1	06/13/2022 17:49	YH
Parathion	BRL	2.2		ug/L	337560	1	06/10/2022 20:27	YH
Parathion	BRL	2.2		ug/L	337560	1	06/13/2022 17:49	YH
Pentachlorobenzene	BRL	1.9		ug/L	337560	1	06/10/2022 20:27	YH
Pentachloronitrobenzene	BRL	2.8		ug/L	337560	1	06/10/2022 20:27	YH
Phenacetin	BRL	3.0		ug/L	337560	1	06/10/2022 20:27	YH
Phenanthrene	BRL	1.4		ug/L	337560	1	06/10/2022 20:27	YH
Phenol	BRL	1.4		ug/L	337560	1	06/10/2022 20:27	YH
Phorate	BRL	1.8		ug/L	337560	1	06/10/2022 20:27	YH
Phorate	BRL	1.8		ug/L	337560	1	06/13/2022 17:49	YH
Pronamide	BRL	3.5		ug/L	337560	1	06/10/2022 20:27	YH
Pyrene	BRL	1.4		ug/L	337560	1	06/10/2022 20:27	YH
Safrole	BRL	3.6		ug/L	337560	1	06/10/2022 20:27	YH
Safrole	BRL	3.6		ug/L	337560	1	06/13/2022 17:49	YH
Sym-Trinitrobenzene	BRL	3.2		ug/L	337560	1	06/13/2022 17:49	YH
Tetraethyl dithiopyrophosphate	BRL	1.9		ug/L	337560	1	06/13/2022 17:49	YH
Thionazin	BRL	2.1		ug/L	337560	1	06/10/2022 20:27	YH
Thionazin	BRL	2.1		ug/L	337560	1	06/13/2022 17:49	YH
Surr: 2,4,6-Tribromophenol	52.8	46-135		%REC	337560	1	06/10/2022 20:27	YH
Surr: 2-Fluorobiphenyl	86.5	45-121		%REC	337560	1	06/10/2022 20:27	YH
Surr: 2-Fluorophenol	25.2	28.2-120	S	%REC	337560	1	06/10/2022 20:27	YH
Surr: 4-Terphenyl-d14	94.4	44-120		%REC	337560	1	06/10/2022 20:27	YH
Surr: Nitrobenzene-d5	90.2	41-123		%REC	337560	1	06/10/2022 20:27	YH
Surr: Phenol-d5	18.4	19.5-120	S	%REC	337560	1	06/10/2022 20:27	YH
POLYCHLORINATED BIPHENYLS SW8082A		(SW3510C)						
Aroclor 1016	BRL	0.50		ug/L	337562	1	06/13/2022 23:39	ST
Aroclor 1221	BRL	0.50		ug/L	337562	1	06/13/2022 23:39	ST
Aroclor 1232	BRL	0.50		ug/L	337562	1	06/13/2022 23:39	ST
Aroclor 1242	BRL	0.50		ug/L	337562	1	06/13/2022 23:39	ST
Aroclor 1248	BRL	0.50		ug/L	337562	1	06/13/2022 23:39	ST
Aroclor 1254	BRL	0.50		ug/L	337562	1	06/13/2022 23:39	ST
Aroclor 1260	BRL	0.50		ug/L	337562	1	06/13/2022 23:39	ST
Surr: Decachlorobiphenyl	77.7	30-120		%REC	337562	1	06/13/2022 23:39	ST
Surr: Tetrachloro-m-xylene	79.4	46.5-120		%REC	337562	1	06/13/2022 23:39	ST

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: 2206B25-054

Client Sample ID: PH1-GWA-2
Collection Date: 6/7/2022 2:05:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				(SW8011)				
1,2-Dibromo-3-chloropropane	BRL	0.041		ug/L	337863	1	06/13/2022 17:57	UH
1,2-Dibromoethane	BRL	0.020		ug/L	337863	1	06/13/2022 17:57	UH
Surr: 4-Bromofluorobenzene	113	69.7-138		%REC	337863	1	06/13/2022 17:57	UH
Cyanide SW9014				(SW9010C)				
Cyanide, Total	BRL	0.010		mg/L	337889	1	06/14/2022 12:09	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B				(SW3510C)				
4,4'-DDD	BRL	0.10		ug/L	337561	1	06/13/2022 23:39	ST
4,4'-DDE	BRL	0.10		ug/L	337561	1	06/13/2022 23:39	ST
4,4'-DDT	BRL	0.10		ug/L	337561	1	06/14/2022 19:33	ST
Aldrin	BRL	0.050		ug/L	337561	1	06/13/2022 23:39	ST
alpha-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:39	ST
beta-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:39	ST
Chlordane	BRL	0.50		ug/L	337561	1	06/13/2022 23:39	ST
delta-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:39	ST
Dieldrin	BRL	0.10		ug/L	337561	1	06/13/2022 23:39	ST
Endosulfan I	BRL	0.050		ug/L	337561	1	06/13/2022 23:39	ST
Endosulfan II	BRL	0.10		ug/L	337561	1	06/13/2022 23:39	ST
Endosulfan sulfate	BRL	0.10		ug/L	337561	1	06/13/2022 23:39	ST
Endrin	BRL	0.10		ug/L	337561	1	06/13/2022 23:39	ST
Endrin aldehyde	BRL	0.10		ug/L	337561	1	06/13/2022 23:39	ST
gamma-BHC	BRL	0.050		ug/L	337561	1	06/13/2022 23:39	ST
Heptachlor	BRL	0.050		ug/L	337561	1	06/14/2022 19:33	ST
Heptachlor epoxide	BRL	0.050		ug/L	337561	1	06/13/2022 23:39	ST
Methoxychlor	BRL	0.50		ug/L	337561	1	06/14/2022 19:33	ST
Toxaphene	BRL	3.0		ug/L	337561	1	06/14/2022 19:33	ST
Surr: Decachlorobiphenyl	57.4	27-130		%REC	337561	1	06/13/2022 23:39	ST
Surr: Tetrachloro-m-xylene	72.9	40.1-130		%REC	337561	1	06/13/2022 23:39	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	337798	1	06/14/2022 15:01	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	337798	1	06/14/2022 15:01	UH
2,4-D	BRL	2.0		ug/L	337798	1	06/14/2022 15:01	UH
Dinoseb	BRL	5.0		ug/L	337798	1	06/14/2022 15:01	UH
Pentachlorophenol	BRL	1.0		ug/L	337798	1	06/14/2022 15:01	UH
Surr: DCAA	76.2	47-120		%REC	337798	1	06/14/2022 15:01	UH

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

Analytical Environmental Services, Inc.

Date: 13-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206B25-054

Client Sample ID: PH1-GWA-2
Collection Date: 6/7/2022 2:05:00 PM
Matrix: GROUNDWATER

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/29/2022 11:49 AM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/29/2022 11:49 AM
Surr: 4-Terphenyl-d14	115	65.5-137		%REC	338060	1	6/29/2022 11:49 AM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWA-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 9:35:00 AM
Lab ID: 2206B25-055	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Mercury, Total SW7470A					(SW7470A)			
Mercury	BRL	0.00020		mg/L	337862	1	06/13/2022 15:37	GR
APPENDIX II METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337813	1	06/15/2022 15:25	JM
Arsenic	BRL	0.0100		mg/L	337813	1	06/15/2022 15:25	JM
Barium	0.0590	0.0200		mg/L	337813	1	06/15/2022 15:25	JM
Beryllium	BRL	0.00400		mg/L	337813	1	06/15/2022 15:25	JM
Cadmium	BRL	0.00500		mg/L	337813	1	06/15/2022 15:25	JM
Chromium	BRL	0.0200		mg/L	337813	1	06/15/2022 15:25	JM
Cobalt	BRL	0.0500		mg/L	337813	1	06/15/2022 15:25	JM
Copper	BRL	0.0200		mg/L	337813	1	06/15/2022 15:25	JM
Lead	BRL	0.0100		mg/L	337813	1	06/15/2022 15:25	JM
Nickel	BRL	0.0400		mg/L	337813	1	06/15/2022 15:25	JM
Selenium	BRL	0.0500		mg/L	337813	1	06/15/2022 15:25	JM
Silver	BRL	0.00500		mg/L	337813	1	06/15/2022 15:25	JM
Thallium	BRL	0.00200		mg/L	337813	1	06/15/2022 15:25	JM
Tin	BRL	0.0400		mg/L	337813	1	06/15/2022 15:25	JM
Vanadium	BRL	0.0500		mg/L	337813	1	06/15/2022 15:25	JM
Zinc	BRL	0.0200		mg/L	337813	1	06/15/2022 15:25	JM

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: 2206B25-056

Client Sample ID: TRIP BLANK 2
Collection Date: 6/8/2022
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	337775	1	06/10/2022 18:45	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
1,1-Dichloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
1,1-Dichloroethene	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
1,1-Dichloropropene	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	337775	1	06/10/2022 18:45	OM
1,2-Dibromoethane	BRL	1.0		ug/L	337775	1	06/10/2022 18:45	OM
1,2-Dichlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
1,2-Dichloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
1,2-Dichloropropane	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
1,3-Dichlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
1,3-Dichloropropane	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
1,4-Dichlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
2,2-Dichloropropane	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
2-Butanone	BRL	100		ug/L	337775	1	06/10/2022 18:45	OM
2-Hexanone	BRL	50		ug/L	337775	1	06/10/2022 18:45	OM
4-Methyl-2-pentanone	BRL	50		ug/L	337775	1	06/10/2022 18:45	OM
Acetone	BRL	100		ug/L	337775	1	06/10/2022 18:45	OM
Acetonitrile	BRL	200		ug/L	337775	1	06/10/2022 18:45	OM
Acrolein	BRL	50		ug/L	337775	1	06/10/2022 18:45	OM
Acrylonitrile	BRL	50		ug/L	337775	1	06/10/2022 18:45	OM
Allyl Chloride	BRL	100		ug/L	337775	1	06/10/2022 18:45	OM
Benzene	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
Bromochloromethane	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Bromodichloromethane	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Bromoform	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Bromomethane	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Carbon disulfide	BRL	5.0		ug/L	337775	1	06/10/2022 18:45	OM
Carbon tetrachloride	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
Chlorobenzene	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Chloroethane	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
Chloroform	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
Chloromethane	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Chloroprene	BRL	20		ug/L	337775	1	06/10/2022 18:45	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
Dibromochloromethane	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Dibromomethane	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Dichlorodifluoromethane	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Ethyl Methacrylate	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Ethylbenzene	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	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: 2206B25-056

Client Sample ID: TRIP BLANK 2
Collection Date: 6/8/2022
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D							
					(SW5030B)			
Iodomethane	BRL	100		ug/L	337775	1	06/10/2022 18:45	OM
Isobutyl Alcohol	BRL	200		ug/L	337775	1	06/10/2022 18:45	OM
Methyl Methacrylate	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Methylacrylonitrile	BRL	200		ug/L	337775	1	06/10/2022 18:45	OM
Methylene chloride	BRL	5.0		ug/L	337775	1	06/10/2022 18:45	OM
Naphthalene	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Propionitrile	BRL	100		ug/L	337775	1	06/10/2022 18:45	OM
Styrene	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Tetrachloroethene	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
Toluene	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	337775	1	06/10/2022 18:45	OM
Trichloroethene	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
Trichlorofluoromethane	BRL	10		ug/L	337775	1	06/10/2022 18:45	OM
Vinyl acetate	BRL	100		ug/L	337775	1	06/10/2022 18:45	OM
Vinyl chloride	BRL	2.0		ug/L	337775	1	06/10/2022 18:45	OM
Xylenes, Total	BRL	5.0		ug/L	337775	1	06/10/2022 18:45	OM
Surr: 4-Bromofluorobenzene	93.6	75-118		%REC	337775	1	06/10/2022 18:45	OM
Surr: 4-Bromofluorobenzene	95.2	75-118		%REC	337775	1	06/10/2022 18:45	OM
Surr: Dibromofluoromethane	93.7	82.5-121		%REC	337775	1	06/10/2022 18:45	OM
Surr: Dibromofluoromethane	93.8	82.5-121		%REC	337775	1	06/10/2022 18:45	OM
Surr: Toluene-d8	98.3	78.3-118		%REC	337775	1	06/10/2022 18:45	OM
Surr: Toluene-d8	108	78.3-118		%REC	337775	1	06/10/2022 18:45	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

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Atlantic Coast Consulting, Inc.

AES Work Order Number: 2206B25

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 type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
5. Custody seals intact on shipping container?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
6. Temperature blanks present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
10. Sampler name and/or signature on COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
11. Were all samples received within holding time?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
12. TAT marked on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	

13. Cooler 1 Temperature 3.1 °C Cooler 2 Temperature 2.4 °C Cooler 3 Temperature 2.8 °C Cooler 4 Temperature 2.4 °C
 14. Cooler 5 Temperature 2.6 °C Cooler 6 Temperature 2.8 °C Cooler 7 Temperature 3.0 °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). HM 6/9/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
26. 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"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). HM 6/9/22

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
29. Containers meet preservation guidelines?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
30. 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 28-30 (dated initials). HM 6/9/22

Locked

Client: Atlantic Coast Consulting, Inc.
 Project Name: Forsyth County-Hightower Road MSWLF
 Lab Order: 2206B25

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2206B25-001A	GWA-3	6/6/2022 4:20:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-002A	GWA-3	6/7/2022 9:40:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-002A	GWA-3	6/7/2022 9:40:00AM	Groundwater	APPENDIX I METALS		7/8/2022 11:37:00AM	07/08/2022
2206B25-003A	GWC-22	6/6/2022 2:50:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-004A	GWC-22	6/7/2022 9:15:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-004A	GWC-22	6/7/2022 9:15:00AM	Groundwater	APPENDIX I METALS		7/8/2022 11:37:00AM	07/08/2022
2206B25-005A	GWC-23	6/6/2022 12:00:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-006A	GWC-23	6/7/2022 8:55:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-007A	GWC-23A	6/6/2022 1:00:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-008A	GWC-23A	6/7/2022 9:00:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-009A	AMW-4	6/7/2022 11:15:00AM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/11/2022
2206B25-009A	AMW-4	6/7/2022 11:15:00AM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/15/2022
2206B25-010A	AMW-5	6/7/2022 11:35:00AM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/11/2022
2206B25-010A	AMW-5	6/7/2022 11:35:00AM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/15/2022
2206B25-011A	AMW-14	6/7/2022 12:15:00PM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/11/2022
2206B25-011A	AMW-14	6/7/2022 12:15:00PM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/15/2022
2206B25-012A	FIELD BLANK-2	6/8/2022 10:30:00AM	Aqueous	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-012B	FIELD BLANK-2	6/8/2022 10:30:00AM	Aqueous	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-013A	PH1-GWA-4	6/7/2022 3:35:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-013B	PH1-GWA-4	6/7/2022 3:35:00PM	Groundwater	Total Metals by ICP/MS		6/10/2022 10:04:00AM	06/14/2022
2206B25-013C	PH1-GWA-4	6/7/2022 3:35:00PM	Groundwater	ION SCAN			06/11/2022
2206B25-014A	PH1-GWA-4	6/8/2022 9:45:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-014A	PH1-GWA-4	6/8/2022 9:45:00AM	Groundwater	APPENDIX I METALS		7/8/2022 11:37:00AM	07/08/2022
2206B25-014A	PH1-GWA-4	6/8/2022 9:45:00AM	Groundwater	Total Metals by ICP/MS		6/10/2022 10:04:00AM	06/14/2022
2206B25-015A	PH1-GWB-1	6/7/2022 1:15:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-016A	PH1-GWB-1	6/8/2022 9:25:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-017A	PH1-GWC-4	6/6/2022 3:40:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-018A	PH1-GWC-4	6/7/2022 9:30:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-019A	PH1-GWA-3A	6/6/2022 4:00:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022

Client: Atlantic Coast Consulting, Inc.
 Project Name: Forsyth County-Hightower Road MSWLF
 Lab Order: 2206B25

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2206B25-019B	PH1-GWA-3A	6/6/2022 4:00:00PM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-020A	SWC-4B	6/6/2022 1:55:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-021A	GWC-1	6/7/2022 11:20:00AM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-022A	GWC-2	6/7/2022 11:50:00AM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-023A	GWC-3	6/7/2022 12:15:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-024A	GWC-3A	6/7/2022 12:30:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-025A	GWC-9	6/7/2022 1:30:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-026A	GWC-10A	6/7/2022 2:05:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-027A	GWC-10	6/7/2022 2:10:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-028A	GWC-12	6/7/2022 2:50:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-029A	GWC-12A	6/7/2022 2:55:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-030A	GWC-11	6/7/2022 3:20:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		6/10/2022 9:06:00AM	06/10/2022
2206B25-031A	AMW-13	6/7/2022 3:45:00PM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/11/2022
2206B25-031A	AMW-13	6/7/2022 3:45:00PM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/15/2022
2206B25-032A	GWC-1	6/8/2022 9:25:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-033A	GWC-2	6/8/2022 9:35:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-034A	GWC-3A	6/8/2022 9:40:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-034A	GWC-3A	6/8/2022 9:40:00AM	Groundwater	APPENDIX I METALS		7/8/2022 11:37:00AM	07/08/2022
2206B25-035A	GWC-3	6/8/2022 9:45:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-035A	GWC-3	6/8/2022 9:45:00AM	Groundwater	APPENDIX I METALS		7/8/2022 11:37:00AM	07/08/2022
2206B25-036A	GWC-9	6/8/2022 9:55:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-037A	GWC-10A	6/8/2022 10:05:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-038A	GWC-10	6/8/2022 10:10:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-038A	GWC-10	6/8/2022 10:10:00AM	Groundwater	APPENDIX I METALS		7/8/2022 11:37:00AM	07/08/2022
2206B25-039A	GWC-12	6/8/2022 10:15:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-039A	GWC-12	6/8/2022 10:15:00AM	Groundwater	APPENDIX I METALS		7/8/2022 11:37:00AM	07/08/2022
2206B25-040A	GWC-12A	6/8/2022 10:20:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-041A	GWC-11	6/8/2022 10:25:00AM	Groundwater	APPENDIX I METALS		6/10/2022 10:04:00AM	06/14/2022
2206B25-041A	GWC-11	6/8/2022 10:25:00AM	Groundwater	APPENDIX I METALS		7/8/2022 11:37:00AM	07/08/2022

Client: Atlantic Coast Consulting, Inc.
 Project Name: Forsyth County-Hightower Road MSWLF
 Lab Order: 2206B25

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2206B25-042A	AMW-13	6/8/2022 10:40:00AM	Groundwater	APPENDIX I METALS		6/13/2022 6:15:00AM	06/13/2022
2206B25-043A	TRIP BLANK	6/8/2022 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/10/2022
2206B25-043A	TRIP BLANK	6/8/2022 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/13/2022
2206B25-044A	PH1-GWC-3	6/7/2022 9:40:00AM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/11/2022
2206B25-044A	PH1-GWC-3	6/7/2022 9:40:00AM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/15/2022
2206B25-044B	PH1-GWC-3	6/7/2022 9:40:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		6/13/2022 9:43:08AM	06/13/2022
2206B25-044C	PH1-GWC-3	6/7/2022 9:40:00AM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		6/13/2022 9:16:54AM	06/13/2022
2206B25-044C	PH1-GWC-3	6/7/2022 9:40:00AM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		6/13/2022 9:16:54AM	06/14/2022
2206B25-044C	PH1-GWC-3	6/7/2022 9:40:00AM	Groundwater	POLYCHLORINATED BIPHENYLS		6/13/2022 9:16:54AM	06/13/2022
2206B25-044C	PH1-GWC-3	6/7/2022 9:40:00AM	Groundwater	POLYCHLORINATED BIPHENYLS		6/13/2022 9:16:54AM	06/14/2022
2206B25-044C	PH1-GWC-3	6/7/2022 9:40:00AM	Groundwater	CHLORINATED HERBICIDES, APPENDI:		6/13/2022 10:21:04AM	06/14/2022
2206B25-044C	PH1-GWC-3	6/7/2022 9:40:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/14/2022 11:25:02AM	06/29/2022
2206B25-044C	PH1-GWC-3	6/7/2022 9:40:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		6/10/2022 10:30:00AM	06/10/2022
2206B25-044C	PH1-GWC-3	6/7/2022 9:40:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		6/10/2022 10:30:00AM	06/13/2022
2206B25-044D	PH1-GWC-3	6/7/2022 9:40:00AM	Groundwater	Cyanide		6/13/2022 3:46:00PM	06/14/2022
2206B25-044E	PH1-GWC-3	6/7/2022 9:40:00AM	Groundwater	Sulfide by SW9030/9034		6/13/2022 9:30:00AM	06/13/2022
2206B25-045A	PH1-GWC-3A	6/7/2022 10:25:00AM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/11/2022
2206B25-045A	PH1-GWC-3A	6/7/2022 10:25:00AM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/15/2022
2206B25-045B	PH1-GWC-3A	6/7/2022 10:25:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		6/13/2022 9:43:08AM	06/13/2022
2206B25-045C	PH1-GWC-3A	6/7/2022 10:25:00AM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		6/13/2022 9:16:54AM	06/13/2022
2206B25-045C	PH1-GWC-3A	6/7/2022 10:25:00AM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		6/13/2022 9:16:54AM	06/14/2022
2206B25-045C	PH1-GWC-3A	6/7/2022 10:25:00AM	Groundwater	POLYCHLORINATED BIPHENYLS		6/13/2022 9:16:54AM	06/13/2022
2206B25-045C	PH1-GWC-3A	6/7/2022 10:25:00AM	Groundwater	CHLORINATED HERBICIDES, APPENDI:		6/13/2022 10:21:04AM	06/14/2022
2206B25-045C	PH1-GWC-3A	6/7/2022 10:25:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/14/2022 11:25:02AM	06/29/2022
2206B25-045C	PH1-GWC-3A	6/7/2022 10:25:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		6/10/2022 10:30:00AM	06/10/2022
2206B25-045C	PH1-GWC-3A	6/7/2022 10:25:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		6/10/2022 10:30:00AM	06/13/2022
2206B25-045D	PH1-GWC-3A	6/7/2022 10:25:00AM	Groundwater	Cyanide		6/13/2022 3:46:00PM	06/14/2022
2206B25-045E	PH1-GWC-3A	6/7/2022 10:25:00AM	Groundwater	Sulfide by SW9030/9034		6/13/2022 9:30:00AM	06/13/2022
2206B25-046A	GWC-24	6/7/2022 3:55:00PM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/11/2022

Client: Atlantic Coast Consulting, Inc.
 Project Name: Forsyth County-Hightower Road MSWLF
 Lab Order: 2206B25

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2206B25-046A	GWC-24	6/7/2022 3:55:00PM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/15/2022
2206B25-046B	GWC-24	6/7/2022 3:55:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		6/13/2022 9:43:08AM	06/13/2022
2206B25-046C	GWC-24	6/7/2022 3:55:00PM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		6/13/2022 9:16:54AM	06/13/2022
2206B25-046C	GWC-24	6/7/2022 3:55:00PM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		6/13/2022 9:16:54AM	06/14/2022
2206B25-046C	GWC-24	6/7/2022 3:55:00PM	Groundwater	POLYCHLORINATED BIPHENYLS		6/13/2022 9:16:54AM	06/13/2022
2206B25-046C	GWC-24	6/7/2022 3:55:00PM	Groundwater	CHLORINATED HERBICIDES, APPENDI:		6/13/2022 10:21:04AM	06/14/2022
2206B25-046C	GWC-24	6/7/2022 3:55:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/14/2022 11:25:02AM	06/29/2022
2206B25-046C	GWC-24	6/7/2022 3:55:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		6/10/2022 10:30:00AM	06/10/2022
2206B25-046C	GWC-24	6/7/2022 3:55:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		6/10/2022 10:30:00AM	06/13/2022
2206B25-046D	GWC-24	6/7/2022 3:55:00PM	Groundwater	Cyanide		6/13/2022 3:46:00PM	06/14/2022
2206B25-046E	GWC-24	6/7/2022 3:55:00PM	Groundwater	Sulfide by SW9030/9034		6/13/2022 9:30:00AM	06/13/2022
2206B25-047A	PH1-GWC-3	6/8/2022 9:10:00AM	Groundwater	APPENDIX II METALS		6/13/2022 6:15:00AM	06/13/2022
2206B25-047A	PH1-GWC-3	6/8/2022 9:10:00AM	Groundwater	APPENDIX II METALS		7/8/2022 11:37:00AM	07/08/2022
2206B25-047A	PH1-GWC-3	6/8/2022 9:10:00AM	Groundwater	TOTAL MERCURY		6/13/2022 10:37:00AM	06/13/2022
2206B25-048A	PH1-GWC-3A	6/8/2022 9:15:00AM	Groundwater	APPENDIX II METALS		6/13/2022 6:15:00AM	06/13/2022
2206B25-048A	PH1-GWC-3A	6/8/2022 9:15:00AM	Groundwater	TOTAL MERCURY		6/13/2022 10:37:00AM	06/13/2022
2206B25-049A	GWC-24	6/8/2022 10:35:00AM	Groundwater	APPENDIX II METALS		6/13/2022 6:15:00AM	06/13/2022
2206B25-049A	GWC-24	6/8/2022 10:35:00AM	Groundwater	APPENDIX II METALS		7/8/2022 11:37:00AM	07/08/2022
2206B25-049A	GWC-24	6/8/2022 10:35:00AM	Groundwater	TOTAL MERCURY		6/13/2022 10:37:00AM	06/13/2022
2206B25-050A	GWC-18	6/7/2022 10:30:00AM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/11/2022
2206B25-050A	GWC-18	6/7/2022 10:30:00AM	Groundwater	Volatile Organic Compounds by GC/MS		6/10/2022 7:40:00AM	06/15/2022
2206B25-050B	GWC-18	6/7/2022 10:30:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		6/13/2022 9:43:08AM	06/13/2022
2206B25-050C	GWC-18	6/7/2022 10:30:00AM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		6/13/2022 9:16:54AM	06/13/2022
2206B25-050C	GWC-18	6/7/2022 10:30:00AM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		6/13/2022 9:16:54AM	06/14/2022
2206B25-050C	GWC-18	6/7/2022 10:30:00AM	Groundwater	POLYCHLORINATED BIPHENYLS		6/13/2022 9:16:54AM	06/13/2022
2206B25-050C	GWC-18	6/7/2022 10:30:00AM	Groundwater	CHLORINATED HERBICIDES, APPENDI:		6/13/2022 10:21:04AM	06/14/2022
2206B25-050C	GWC-18	6/7/2022 10:30:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/14/2022 11:25:02AM	06/29/2022
2206B25-050C	GWC-18	6/7/2022 10:30:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		6/10/2022 10:30:00AM	06/10/2022
2206B25-050C	GWC-18	6/7/2022 10:30:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		6/10/2022 10:30:00AM	06/13/2022

Client: Atlantic Coast Consulting, Inc.
 Project Name: Forsyth County-Hightower Road MSWLF
 Lab Order: 2206B25

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2206B25-050D	GWC-18	6/7/2022 10:30:00AM	Groundwater	Cyanide		6/13/2022 3:46:00PM	06/14/2022
2206B25-050E	GWC-18	6/7/2022 10:30:00AM	Groundwater	Sulfide by SW9030/9034		6/13/2022 9:30:00AM	06/13/2022
2206B25-051A	GWC-18	6/8/2022 9:05:00AM	Groundwater	APPENDIX II METALS		6/13/2022 6:15:00AM	06/15/2022
2206B25-051A	GWC-18	6/8/2022 9:05:00AM	Groundwater	TOTAL MERCURY		6/13/2022 10:37:00AM	06/13/2022
2206B25-052A	GWC-19R	6/6/2022 1:55:00PM	Groundwater	Volatile Organic Compounds by GC/MS		6/9/2022 7:57:00AM	06/10/2022
2206B25-052B	GWC-19R	6/6/2022 1:55:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		6/13/2022 9:43:08AM	06/13/2022
2206B25-052C	GWC-19R	6/6/2022 1:55:00PM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		6/13/2022 9:16:54AM	06/13/2022
2206B25-052C	GWC-19R	6/6/2022 1:55:00PM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		6/13/2022 9:16:54AM	06/14/2022
2206B25-052C	GWC-19R	6/6/2022 1:55:00PM	Groundwater	POLYCHLORINATED BIPHENYLS		6/13/2022 9:16:54AM	06/13/2022
2206B25-052C	GWC-19R	6/6/2022 1:55:00PM	Groundwater	CHLORINATED HERBICIDES, APPENDI:		6/13/2022 10:21:04AM	06/14/2022
2206B25-052C	GWC-19R	6/6/2022 1:55:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/14/2022 11:25:02AM	06/29/2022
2206B25-052C	GWC-19R	6/6/2022 1:55:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		6/10/2022 10:30:00AM	06/10/2022
2206B25-052C	GWC-19R	6/6/2022 1:55:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		6/10/2022 10:30:00AM	06/13/2022
2206B25-052D	GWC-19R	6/6/2022 1:55:00PM	Groundwater	Cyanide		6/13/2022 3:46:00PM	06/14/2022
2206B25-052E	GWC-19R	6/6/2022 1:55:00PM	Groundwater	Sulfide by SW9030/9034		6/13/2022 9:30:00AM	06/13/2022
2206B25-053A	GWC-19R	6/7/2022 9:10:00AM	Groundwater	APPENDIX II METALS		6/13/2022 6:15:00AM	06/15/2022
2206B25-053A	GWC-19R	6/7/2022 9:10:00AM	Groundwater	TOTAL MERCURY		6/13/2022 10:37:00AM	06/13/2022
2206B25-054A	PH1-GWA-2	6/7/2022 2:05:00PM	Groundwater	Volatile Organic Compounds by GC/MS		6/9/2022 7:57:00AM	06/10/2022
2206B25-054B	PH1-GWA-2	6/7/2022 2:05:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		6/13/2022 9:43:08AM	06/13/2022
2206B25-054C	PH1-GWA-2	6/7/2022 2:05:00PM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		6/13/2022 9:16:54AM	06/13/2022
2206B25-054C	PH1-GWA-2	6/7/2022 2:05:00PM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		6/13/2022 9:16:54AM	06/14/2022
2206B25-054C	PH1-GWA-2	6/7/2022 2:05:00PM	Groundwater	POLYCHLORINATED BIPHENYLS		6/13/2022 9:16:54AM	06/13/2022
2206B25-054C	PH1-GWA-2	6/7/2022 2:05:00PM	Groundwater	CHLORINATED HERBICIDES, APPENDI:		6/13/2022 10:21:04AM	06/14/2022
2206B25-054C	PH1-GWA-2	6/7/2022 2:05:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/14/2022 11:25:02AM	06/29/2022
2206B25-054C	PH1-GWA-2	6/7/2022 2:05:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		6/10/2022 10:30:00AM	06/10/2022
2206B25-054C	PH1-GWA-2	6/7/2022 2:05:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		6/10/2022 10:30:00AM	06/13/2022
2206B25-054D	PH1-GWA-2	6/7/2022 2:05:00PM	Groundwater	Cyanide		6/13/2022 3:46:00PM	06/14/2022
2206B25-054E	PH1-GWA-2	6/7/2022 2:05:00PM	Groundwater	Sulfide by SW9030/9034		6/13/2022 9:30:00AM	06/13/2022
2206B25-055A	PH1-GWA-2	6/8/2022 9:35:00AM	Groundwater	APPENDIX II METALS		6/13/2022 6:15:00AM	06/15/2022

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab Order: 2206B25

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2206B25-055A	PH1-GWA-2	6/8/2022 9:35:00AM	Groundwater	TOTAL MERCURY		6/13/2022 10:37:00AM	06/13/2022
2206B25-056A	TRIP BLANK 2	6/8/2022 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		6/9/2022 7:57:00AM	06/10/2022

Sample pH Adjustment Sheet

AES Sample ID	Sample Volume (mL)	Test(s) Requested	Department	pH Required	pH as Rec.	Preservative Required	Preservative Lot#	Amount Added		pH after Add.	Initials	Date	Time (Military)
								mL of Acid	NaOH Pellets				
2206B25-013B	150	6020_W	METALS	<2	6	HNO3	31277	0.5	-	1	EF	6.10	7:21
Notes:													
Notes:													
Notes:													
Notes:													
Notes:													
Notes:													

CLIENT: Atlantic Coast Consulting, Inc.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I METALS SW6020B

Sample ID MB-337743	SampType: MBLK	Batch ID: 337743	Units: mg/L	Prep Date: 6/10/2022	RunNo: 488502						
Client ID:	TestCode: APPENDIX I METALS	SW6020B		Analysis Date: 6/14/2022	SeqNo: 11371309						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	BRL	0.00600	0	0	0	0	0	0	0	0	
Arsenic	BRL	0.0100	0	0	0	0	0	0	0	0	
Barium	BRL	0.0200	0	0	0	0	0	0	0	0	
Beryllium	BRL	0.00400	0	0	0	0	0	0	0	0	
Cadmium	BRL	0.00500	0	0	0	0	0	0	0	0	
Chromium	BRL	0.0200	0	0	0	0	0	0	0	0	
Cobalt	BRL	0.0500	0	0	0	0	0	0	0	0	
Copper	BRL	0.0200	0	0	0	0	0	0	0	0	
Lead	BRL	0.0100	0	0	0	0	0	0	0	0	
Nickel	BRL	0.0400	0	0	0	0	0	0	0	0	
Selenium	BRL	0.0500	0	0	0	0	0	0	0	0	
Silver	BRL	0.00500	0	0	0	0	0	0	0	0	
Thallium	BRL	0.00200	0	0	0	0	0	0	0	0	
Vanadium	BRL	0.0500	0	0	0	0	0	0	0	0	
Zinc	BRL	0.0200	0	0	0	0	0	0	0	0	

Sample ID MB-337813	SampType: MBLK	Batch ID: 337813	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488560						
Client ID:	TestCode: APPENDIX I METALS	SW6020B		Analysis Date: 6/13/2022	SeqNo: 11371520						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	BRL	0.00600	0	0	0	0	0	0	0	0	
Arsenic	BRL	0.0100	0	0	0	0	0	0	0	0	
Barium	BRL	0.0200	0	0	0	0	0	0	0	0	
Beryllium	BRL	0.00400	0	0	0	0	0	0	0	0	
Cadmium	BRL	0.00500	0	0	0	0	0	0	0	0	
Chromium	BRL	0.0200	0	0	0	0	0	0	0	0	

Qualifiers:

<	Less than Result value	>	Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I METALS SW6020B

Sample ID MB-337813	SampType: MBLK	Batch ID: 337813	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488560						
Client ID:	TestCode: APPENDIX I METALS	SW6020B		Analysis Date: 6/13/2022	SeqNo: 11371520						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	BRL	0.0500	0	0	0	0	0	0	0	0	
Copper	BRL	0.0200	0	0	0	0	0	0	0	0	
Lead	BRL	0.0100	0	0	0	0	0	0	0	0	
Nickel	BRL	0.0400	0	0	0	0	0	0	0	0	
Selenium	BRL	0.0500	0	0	0	0	0	0	0	0	
Silver	BRL	0.00500	0	0	0	0	0	0	0	0	
Thallium	BRL	0.00200	0	0	0	0	0	0	0	0	
Vanadium	BRL	0.0500	0	0	0	0	0	0	0	0	
Zinc	BRL	0.0200	0	0	0	0	0	0	0	0	

Sample ID MB-339318	SampType: MBLK	Batch ID: 339318	Units: mg/L	Prep Date: 7/8/2022	RunNo: 490804						
Client ID:	TestCode: APPENDIX I METALS	SW6020B		Analysis Date: 7/8/2022	SeqNo: 11443096						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	BRL	0.0200	0	0	0	0	0	0	0	0	

Sample ID LCS-337743	SampType: LCS	Batch ID: 337743	Units: mg/L	Prep Date: 6/10/2022	RunNo: 488502						
Client ID:	TestCode: APPENDIX I METALS	SW6020B		Analysis Date: 6/14/2022	SeqNo: 11371310						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.09625	0.00600	0.1	0	96.3	80	120	0	0		
Arsenic	0.08846	0.0100	0.1	0	88.5	80	120	0	0		
Barium	0.09261	0.0200	0.1	0	92.6	80	120	0	0		
Beryllium	0.0905	0.00400	0.1	0	90.5	80	120	0	0		
Cadmium	0.09995	0.00500	0.1	0	100	80	120	0	0		
Chromium	0.09531	0.0200	0.1	0	95.3	80	120	0	0		
Cobalt	0.08872	0.0500	0.1	0	88.7	80	120	0	0		
Copper	0.09203	0.0200	0.1	0	92	80	120	0	0		

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I METALS SW6020B

Sample ID LCS-337743	SampType: LCS	Batch ID: 337743	Units: mg/L	Prep Date: 6/10/2022	RunNo: 488502						
Client ID:	TestCode: APPENDIX I METALS	SW6020B		Analysis Date: 6/14/2022	SeqNo: 11371310						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.1076	0.0100	0.1	0	108	80	120	0	0		
Nickel	0.09081	0.0400	0.1	0	90.8	80	120	0	0		
Selenium	0.09036	0.0500	0.1	0	90.4	80	120	0	0		
Silver	0.0101	0.00500	0.01	0	101	80	120	0	0		
Thallium	0.109	0.00200	0.1	0	109	80	120	0	0		
Vanadium	0.09314	0.0500	0.1	0	93.1	80	120	0	0		
Zinc	0.09251	0.0200	0.1	0	92.5	80	120	0	0		

Sample ID LCS-337813	SampType: LCS	Batch ID: 337813	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488560						
Client ID:	TestCode: APPENDIX I METALS	SW6020B		Analysis Date: 6/13/2022	SeqNo: 11371521						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.09834	0.00600	0.1	0	98.3	80	120	0	0		
Arsenic	0.105	0.0100	0.1	0	105	80	120	0	0		
Barium	0.1036	0.0200	0.1	0	104	80	120	0	0		
Cadmium	0.09703	0.00500	0.1	0	97	80	120	0	0		
Chromium	0.1103	0.0200	0.1	0	110	80	120	0	0		
Cobalt	0.1112	0.0500	0.1	0	111	80	120	0	0		
Copper	0.106	0.0200	0.1	0	106	80	120	0	0		
Lead	0.107	0.0100	0.1	0	107	80	120	0	0		
Nickel	0.1089	0.0400	0.1	0	109	80	120	0	0		
Selenium	0.09845	0.0500	0.1	0	98.4	80	120	0	0		
Silver	0.009386	0.00500	0.01	0	93.9	80	120	0	0		
Thallium	0.1046	0.00200	0.1	0	105	80	120	0	0		
Vanadium	0.1086	0.0500	0.1	0	109	80	120	0	0		

Qualifiers:	<	Less than Result value	>	Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I METALS SW6020B

Sample ID LCS-337813	SampType: LCS	Batch ID: 337813	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488560						
Client ID:	TestCode: APPENDIX I METALS SW6020B	Analysis Date: 6/15/2022	SeqNo: 11375597								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.1009	0.00400	0.1	0	101	80	120	0	0		
Zinc	0.1013	0.0200	0.1	0	101	80	120	0	0		

Sample ID LCS-339318	SampType: LCS	Batch ID: 339318	Units: mg/L	Prep Date: 7/8/2022	RunNo: 490804						
Client ID:	TestCode: APPENDIX I METALS SW6020B	Analysis Date: 7/8/2022	SeqNo: 11443098								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	0.09806	0.0200	0.1	0	98.1	80	120	0	0		

Sample ID 2206B25-012BMS	SampType: MS	Batch ID: 337743	Units: mg/L	Prep Date: 6/10/2022	RunNo: 488502						
Client ID: FIELD BLANK-2	TestCode: APPENDIX I METALS SW6020B	Analysis Date: 6/14/2022	SeqNo: 11371312								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.09457	0.00600	0.1	0	94.6	75	125	0	0		
Arsenic	0.08753	0.0100	0.1	0	87.5	75	125	0	0		
Barium	0.09414	0.0200	0.1	0.0004896	93.7	75	125	0	0		
Beryllium	0.09039	0.00400	0.1	0	90.4	75	125	0	0		
Cadmium	0.09839	0.00500	0.1	0	98.4	75	125	0	0		
Chromium	0.09335	0.0200	0.1	0	93.3	75	125	0	0		
Cobalt	0.08747	0.0500	0.1	0	87.5	75	125	0	0		
Copper	0.09243	0.0200	0.1	0	92.4	75	125	0	0		
Lead	0.106	0.0100	0.1	0	106	75	125	0	0		
Nickel	0.08954	0.0400	0.1	0	89.5	75	125	0	0		
Selenium	0.08646	0.0500	0.1	0	86.5	75	125	0	0		
Silver	0.009854	0.00500	0.01	0	98.5	75	125	0	0		
Thallium	0.1067	0.00200	0.1	0	107	75	125	0	0		
Vanadium	0.09159	0.0500	0.1	0	91.6	75	125	0	0		
Zinc	0.09417	0.0200	0.1	0	94.2	75	125	0	0		

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I METALS SW6020B

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206910-001BMS	MS	337813	mg/L	6/13/2022	488560						
Client ID:	TestCode:	SW6020B				Analysis Date:	SeqNo:				
	APPENDIX I METALS	SW6020B				6/13/2022	11371523				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.09433	0.00600	0.1	0	94.3	75	125	0	0		
Arsenic	0.1003	0.0100	0.1	0	100	75	125	0	0		
Barium	0.1917	0.0200	0.1	0.1519	39.8	75	125	0	0		S
Beryllium	0.113	0.00400	0.1	0.0001714	113	75	125	0	0		
Cadmium	0.09109	0.00500	0.1	0.0001166	91	75	125	0	0		
Chromium	0.1073	0.0200	0.1	0.01062	96.7	75	125	0	0		
Cobalt	0.1048	0.0500	0.1	0.0003852	104	75	125	0	0		
Copper	0.1037	0.0200	0.1	0.005619	98.1	75	125	0	0		
Lead	0.1054	0.0100	0.1	0	105	75	125	0	0		
Nickel	0.1059	0.0400	0.1	0.003003	103	75	125	0	0		
Selenium	0.09305	0.0500	0.1	0	93	75	125	0	0		
Silver	0.009026	0.00500	0.01	0	90.3	75	125	0	0		
Thallium	0.1046	0.00200	0.1	0.000769	104	75	125	0	0		
Vanadium	0.106	0.0500	0.1	0.003746	102	75	125	0	0		
Zinc	0.151	0.0200	0.1	0.06214	88.9	75	125	0	0		

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206B25-002AMS	MS	339318	mg/L	7/8/2022	490804						
Client ID:	TestCode:	SW6020B				Analysis Date:	SeqNo:				
GWA-3	APPENDIX I METALS	SW6020B				7/8/2022	11443100				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	0.1079	0.0200	0.1	0.006733	101	75	125	0	0		

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206B25-012BMSD	MSD	337743	mg/L	6/10/2022	488502						
Client ID:	TestCode:	SW6020B				Analysis Date:	SeqNo:				
FIELD BLANK-2	APPENDIX I METALS	SW6020B				6/14/2022	11371313				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.09503	0.00600	0.1	0	95	75	125	0.09457	0.480	20	
Arsenic	0.08579	0.0100	0.1	0	85.8	75	125	0.08753	2.01	20	

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I METALS SW6020B

Sample ID 2206B25-012BMSD		SampType: MSD		Batch ID: 337743		Units: mg/L		Prep Date: 6/10/2022		RunNo: 488502	
Client ID: FIELD BLANK-2		TestCode: APPENDIX I METALS		SW6020B		Analysis Date: 6/14/2022		SeqNo: 11371313			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.09497	0.0200	0.1	0.0004896	94.5	75	125	0.09414	0.875	20	
Beryllium	0.09038	0.00400	0.1	0	90.4	75	125	0.09039	0.0208	20	
Cadmium	0.09768	0.00500	0.1	0	97.7	75	125	0.09839	0.722	20	
Chromium	0.09354	0.0200	0.1	0	93.5	75	125	0.09335	0.210	20	
Cobalt	0.08846	0.0500	0.1	0	88.5	75	125	0.08747	1.13	20	
Copper	0.09115	0.0200	0.1	0	91.1	75	125	0.09243	1.39	20	
Lead	0.1069	0.0100	0.1	0	107	75	125	0.106	0.803	20	
Nickel	0.09088	0.0400	0.1	0	90.9	75	125	0.08954	1.49	20	
Selenium	0.08773	0.0500	0.1	0	87.7	75	125	0.08646	1.46	20	
Silver	0.01001	0.00500	0.01	0	100	75	125	0.009854	1.54	20	
Thallium	0.1077	0.00200	0.1	0	108	75	125	0.1067	0.941	20	
Vanadium	0.092	0.0500	0.1	0	92	75	125	0.09159	0.444	20	
Zinc	0.09241	0.0200	0.1	0	92.4	75	125	0.09417	1.88	20	

Sample ID 2206910-001BMSD		SampType: MSD		Batch ID: 337813		Units: mg/L		Prep Date: 6/13/2022		RunNo: 488560	
Client ID:		TestCode: APPENDIX I METALS		SW6020B		Analysis Date: 6/13/2022		SeqNo: 11371524			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.09642	0.00600	0.1	0	96.4	75	125	0.09433	2.19	20	
Arsenic	0.101	0.0100	0.1	0	101	75	125	0.1003	0.717	20	
Barium	0.1958	0.0200	0.1	0.1519	43.9	75	125	0.1917	2.12	20	S
Beryllium	0.1173	0.00400	0.1	0.0001714	117	75	125	0.113	3.72	20	
Cadmium	0.0943	0.00500	0.1	0.0001166	94.2	75	125	0.09109	3.46	20	
Chromium	0.1089	0.0200	0.1	0.01062	98.3	75	125	0.1073	1.50	20	
Cobalt	0.1084	0.0500	0.1	0.0003852	108	75	125	0.1048	3.40	20	
Copper	0.1018	0.0200	0.1	0.005619	96.2	75	125	0.1037	1.83	20	
Lead	0.104	0.0100	0.1	0	104	75	125	0.1054	1.32	20	
Nickel	0.1084	0.0400	0.1	0.003003	105	75	125	0.1059	2.41	20	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I METALS SW6020B

Sample ID 2206910-001BMSD	SampType: MSD	Batch ID: 337813	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488560						
Client ID:	TestCode: APPENDIX I METALS SW6020B	Analysis Date: 6/13/2022	SeqNo: 11371524								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	0.0946	0.0500	0.1	0	94.6	75	125	0.09305	1.66	20	
Silver	0.009512	0.00500	0.01	0	95.1	75	125	0.009026	5.25	20	
Thallium	0.1039	0.00200	0.1	0.000769	103	75	125	0.1046	0.676	20	
Vanadium	0.1085	0.0500	0.1	0.003746	105	75	125	0.106	2.35	20	
Zinc	0.1503	0.0200	0.1	0.06214	88.2	75	125	0.151	0.471	20	

Sample ID 2206B25-002AMSD	SampType: MSD	Batch ID: 339318	Units: mg/L	Prep Date: 7/8/2022	RunNo: 490804						
Client ID: GWA-3	TestCode: APPENDIX I METALS SW6020B	Analysis Date: 7/8/2022	SeqNo: 11443101								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	0.1024	0.0200	0.1	0.006733	95.7	75	125	0.1079	5.28	20	

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX II METALS SW6020B

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
MB-337813	MBLK	337813	mg/L	6/13/2022	488561						
Client ID:	TestCode:	APPENDIX II METALS SW6020B		Analysis Date:	6/13/2022						
					SeqNo: 11371563						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	BRL	0.00600	0	0	0	0	0	0	0	0	
Arsenic	BRL	0.0100	0	0	0	0	0	0	0	0	
Barium	BRL	0.0200	0	0	0	0	0	0	0	0	
Beryllium	BRL	0.00400	0	0	0	0	0	0	0	0	
Cadmium	BRL	0.00500	0	0	0	0	0	0	0	0	
Chromium	BRL	0.0200	0	0	0	0	0	0	0	0	
Cobalt	BRL	0.0500	0	0	0	0	0	0	0	0	
Copper	BRL	0.0200	0	0	0	0	0	0	0	0	
Lead	BRL	0.0100	0	0	0	0	0	0	0	0	
Nickel	BRL	0.0400	0	0	0	0	0	0	0	0	
Selenium	BRL	0.0500	0	0	0	0	0	0	0	0	
Silver	BRL	0.00500	0	0	0	0	0	0	0	0	
Thallium	BRL	0.00200	0	0	0	0	0	0	0	0	
Tin	BRL	0.0400	0	0	0	0	0	0	0	0	
Vanadium	BRL	0.0500	0	0	0	0	0	0	0	0	
Zinc	BRL	0.0200	0	0	0	0	0	0	0	0	

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
MB-339318	MBLK	339318	mg/L	7/8/2022	490805						
Client ID:	TestCode:	APPENDIX II METALS SW6020B		Analysis Date:	7/8/2022						
					SeqNo: 11443135						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	BRL	0.0200	0	0	0	0	0	0	0	0	

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
LCS-337813	LCS	337813	mg/L	6/13/2022	488561						
Client ID:	TestCode:	APPENDIX II METALS SW6020B		Analysis Date:	6/13/2022						
					SeqNo: 11371564						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.09834	0.00600	0.1	0	98.3	80	120	0	0		

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX II METALS SW6020B

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
LCS-337813	LCS	337813	mg/L	6/13/2022	488561						
Client ID:	TestCode:	APPENDIX II METALS SW6020B		Analysis Date:	6/13/2022						
					SeqNo: 11371564						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.105	0.0100	0.1	0	105	80	120	0	0		
Barium	0.1036	0.0200	0.1	0	104	80	120	0	0		
Cadmium	0.09703	0.00500	0.1	0	97	80	120	0	0		
Chromium	0.1103	0.0200	0.1	0	110	80	120	0	0		
Cobalt	0.1112	0.0500	0.1	0	111	80	120	0	0		
Copper	0.106	0.0200	0.1	0	106	80	120	0	0		
Lead	0.107	0.0100	0.1	0	107	80	120	0	0		
Nickel	0.1089	0.0400	0.1	0	109	80	120	0	0		
Selenium	0.09845	0.0500	0.1	0	98.4	80	120	0	0		
Silver	0.009386	0.00500	0.01	0	93.9	80	120	0	0		
Thallium	0.1046	0.00200	0.1	0	105	80	120	0	0		
Tin	0.09851	0.0400	0.1	0	98.5	80	120	0	0		
Vanadium	0.1086	0.0500	0.1	0	109	80	120	0	0		

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
LCS-337813	LCS	337813	mg/L	6/13/2022	488561						
Client ID:	TestCode:	APPENDIX II METALS SW6020B		Analysis Date:	6/15/2022						
					SeqNo: 11375621						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.1009	0.00400	0.1	0	101	80	120	0	0		
Zinc	0.1013	0.0200	0.1	0	101	80	120	0	0		

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
LCS-339318	LCS	339318	mg/L	7/8/2022	490805						
Client ID:	TestCode:	APPENDIX II METALS SW6020B		Analysis Date:	7/8/2022						
					SeqNo: 11443136						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	0.09806	0.0200	0.1	0	98.1	80	120	0	0		

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX II METALS SW6020B

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206910-001BMS	MS	337813	mg/L	6/13/2022	488561						
Client ID:	TestCode:	SW6020B				Analysis Date:	SeqNo:				
GWA-3	APPENDIX II METALS	SW6020B				6/13/2022	11371566				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.09433	0.00600	0.1	0	94.3	75	125	0	0		
Arsenic	0.1003	0.0100	0.1	0	100	75	125	0	0		
Barium	0.1917	0.0200	0.1	0.1519	39.8	75	125	0	0		S
Beryllium	0.113	0.00400	0.1	0.0001714	113	75	125	0	0		
Cadmium	0.09109	0.00500	0.1	0.0001166	91	75	125	0	0		
Chromium	0.1073	0.0200	0.1	0.01062	96.7	75	125	0	0		
Cobalt	0.1048	0.0500	0.1	0.0003852	104	75	125	0	0		
Copper	0.1037	0.0200	0.1	0.005619	98.1	75	125	0	0		
Lead	0.1054	0.0100	0.1	0	105	75	125	0	0		
Nickel	0.1059	0.0400	0.1	0.003003	103	75	125	0	0		
Selenium	0.09305	0.0500	0.1	0	93	75	125	0	0		
Silver	0.009026	0.00500	0.01	0	90.3	75	125	0	0		
Thallium	0.1046	0.00200	0.1	0.000769	104	75	125	0	0		
Tin	0.09451	0.0400	0.1	0	94.5	75	125	0	0		
Vanadium	0.106	0.0500	0.1	0.003746	102	75	125	0	0		
Zinc	0.151	0.0200	0.1	0.06214	88.9	75	125	0	0		

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206B25-002AMS	MS	339318	mg/L	7/8/2022	490805						
Client ID:	TestCode:	SW6020B				Analysis Date:	SeqNo:				
GWA-3	APPENDIX II METALS	SW6020B				7/8/2022	11443138				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	0.1079	0.0200	0.1	0.006733	101	75	125	0	0		

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206910-001BMSD	MSD	337813	mg/L	6/13/2022	488561						
Client ID:	TestCode:	SW6020B				Analysis Date:	SeqNo:				
GWA-3	APPENDIX II METALS	SW6020B				6/13/2022	11371567				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.09642	0.00600	0.1	0	96.4	75	125	0.09433	2.19	20	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX II METALS SW6020B

Sample ID 2206910-001BMSD	SampType: MSD	Batch ID: 337813	Units: mg/L		Prep Date: 6/13/2022	RunNo: 488561						
Client ID:	TestCode: APPENDIX II METALS SW6020B					Analysis Date: 6/13/2022	SeqNo: 11371567					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	0.101	0.0100	0.1	0	101	75	125	0.1003	0.717	20		
Barium	0.1958	0.0200	0.1	0.1519	43.9	75	125	0.1917	2.12	20	S	
Beryllium	0.1173	0.00400	0.1	0.0001714	117	75	125	0.113	3.72	20		
Cadmium	0.0943	0.00500	0.1	0.0001166	94.2	75	125	0.09109	3.46	20		
Chromium	0.1089	0.0200	0.1	0.01062	98.3	75	125	0.1073	1.50	20		
Cobalt	0.1084	0.0500	0.1	0.0003852	108	75	125	0.1048	3.40	20		
Copper	0.1018	0.0200	0.1	0.005619	96.2	75	125	0.1037	1.83	20		
Lead	0.104	0.0100	0.1	0	104	75	125	0.1054	1.32	20		
Nickel	0.1084	0.0400	0.1	0.003003	105	75	125	0.1059	2.41	20		
Selenium	0.0946	0.0500	0.1	0	94.6	75	125	0.09305	1.66	20		
Silver	0.009512	0.00500	0.01	0	95.1	75	125	0.009026	5.25	20		
Thallium	0.1039	0.00200	0.1	0.000769	103	75	125	0.1046	0.676	20		
Tin	0.09875	0.0400	0.1	0	98.8	75	125	0.09451	4.39	20		
Vanadium	0.1085	0.0500	0.1	0.003746	105	75	125	0.106	2.35	20		
Zinc	0.1503	0.0200	0.1	0.06214	88.2	75	125	0.151	0.471	20		

Sample ID 2206B25-002AMSD	SampType: MSD	Batch ID: 339318	Units: mg/L		Prep Date: 7/8/2022	RunNo: 490805						
Client ID: GWA-3	TestCode: APPENDIX II METALS SW6020B					Analysis Date: 7/8/2022	SeqNo: 11443139					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Zinc	0.1024	0.0200	0.1	0.006733	95.7	75	125	0.1079	5.28	20		

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Total Metals by ICP/MS SW6020B

Sample ID MB-337743	SampType: MBLK	Batch ID: 337743	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488501						
Client ID:	TestCode: Total Metals by ICP/MS SW6020B	Analysis Date: 6/14/2022	SeqNo: 11369491								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	BRL	100	0	0	0	0	0	0	0	0	
Potassium	BRL	100	0	0	0	0	0	0	0	0	

Sample ID MB-337813	SampType: MBLK	Batch ID: 337813	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488487						
Client ID:	TestCode: Total Metals by ICP/MS SW6020B	Analysis Date: 6/13/2022	SeqNo: 11371420								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	5.00	0	0	0	0	0	0	0	0	
Barium	BRL	10.0	0	0	0	0	0	0	0	0	
Cadmium	BRL	0.700	0	0	0	0	0	0	0	0	
Chromium	BRL	5.00	0	0	0	0	0	0	0	0	
Lead	BRL	1.00	0	0	0	0	0	0	0	0	
Nickel	BRL	5.00	0	0	0	0	0	0	0	0	
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	
Silver	BRL	1.00	0	0	0	0	0	0	0	0	
Zinc	BRL	10.0	0	0	0	0	0	0	0	0	

Sample ID LCS-337743	SampType: LCS	Batch ID: 337743	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488501						
Client ID:	TestCode: Total Metals by ICP/MS SW6020B	Analysis Date: 6/14/2022	SeqNo: 11369492								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	1020	100	1000	0	102	80	120	0	0	0	
Potassium	1005	100	1000	0	100	80	120	0	0	0	

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Total Metals by ICP/MS SW6020B

Sample ID LCS-337813	SampType: LCS	Batch ID: 337813	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488487						
Client ID:	TestCode: Total Metals by ICP/MS SW6020B	Analysis Date: 6/13/2022	SeqNo: 11371421								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	105	5.00	100	0	105	80	120	0	0		
Barium	103.6	10.0	100	0	104	80	120	0	0		
Cadmium	97.03	0.700	100	0	97	80	120	0	0		
Chromium	110.3	5.00	100	0	110	80	120	0	0		
Lead	107	1.00	100	0	107	80	120	0	0		
Nickel	108.9	5.00	100	0	109	80	120	0	0		
Selenium	98.45	5.00	100	0	98.4	80	120	0	0		
Silver	9.386	1.00	10	0	93.9	80	120	0	0		

Sample ID LCS-337813	SampType: LCS	Batch ID: 337813	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488487						
Client ID:	TestCode: Total Metals by ICP/MS SW6020B	Analysis Date: 6/15/2022	SeqNo: 11376888								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	101.3	10.0	100	0	101	80	120	0	0		

Sample ID 2206B25-012BMS	SampType: MS	Batch ID: 337743	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488501						
Client ID: FIELD BLANK-2	TestCode: Total Metals by ICP/MS SW6020B	Analysis Date: 6/14/2022	SeqNo: 11369494								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	1069	100	1000	42.67	103	75	125	0	0		
Potassium	1050	100	1000	0	105	75	125	0	0		

Sample ID 2206910-001BMS	SampType: MS	Batch ID: 337813	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488487						
Client ID:	TestCode: Total Metals by ICP/MS SW6020B	Analysis Date: 6/13/2022	SeqNo: 11371423								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	100.3	5.00	100	0	100	75	125	0	0		

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Total Metals by ICP/MS SW6020B

Sample ID 2206910-001BMS	SampType: MS	Batch ID: 337813	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488487						
Client ID:	TestCode: Total Metals by ICP/MS SW6020B	Analysis Date: 6/13/2022	SeqNo: 11371423								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	191.7	10.0	100	151.9	39.8	75	125	0	0		S
Cadmium	91.09	0.700	100	0.1166	91	75	125	0	0		
Chromium	107.3	5.00	100	10.62	96.7	75	125	0	0		
Lead	105.4	1.00	100	0	105	75	125	0	0		
Nickel	105.9	5.00	100	3.003	103	75	125	0	0		
Selenium	93.05	5.00	100	0	93	75	125	0	0		
Silver	9.026	1.00	10	0	90.3	75	125	0	0		
Zinc	151	10.0	100	62.14	88.9	75	125	0	0		

Sample ID 2206B25-012BMSD	SampType: MSD	Batch ID: 337743	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488501						
Client ID: FIELD BLANK-2	TestCode: Total Metals by ICP/MS SW6020B	Analysis Date: 6/14/2022	SeqNo: 11369495								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	1042	100	1000	42.67	99.9	75	125	1069	2.52	20	
Potassium	969	100	1000	0	96.9	75	125	1050	8.04	20	

Sample ID 2206910-001BMSD	SampType: MSD	Batch ID: 337813	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488487						
Client ID:	TestCode: Total Metals by ICP/MS SW6020B	Analysis Date: 6/13/2022	SeqNo: 11371424								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	101	5.00	100	0	101	75	125	100.3	0.717	20	
Barium	195.8	10.0	100	151.9	43.9	75	125	191.7	2.12	20	S
Cadmium	94.3	0.700	100	0.1166	94.2	75	125	91.09	3.46	20	
Chromium	108.9	5.00	100	10.62	98.3	75	125	107.3	1.50	20	
Lead	104	1.00	100	0	104	75	125	105.4	1.32	20	
Nickel	108.4	5.00	100	3.003	105	75	125	105.9	2.41	20	
Selenium	94.6	5.00	100	0	94.6	75	125	93.05	1.66	20	
Silver	9.512	1.00	10	0	95.1	75	125	9.026	5.25	20	

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Total Metals by ICP/MS SW6020B

Sample ID	2206910-001BMSD	SampType: MSD	Batch ID: 337813	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488487					
Client ID:		TestCode: Total Metals by ICP/MS	SW6020B		Analysis Date: 6/13/2022	SeqNo: 11371424					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	150.3	10.0	100	62.14	88.2	75	125	151	0.471	20	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Mercury, Total SW7470A

Sample ID MB-337862	SampType: MBLK	Batch ID: 337862	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488363						
Client ID:	TestCode: Mercury, Total SW7470A	Analysis Date: 6/13/2022	SeqNo: 11365087								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	BRL	0.000200	0	0	0	0	0	0	0		

Sample ID LCS-337862	SampType: LCS	Batch ID: 337862	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488363						
Client ID:	TestCode: Mercury, Total SW7470A	Analysis Date: 6/13/2022	SeqNo: 11365088								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.004384	0.000200	0.004	0	110	80	120	0	0		

Sample ID 2206910-001BMS	SampType: MS	Batch ID: 337862	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488363						
Client ID:	TestCode: Mercury, Total SW7470A	Analysis Date: 6/13/2022	SeqNo: 11365091								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.004754	0.000200	0.004	0.000382	109	75	125	0	0		

Sample ID 2206910-001BMSD	SampType: MSD	Batch ID: 337862	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488363						
Client ID:	TestCode: Mercury, Total SW7470A	Analysis Date: 6/13/2022	SeqNo: 11365092								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.004512	0.000200	0.004	0.000382	103	75	125	0.004754	5.22	20	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8

Sample ID MB-337863	SampType: MBLK	Batch ID: 337863	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488583						
Client ID:	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	Analysis Date: 6/13/2022	SeqNo: 11372449								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	BRL	0.0400	0	0	0	0	0	0	0		
1,2-Dibromoethane	BRL	0.0200	0	0	0	0	0	0	0		
Surr: 4-Bromofluorobenzene	5.391	0	5	0	108	69.7	138	0	0		

Sample ID LCS-337863	SampType: LCS	Batch ID: 337863	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488583						
Client ID:	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	Analysis Date: 6/13/2022	SeqNo: 11372450								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	0.138	0.0400	0.1	0	138	60	140	0	0		
1,2-Dibromoethane	0.129	0.0200	0.1	0	129	60	140	0	0		
Surr: 4-Bromofluorobenzene	5.335	0	5	0	107	69.7	138	0	0		

Sample ID LCSD-337863	SampType: LCSD	Batch ID: 337863	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488583						
Client ID:	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	Analysis Date: 6/13/2022	SeqNo: 11372451								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	0.137	0.0400	0.1	0	137	60	140	0.138	0.727	15	
1,2-Dibromoethane	0.116	0.0200	0.1	0	116	60	140	0.129	10.6	16.7	
Surr: 4-Bromofluorobenzene	5.515	0	5	0	110	69.7	138	5.335	0	0	

Sample ID 2206C94-004AMS	SampType: MS	Batch ID: 337863	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488583						
Client ID:	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	Analysis Date: 6/13/2022	SeqNo: 11372470								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	0.1401	0.0406	0.1015	0	138	67.9	135	0	0		S
1,2-Dibromoethane	0.1289	0.0203	0.1015	0	127	67.7	130	0	0		
Surr: 4-Bromofluorobenzene	5.807	0	5.075	0	114	69.7	138	0	0		

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8

Sample ID 2206C94-005ADUP	SampType: DUP	Batch ID: 337863	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488583						
Client ID:	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	Analysis Date: 6/13/2022			SeqNo: 11372643						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	0.1487	0.0402	0	0	0	0	0	0.1474	0.907	0	
1,2-Dibromoethane	BRL	0.0201	0	0	0	0	0	0	0	37.8	
Surr: 4-Bromofluorobenzene	5.729	0	5.024	0	114	69.7	138	5.553	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337561	MBLK	337561	ug/L	6/13/2022	488456						
Client ID:	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B			Analysis Date: 6/13/2022	SeqNo: 11368379						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	BRL	0.10	0	0	0	0	0	0	0	0	
4,4'-DDE	BRL	0.10	0	0	0	0	0	0	0	0	
Aldrin	BRL	0.050	0	0	0	0	0	0	0	0	
alpha-BHC	BRL	0.050	0	0	0	0	0	0	0	0	
beta-BHC	BRL	0.050	0	0	0	0	0	0	0	0	
Chlordane	BRL	0.50	0	0	0	0	0	0	0	0	
delta-BHC	BRL	0.050	0	0	0	0	0	0	0	0	
Dieldrin	BRL	0.10	0	0	0	0	0	0	0	0	
Endosulfan I	BRL	0.050	0	0	0	0	0	0	0	0	
Endosulfan II	BRL	0.10	0	0	0	0	0	0	0	0	
Endosulfan sulfate	BRL	0.10	0	0	0	0	0	0	0	0	
Endrin	BRL	0.10	0	0	0	0	0	0	0	0	
Endrin aldehyde	BRL	0.10	0	0	0	0	0	0	0	0	
gamma-BHC	BRL	0.050	0	0	0	0	0	0	0	0	
Heptachlor epoxide	BRL	0.050	0	0	0	0	0	0	0	0	
Surr: Decachlorobiphenyl	0.3296	0	0.5	0	65.9	27	130	0	0	0	
Surr: Tetrachloro-m-xylene	0.3103	0	0.5	0	62.1	40.1	130	0	0	0	

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337561	MBLK	337561	ug/L	6/13/2022	488520						
Client ID:	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B			Analysis Date: 6/14/2022	SeqNo: 11369892						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	BRL	0.10	0	0	0	0	0	0	0	0	
Heptachlor	BRL	0.050	0	0	0	0	0	0	0	0	
Methoxychlor	BRL	0.50	0	0	0	0	0	0	0	0	
Toxaphene	BRL	3.0	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW

Sample ID LCS-337561	SampType: LCS	Batch ID: 337561	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488456						
Client ID:	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	Analysis Date: 6/13/2022	SeqNo: 11368380								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	0.7104	0.050	1	0	71	60	120	0	0		
Dieldrin	0.8499	0.10	1	0	85	64.7	120	0	0		
Endrin	0.892	0.10	1	0	89.2	66.9	123	0	0		
gamma-BHC	0.7894	0.050	1	0	78.9	70.8	120	0	0		
Surr: Decachlorobiphenyl	0.2443	0	0.5	0	48.9	27	130	0	0		

Sample ID LCS-337561	SampType: LCS	Batch ID: 337561	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488520						
Client ID:	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	Analysis Date: 6/14/2022	SeqNo: 11369893								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.9803	0.10	1	0	98	61.5	125	0	0		
Heptachlor	0.7767	0.050	1	0	77.7	60.6	120	0	0		
Surr: Tetrachloro-m-xylene	0.2131	0	0.5	0	42.6	40.1	130	0	0		

Sample ID 2206B25-045CMS	SampType: MS	Batch ID: 337561	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488456						
Client ID: PH1-GWC-3A	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	Analysis Date: 6/13/2022	SeqNo: 11368403								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	0.5447	0.050	1	0	54.5	46	120	0	0		
Dieldrin	0.7432	0.10	1	0	74.3	45.5	120	0	0		
Endrin	0.804	0.10	1	0	80.4	56.3	131	0	0		
gamma-BHC	0.9539	0.050	1	0	95.4	54.5	120	0	0		
Surr: Decachlorobiphenyl	0.2233	0	0.5	0	44.7	27	130	0	0		
Surr: Tetrachloro-m-xylene	0.2877	0	0.5	0	57.5	40.1	130	0	0		

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW

Sample ID 2206B25-045CMS	SampType: MS	Batch ID: 337561	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488520						
Client ID: PH1-GWC-3A	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	Analysis Date: 6/14/2022	SeqNo: 11371620								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.4987	0.10	1	0	49.9	45.1	127	0	0		
Heptachlor	0.7281	0.050	1	0	72.8	48.7	120	0	0		

Sample ID 2206B25-045CMSD	SampType: MSD	Batch ID: 337561	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488456						
Client ID: PH1-GWC-3A	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	Analysis Date: 6/13/2022	SeqNo: 11368404								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	0.6009	0.050	1	0	60.1	46	120	0.5447	9.82	20.3	
Dieldrin	0.7676	0.10	1	0	76.8	45.5	120	0.7432	3.23	18.8	
Endrin	0.8352	0.10	1	0	83.5	56.3	131	0.804	3.81	33.4	
gamma-BHC	1.019	0.050	1	0	102	54.5	120	0.9539	6.56	18.4	
Surr: Decachlorobiphenyl	0.261	0	0.5	0	52.2	27	130	0.2233	0	0	
Surr: Tetrachloro-m-xylene	0.3026	0	0.5	0	60.5	40.1	130	0.2877	0	0	

Sample ID 2206B25-045CMSD	SampType: MSD	Batch ID: 337561	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488520						
Client ID: PH1-GWC-3A	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	Analysis Date: 6/14/2022	SeqNo: 11371621								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.5589	0.10	1	0	55.9	45.1	127	0.4987	11.4	18.5	
Heptachlor	0.7783	0.050	1	0	77.8	48.7	120	0.7281	6.67	20.2	

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: POLYCHLORINATED BIPHENYLS SW8082A

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337562	MBLK	337562	ug/L	6/13/2022	488453						
Client ID:	TestCode:	POLYCHLORINATED BIPHENYLS SW8082A		Analysis Date:	6/13/2022						
					SeqNo: 11367545						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	BRL	0.50	0	0	0	0	0	0	0	0	
Aroclor 1221	BRL	0.50	0	0	0	0	0	0	0	0	
Aroclor 1232	BRL	0.50	0	0	0	0	0	0	0	0	
Aroclor 1242	BRL	0.50	0	0	0	0	0	0	0	0	
Aroclor 1248	BRL	0.50	0	0	0	0	0	0	0	0	
Aroclor 1254	BRL	0.50	0	0	0	0	0	0	0	0	
Aroclor 1260	BRL	0.50	0	0	0	0	0	0	0	0	
Surr: Decachlorobiphenyl	0.4179	0	0.5	0	83.6	30	120	0	0	0	
Surr: Tetrachloro-m-xylene	0.3421	0	0.5	0	68.4	46.5	120	0	0	0	

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
LCS-337562	LCS	337562	ug/L	6/13/2022	488453						
Client ID:	TestCode:	POLYCHLORINATED BIPHENYLS SW8082A		Analysis Date:	6/13/2022						
					SeqNo: 11367565						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.585	0.50	5	0	91.7	73.2	118	0	0	0	
Aroclor 1260	4.788	0.50	5	0	95.8	60	120	0	0	0	
Surr: Decachlorobiphenyl	0.4898	0	0.5	0	98	30	120	0	0	0	
Surr: Tetrachloro-m-xylene	0.3995	0	0.5	0	79.9	46.5	120	0	0	0	

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
2206B25-054CMS	MS	337562	ug/L	6/13/2022	488453						
Client ID: PH1-GWA-2	TestCode:	POLYCHLORINATED BIPHENYLS SW8082A		Analysis Date:	6/14/2022						
					SeqNo: 11367566						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.435	0.50	5	0	88.7	60.4	127	0	0	0	
Aroclor 1260	4.121	0.50	5	0	82.4	51	121	0	0	0	
Surr: Decachlorobiphenyl	0.4002	0	0.5	0	80	30	120	0	0	0	
Surr: Tetrachloro-m-xylene	0.4358	0	0.5	0	87.2	46.5	120	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: POLYCHLORINATED BIPHENYLS SW8082A

Sample ID 2206B25-054CMSD	SampType: MSD	Batch ID: 337562	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488453						
Client ID: PH1-GWA-2	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	Analysis Date: 6/14/2022	SeqNo: 11367567								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.143	0.50	5	0	82.9	60.4	127	4.435	6.83	19	
Aroclor 1260	3.679	0.50	5	0	73.6	51	121	4.121	11.3	20.1	
Surr: Decachlorobiphenyl	0.3163	0	0.5	0	63.3	30	120	0.4002	0	0	
Surr: Tetrachloro-m-xylene	0.3728	0	0.5	0	74.6	46.5	120	0.4358	0	0	

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST S

Sample ID MB-337798	SampType: MBLK	Batch ID: 337798	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488616						
Client ID:	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	Analysis Date: 6/14/2022	SeqNo: 11373309								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	BRL	2.0	0	0	0	0	0	0	0	0	
2,4,5-TP (Silvex)	BRL	2.0	0	0	0	0	0	0	0	0	
2,4-D	BRL	2.0	0	0	0	0	0	0	0	0	
Dinoseb	BRL	5.0	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	1.0	0	0	0	0	0	0	0	0	
Surr: DCAA	3.764	0	5	0	75.3	47	120	0	0	0	

Sample ID LCS-337798	SampType: LCS	Batch ID: 337798	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488616						
Client ID:	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	Analysis Date: 6/14/2022	SeqNo: 11373310								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	3.974	2.0	5	0	79.5	50.1	120	0	0	0	
2,4,5-TP (Silvex)	3.772	2.0	5	0	75.4	50.2	120	0	0	0	
2,4-D	3.69	2.0	5	0	73.8	50.1	120	0	0	0	
Surr: DCAA	3.887	0	5	0	77.7	47	120	0	0	0	

Sample ID 2206C34-001DMS	SampType: MS	Batch ID: 337798	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488616						
Client ID:	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	Analysis Date: 6/14/2022	SeqNo: 11373319								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	3.667	2.0	5	0	73.3	44.9	120	0	0	0	
2,4,5-TP (Silvex)	3.712	2.0	5	0	74.2	45.2	120	0	0	0	
2,4-D	3.819	2.0	5	0	76.4	40	120	0	0	0	
Surr: DCAA	3.696	0	5	0	73.9	47	120	0	0	0	

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST S

Sample ID 2206C34-001DMSD	SampType: MSD	Batch ID: 337798	Units: ug/L	Prep Date: 6/13/2022	RunNo: 488616						
Client ID:	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	Analysis Date: 6/14/2022	SeqNo: 11373320								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	3.545	2.0	5	0	70.9	44.9	120	3.667	3.39	24	
2,4,5-TP (Silvex)	3.595	2.0	5	0	71.9	45.2	120	3.712	3.19	18.9	
2,4-D	3.658	2.0	5	0	73.2	40	120	3.819	4.32	20.7	
Surr: DCAA	3.585	0	5	0	71.7	47	120	3.696	0	0	

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337775	MBLK	337775	ug/L	6/9/2022	488191						
Client ID:	TestCode:	APPENDIX I VOLATILE ORGANICS SW8260D		Analysis Date:	6/9/2022						
					SeqNo: 11359781						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Acrylonitrile	BRL	5.0	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337775	MBLK	337775	ug/L	6/9/2022	488191						
Client ID:	TestCode:	APPENDIX I VOLATILE ORGANICS SW8260D		Analysis Date:	6/9/2022						
					SeqNo: 11359781						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Iodomethane	BRL	10	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	10	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	10	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl acetate	BRL	10	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	
Xylenes, Total	BRL	10	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	45.98	0	50	0	92	75	118	0	0	0	
Surr: Dibromofluoromethane	49.8	0	50	0	99.6	82.5	121	0	0	0	
Surr: Toluene-d8	49.18	0	50	0	98.4	78.3	118	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337894	MBLK	337894	ug/L	6/10/2022	488343						
Client ID:	TestCode:	APPENDIX I VOLATILE ORGANICS SW8260D		Analysis Date:	6/10/2022						
					SeqNo: 11363456						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Acrylonitrile	BRL	5.0	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337894	MBLK	337894	ug/L	6/10/2022	488343						
Client ID:	TestCode:	APPENDIX I VOLATILE ORGANICS SW8260D		Analysis Date:	6/10/2022						
					SeqNo: 11363456						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Iodomethane	BRL	10	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	10	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	10	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl acetate	BRL	10	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	
Xylenes, Total	BRL	10	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	48.86	0	50	0	97.7	75	118	0	0	0	
Surr: Dibromofluoromethane	50.58	0	50	0	101	82.5	121	0	0	0	
Surr: Toluene-d8	49.12	0	50	0	98.2	78.3	118	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337978	MBLK	337978	ug/L	6/10/2022	488302						
Client ID:	TestCode:	APPENDIX I VOLATILE ORGANICS SW8260D		Analysis Date:	6/10/2022						
					SeqNo: 11367606						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Acrylonitrile	BRL	5.0	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID MB-337978	SampType: MBLK	Batch ID: 337978	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488302						
Client ID:	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D				Analysis Date: 6/10/2022	SeqNo: 11367606					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Iodomethane	BRL	10	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	10	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	10	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl acetate	BRL	10	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	
Xylenes, Total	BRL	10	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	46.56	0	50	0	93.1	75	118	0	0	0	
Surr: Dibromofluoromethane	48.55	0	50	0	97.1	82.5	121	0	0	0	
Surr: Toluene-d8	48.4	0	50	0	96.8	78.3	118	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID LCS-337775	SampType: LCS	Batch ID: 337775	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488191						
Client ID:	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	Analysis Date: 6/9/2022	SeqNo: 11359817								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	47.38	5.0	50	0	94.8	71	130	0	0		
Benzene	50.26	5.0	50	0	101	80.4	126	0	0		
Chlorobenzene	51.43	5.0	50	0	103	81	120	0	0		
Toluene	48.89	5.0	50	0	97.8	79.2	124	0	0		
Trichloroethene	52.13	5.0	50	0	104	78.4	125	0	0		
Surr: 4-Bromofluorobenzene	52.09	0	50	0	104	75	118	0	0		
Surr: Dibromofluoromethane	50.94	0	50	0	102	82.5	121	0	0		
Surr: Toluene-d8	50.38	0	50	0	101	78.3	118	0	0		

Sample ID LCS-337894	SampType: LCS	Batch ID: 337894	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488343						
Client ID:	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	Analysis Date: 6/10/2022	SeqNo: 11363457								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	46.09	5.0	50	0	92.2	71	130	0	0		
Benzene	46.49	5.0	50	0	93	80.4	126	0	0		
Chlorobenzene	47.31	5.0	50	0	94.6	81	120	0	0		
Toluene	46.98	5.0	50	0	94	79.2	124	0	0		
Trichloroethene	49.39	5.0	50	0	98.8	78.4	125	0	0		
Surr: 4-Bromofluorobenzene	49.19	0	50	0	98.4	75	118	0	0		
Surr: Dibromofluoromethane	48.84	0	50	0	97.7	82.5	121	0	0		
Surr: Toluene-d8	49.61	0	50	0	99.2	78.3	118	0	0		

Sample ID LCS-337978	SampType: LCS	Batch ID: 337978	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488302						
Client ID:	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	Analysis Date: 6/10/2022	SeqNo: 11367772								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	51.88	5.0	50	0	104	71	130	0	0		
Benzene	54.04	5.0	50	0	108	80.4	126	0	0		

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID LCS-337978	SampType: LCS	Batch ID: 337978	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488302						
Client ID:	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	Analysis Date: 6/10/2022	SeqNo: 11367772								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	53.31	5.0	50	0	107	81	120	0	0		
Toluene	53	5.0	50	0	106	79.2	124	0	0		
Trichloroethene	55.57	5.0	50	0	111	78.4	125	0	0		
Surr: 4-Bromofluorobenzene	51.99	0	50	0	104	75	118	0	0		
Surr: Dibromofluoromethane	52.48	0	50	0	105	82.5	121	0	0		
Surr: Toluene-d8	51.36	0	50	0	103	78.3	118	0	0		

Sample ID 2206714-010AMS	SampType: MS	Batch ID: 337775	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488191						
Client ID:	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	Analysis Date: 6/10/2022	SeqNo: 11364808								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.4	5.0	20	0	102	67.6	143	0	0		
Benzene	21.39	5.0	20	0	107	70.5	136	0	0		
Chlorobenzene	21.23	5.0	20	0	106	77.1	133	0	0		
Toluene	21.08	5.0	20	0	105	66.4	140	0	0		
Trichloroethene	22.46	5.0	20	0	112	75.1	140	0	0		
Surr: 4-Bromofluorobenzene	50.91	0	50	0	102	75	118	0	0		
Surr: Dibromofluoromethane	50.03	0	50	0	100	82.5	121	0	0		
Surr: Toluene-d8	50.56	0	50	0	101	78.3	118	0	0		

Sample ID 2206158-002AMS	SampType: MS	Batch ID: 337978	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488302						
Client ID:	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	Analysis Date: 6/14/2022	SeqNo: 11374619								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22.17	5.0	20	0	111	67.6	143	0	0		
Benzene	25.36	5.0	20	2.54	114	70.5	136	0	0		
Chlorobenzene	26.97	5.0	20	6.06	105	77.1	133	0	0		
Toluene	21.96	5.0	20	0	110	66.4	140	0	0		

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID 2206158-002AMS	SampType: MS	Batch ID: 337978	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488302						
Client ID:	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	Analysis Date: 6/14/2022	SeqNo: 11374619								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	23.2	5.0	20	0	116	75.1	140	0	0		
Surr: 4-Bromofluorobenzene	51.24	0	50	0	102	75	118	0	0		
Surr: Dibromofluoromethane	50.75	0	50	0	102	82.5	121	0	0		
Surr: Toluene-d8	51.55	0	50	0	103	78.3	118	0	0		

Sample ID 2206B25-020AMS	SampType: MS	Batch ID: 337894	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488723						
Client ID: SWC-4B	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	Analysis Date: 6/16/2022	SeqNo: 11381224								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22.07	5.0	20	0	110	67.6	143	0	0		
Benzene	21.29	5.0	20	0	106	70.5	136	0	0		
Chlorobenzene	21.93	5.0	20	0	110	77.1	133	0	0		
Toluene	21.9	5.0	20	0	110	66.4	140	0	0		
Trichloroethene	21.99	5.0	20	0	110	75.1	140	0	0		
Surr: 4-Bromofluorobenzene	47.41	0	50	0	94.8	75	118	0	0		
Surr: Dibromofluoromethane	46.46	0	50	0	92.9	82.5	121	0	0		
Surr: Toluene-d8	48.53	0	50	0	97.1	78.3	118	0	0		

Sample ID 2206714-008ADUP	SampType: DUP	Batch ID: 337775	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488191						
Client ID:	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	Analysis Date: 6/10/2022	SeqNo: 11367628								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,1-Dichloroethane	6.01	5.0	0	0	0	0	0	5.95	1.00	20	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	20	

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206714-008ADUP	DUP	337775	ug/L	6/9/2022	488191						
Client ID:	TestCode:	APPENDIX I VOLATILE ORGANICS SW8260D		Analysis Date:	SeqNo:						
				6/10/2022	11367628						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	20	
1,4-Dichlorobenzene	6.75	5.0	0	0	0	0	0	6.87	1.76	20	
2-Butanone	BRL	50	0	0	0	0	0	0	0	20	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	20	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	20	
Acetone	BRL	50	0	0	0	0	0	0	0	20	
Acrylonitrile	BRL	5.0	0	0	0	0	0	0	0	20	
Benzene	BRL	5.0	0	0	0	0	0	2.35	0	20	
Bromochloromethane	BRL	5.0	0	0	0	0	0	0	0	20	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	20	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	20	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	20	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	20	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	20	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0.5	0	20	
Chloroethane	BRL	10	0	0	0	0	0	0	0	20	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	20	
Chloromethane	BRL	10	0	0	0	0	0	0	0	20	
cis-1,2-Dichloroethene	10.64	5.0	0	0	0	0	0	10.31	3.15	20	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	20	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	20	
Dibromomethane	BRL	5.0	0	0	0	0	0	0	0	20	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	20	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206714-008ADUP	DUP	337775	ug/L	6/9/2022	488191						
Client ID:	TestCode:	APPENDIX I VOLATILE ORGANICS SW8260D		Analysis Date:	SeqNo:						
				6/10/2022	11367628						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iodomethane	BRL	10	0	0	0	0	0	0	0	20	
m,p-Xylene	BRL	10	0	0	0	0	0	0	0	20	
Methylene chloride	75.67	5.0	0	0	0	0	0	79.27	4.65	20	
o-Xylene	BRL	10	0	0	0	0	0	2.93	0	20	
Styrene	BRL	5.0	0	0	0	0	0	0	0	20	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	2.14	0	20	
Toluene	BRL	5.0	0	0	0	0	0	0	0	20	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	20	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	20	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	20	
Trichloroethene	BRL	5.0	0	0	0	0	0	2.65	0	20	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	2.06	0	20	
Vinyl acetate	BRL	10	0	0	0	0	0	0	0	20	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	20	
Xylenes, Total	BRL	10	0	0	0	0	0	2.93	0	20	
Surr: 4-Bromofluorobenzene	47.42	0	50	0	94.8	75	118	47.69	0	0	
Surr: Dibromofluoromethane	47.39	0	50	0	94.8	82.5	121	47.65	0	0	
Surr: Toluene-d8	48.6	0	50	0	97.2	78.3	118	48.87	0	0	

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206158-001ADUP	DUP	337978	ug/L	6/10/2022	488302						
Client ID:	TestCode:	APPENDIX I VOLATILE ORGANICS SW8260D		Analysis Date:	SeqNo:						
				6/14/2022	11374618						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	20	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206158-001ADUP	DUP	337978	ug/L	6/10/2022	488302						
Client ID:	TestCode:	APPENDIX I VOLATILE ORGANICS SW8260D		Analysis Date:	SeqNo:						
				6/14/2022	11374618						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	20	
1,2,3-Trichloropropane	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	20	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	1.71	0	20	
2-Butanone	BRL	50	0	0	0	0	0	0	0	20	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	20	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	20	
Acetone	BRL	50	0	0	0	0	0	0	0	20	
Acrylonitrile	BRL	5.0	0	0	0	0	0	0	0	20	
Benzene	BRL	5.0	0	0	0	0	0	2.15	0	20	
Bromochloromethane	BRL	5.0	0	0	0	0	0	0	0	20	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	20	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	20	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	20	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	20	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	20	
Chlorobenzene	BRL	5.0	0	0	0	0	0	4.86	0	20	
Chloroethane	BRL	10	0	0	0	0	0	0	0	20	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	20	
Chloromethane	BRL	10	0	0	0	0	0	0	0	20	
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	1.86	0	20	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	20	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	20	
Dibromomethane	BRL	5.0	0	0	0	0	0	0	0	20	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206158-001ADUP	DUP	337978	ug/L	6/10/2022	488302						
Client ID:	TestCode:	APPENDIX I VOLATILE ORGANICS SW8260D		Analysis Date:	SeqNo:						
				6/14/2022	11374618						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	20	
Iodomethane	BRL	10	0	0	0	0	0	0	0	20	
m,p-Xylene	BRL	10	0	0	0	0	0	0	0	20	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	20	
o-Xylene	BRL	10	0	0	0	0	0	0.29	0	20	
Styrene	BRL	5.0	0	0	0	0	0	0	0	20	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	20	
Toluene	BRL	5.0	0	0	0	0	0	0	0	20	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	20	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	20	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	20	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	20	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	20	
Vinyl acetate	BRL	10	0	0	0	0	0	0	0	20	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	20	
Xylenes, Total	BRL	10	0	0	0	0	0	0	0	20	
Surr: 4-Bromofluorobenzene	47.83	0	50	0	95.7	75	118	46.83	0	0	
Surr: Dibromofluoromethane	49.5	0	50	0	99	82.5	121	45.86	0	0	
Surr: Toluene-d8	48.94	0	50	0	97.9	78.3	118	48.72	0	0	

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206B25-015ADUP	DUP	337894	ug/L	6/10/2022	488723						
Client ID:	TestCode:	APPENDIX I VOLATILE ORGANICS SW8260D		Analysis Date:	SeqNo:						
				6/16/2022	11381223						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	20	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206B25-015ADUP	DUP	337894	ug/L	6/10/2022	488723						
Client ID:	TestCode:	APPENDIX I VOLATILE ORGANICS SW8260D		Analysis Date:	SeqNo:						
				6/16/2022	11381223						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	20	
1,2,3-Trichloropropane	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	20	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	20	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	20	
2-Butanone	BRL	50	0	0	0	0	0	0	0	20	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	20	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	20	
Acetone	BRL	50	0	0	0	0	0	0	0	20	
Acrylonitrile	BRL	5.0	0	0	0	0	0	0	0	20	
Benzene	BRL	5.0	0	0	0	0	0	0	0	20	
Bromochloromethane	BRL	5.0	0	0	0	0	0	0	0	20	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	20	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	20	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	20	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	20	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	20	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	20	
Chloroethane	BRL	10	0	0	0	0	0	0	0	20	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	20	
Chloromethane	BRL	10	0	0	0	0	0	0	0	20	
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	20	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	20	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	20	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: APPENDIX I VOLATILE ORGANICS SW8260D

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206B25-015ADUP	DUP	337894	ug/L	6/10/2022	488723						
Client ID:	TestCode:	APPENDIX I VOLATILE ORGANICS	SW8260D	Analysis Date:	SeqNo: 11381223						
6/16/2022											
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromomethane	BRL	5.0	0	0	0	0	0	0	0	20	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	20	
Iodomethane	BRL	10	0	0	0	0	0	0	0	20	
m,p-Xylene	BRL	10	0	0	0	0	0	0	0	20	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	20	
o-Xylene	BRL	10	0	0	0	0	0	0	0	20	
Styrene	BRL	5.0	0	0	0	0	0	0	0	20	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	20	
Toluene	BRL	5.0	0	0	0	0	0	0	0	20	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	20	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	20	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	20	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	20	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	20	
Vinyl acetate	BRL	10	0	0	0	0	0	0	0	20	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	20	
Xylenes, Total	BRL	10	0	0	0	0	0	0	0	20	
Surr: 4-Bromofluorobenzene	44.98	0	50	0	90	75	118	47.88	0	0	
Surr: Dibromofluoromethane	43.94	0	50	0	87.9	82.5	121	48.08	0	0	
Surr: Toluene-d8	46.77	0	50	0	93.5	78.3	118	49.78	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337775	MBLK	337775	ug/L	6/9/2022	488191						
Client ID:	TestCode:	Volatile Organic Compounds by GC/MS SW8260D		Analysis Date:	6/9/2022						
					SeqNo: 11359818						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	2.0	0	0	0	0	0	0	0	0	
1,1-Dichloropropene	BRL	1.0	0	0	0	0	0	0	0	0	
1,2,3-Trichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	BRL	1.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	1.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethene, Total	BRL	3.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	1.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,3-Dichloropropane	BRL	1.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,4-Dioxane	BRL	150	0	0	0	0	0	0	0	0	
2,2-Dichloropropane	BRL	2.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	10	0	0	0	0	0	0	0	0	
2-Chloroethyl vinyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
2-Chlorotoluene	BRL	1.0	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Chlorotoluene	BRL	1.0	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337775	MBLK	337775	ug/L	6/9/2022	488191						
Client ID:	TestCode:	Volatile Organic Compounds by GC/MS SW8260D		Analysis Date:	6/9/2022						
					SeqNo: 11359818						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	BRL	2.0	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	20	0	0	0	0	0	0	0	0	
Acrolein	BRL	20	0	0	0	0	0	0	0	0	
Acrylonitrile	BRL	5.0	0	0	0	0	0	0	0	0	
Benzene	BRL	1.0	0	0	0	0	0	0	0	0	
Bromobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
Bromochloromethane	BRL	1.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	1.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	1.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	1.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	2.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
Chloroform	BRL	1.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	1.0	0	0	0	0	0	0	0	0	
cis-1,2-Dichloroethene	BRL	1.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	1.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	2.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	1.0	0	0	0	0	0	0	0	0	
Dibromomethane	BRL	1.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	1.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	5.0	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	BRL	1.0	0	0	0	0	0	0	0	0	
Iodomethane	BRL	2.0	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337775	MBLK	337775	ug/L	6/9/2022	488191						
Client ID:	TestCode:	Volatile Organic Compounds by GC/MS SW8260D		Analysis Date:	6/9/2022						
					SeqNo: 11359818						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	BRL	1.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	2.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	1.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	2.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
Naphthalene	BRL	5.0	0	0	0	0	0	0	0	0	
n-Butylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	
n-Propylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	1.0	0	0	0	0	0	0	0	0	
sec-Butylbenzene	BRL	2.0	0	0	0	0	0	0	0	0	
Styrene	BRL	1.0	0	0	0	0	0	0	0	0	
tert-Butylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	1.0	0	0	0	0	0	0	0	0	
Toluene	BRL	1.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	2.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	2.0	0	0	0	0	0	0	0	0	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	1.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	1.0	0	0	0	0	0	0	0	0	
Vinyl acetate	BRL	10	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	1.0	0	0	0	0	0	0	0	0	
Xylenes, Total	BRL	1.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	45.98	0	50	0	92	75	118	0	0	0	
Surr: Dibromofluoromethane	49.8	0	50	0	99.6	82.5	121	0	0	0	
Surr: Toluene-d8	49.18	0	50	0	98.4	78.3	118	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337978	MBLK	337978	ug/L	6/10/2022	488302						
Client ID:	TestCode:	Volatile Organic Compounds by GC/MS SW8260D		Analysis Date:	6/10/2022						
					SeqNo: 11367773						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	2.0	0	0	0	0	0	0	0	0	
1,1-Dichloropropene	BRL	1.0	0	0	0	0	0	0	0	0	
1,2,3-Trichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	BRL	1.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	1.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethene, Total	BRL	3.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	1.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,3-Dichloropropane	BRL	1.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
1,4-Dioxane	BRL	150	0	0	0	0	0	0	0	0	
2,2-Dichloropropane	BRL	2.0	0	0	0	0	0	0	0	0	
2,3-Dimethylbutane/2-Methylpentane	BRL	20	0	0	0	0	0	0	0	0	
2-Butanone	BRL	10	0	0	0	0	0	0	0	0	
2-Chloroethyl vinyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
2-Chlorotoluene	BRL	1.0	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337978	MBLK	337978	ug/L	6/10/2022	488302						
Client ID:	TestCode:	Volatile Organic Compounds by GC/MS SW8260D		Analysis Date:	6/10/2022						
					SeqNo: 11367773						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3-Methylpentane	BRL	10	0	0	0	0	0	0	0	0	
4-Chlorotoluene	BRL	1.0	0	0	0	0	0	0	0	0	
4-Isopropyltoluene	BRL	2.0	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	20	0	0	0	0	0	0	0	0	
Acetonitrile	BRL	100	0	0	0	0	0	0	0	0	
Acrolein	BRL	20	0	0	0	0	0	0	0	0	
Acrylonitrile	BRL	5.0	0	0	0	0	0	0	0	0	
Allyl Chloride	BRL	10	0	0	0	0	0	0	0	0	
Benzene	BRL	1.0	0	0	0	0	0	0	0	0	
Bromobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
Bromochloromethane	BRL	1.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	1.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	1.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	1.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	2.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	1.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	1.0	0	0	0	0	0	0	0	0	
Chloroform	BRL	1.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	1.0	0	0	0	0	0	0	0	0	
Chloroprene	BRL	20	0	0	0	0	0	0	0	0	
cis-1,2-Dichloroethene	BRL	1.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	1.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	2.0	0	0	0	0	0	0	0	0	
Cyclohexanone	BRL	40	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	1.0	0	0	0	0	0	0	0	0	
Dibromomethane	BRL	1.0	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337978	MBLK	337978	ug/L	6/10/2022	488302						
Client ID:	TestCode:	Volatile Organic Compounds by GC/MS SW8260D		Analysis Date:	6/10/2022						
					SeqNo: 11367773						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	BRL	1.0	0	0	0	0	0	0	0	0	
Epichlorohydrin	BRL	20	0	0	0	0	0	0	0	0	
Ethanol	BRL	100	0	0	0	0	0	0	0	0	
Ethyl acetate	BRL	10	0	0	0	0	0	0	0	0	
Ethyl Methacrylate	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	5.0	0	0	0	0	0	0	0	0	
Freon-141B	BRL	10	0	0	0	0	0	0	0	0	
Freon-22	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	BRL	1.0	0	0	0	0	0	0	0	0	
Iodomethane	BRL	2.0	0	0	0	0	0	0	0	0	
Isobutyl Alcohol	BRL	200	0	0	0	0	0	0	0	0	
iso-Butyraldehyde	BRL	10	0	0	0	0	0	0	0	0	
Isopropyl acetate	BRL	10	0	0	0	0	0	0	0	0	
Isopropyl alcohol	BRL	100	0	0	0	0	0	0	0	0	
Isopropyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	1.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	2.0	0	0	0	0	0	0	0	0	
Methyl formate	BRL	100	0	0	0	0	0	0	0	0	
Methyl Methacrylate	BRL	10	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	1.0	0	0	0	0	0	0	0	0	
Methylacrylonitrile	BRL	200	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	2.0	0	0	0	0	0	0	0	0	
Methylcyclopentane	BRL	10	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
n-Amyl acetate	BRL	10	0	0	0	0	0	0	0	0	
Naphthalene	BRL	5.0	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337978	MBLK	337978	ug/L	6/10/2022	488302						
Client ID:	TestCode:	Volatile Organic Compounds by GC/MS SW8260D		Analysis Date:	6/10/2022						
					SeqNo: 11367773						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butyl acetate	BRL	10	0	0	0	0	0	0	0	0	
n-Butylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	
n-Heptane	BRL	10	0	0	0	0	0	0	0	0	
n-Hexane	BRL	10	0	0	0	0	0	0	0	0	
n-Propylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	1.0	0	0	0	0	0	0	0	0	
Pentachloroethane	BRL	10	0	0	0	0	0	0	0	0	
Phosgene	BRL	20	0	0	0	0	0	0	0	0	
Propionitrile	BRL	100	0	0	0	0	0	0	0	0	
sec-Butylbenzene	BRL	2.0	0	0	0	0	0	0	0	0	
Styrene	BRL	1.0	0	0	0	0	0	0	0	0	
tert-Butyl Alcohol	BRL	100	0	0	0	0	0	0	0	0	
tert-Butylbenzene	BRL	1.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	1.0	0	0	0	0	0	0	0	0	
Tetrahydrofuran	BRL	10	0	0	0	0	0	0	0	0	
Toluene	BRL	1.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	2.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	2.0	0	0	0	0	0	0	0	0	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	1.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	1.0	0	0	0	0	0	0	0	0	
Vinyl acetate	BRL	10	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	1.0	0	0	0	0	0	0	0	0	
Xylenes, Total	BRL	1.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	46.56	0	50	0	93.1	75	118	0	0	0	
Surr: Dibromofluoromethane	48.55	0	50	0	97.1	82.5	121	0	0	0	
Surr: Toluene-d8	48.4	0	50	0	96.8	78.3	118	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID MB-337775	SampType: MBLK	Batch ID: 337775	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488191						
Client ID:	TestCode: Volatile Organic Compounds by GC/MS SW8260D	Analysis Date: 6/10/2022	SeqNo: 11368184								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetonitrile	BRL	100	0	0	0	0	0	0	0		
Allyl Chloride	BRL	10	0	0	0	0	0	0	0		
Chloroprene	BRL	20	0	0	0	0	0	0	0		
Ethyl Methacrylate	BRL	10	0	0	0	0	0	0	0		
Isobutyl Alcohol	BRL	200	0	0	0	0	0	0	0		
Methyl Methacrylate	BRL	10	0	0	0	0	0	0	0		
Methylacrylonitrile	BRL	200	0	0	0	0	0	0	0		
Pentachloroethane	BRL	10	0	0	0	0	0	0	0		
Surr: 4-Bromofluorobenzene	47.2	0	50	0	94.4	75	118	0	0		
Surr: Dibromofluoromethane	47.59	0	50	0	95.2	82.5	121	0	0		
Surr: Toluene-d8	53.85	0	50	0	108	78.3	118	0	0		

Sample ID MB-337978	SampType: MBLK	Batch ID: 337978	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488302						
Client ID:	TestCode: Volatile Organic Compounds by GC/MS SW8260D	Analysis Date: 6/10/2022	SeqNo: 11373354								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetonitrile	BRL	100	0	0	0	0	0	0	0		
Allyl Chloride	BRL	10	0	0	0	0	0	0	0		
Chloroprene	BRL	20	0	0	0	0	0	0	0		
Ethyl Methacrylate	BRL	10	0	0	0	0	0	0	0		
Isobutyl Alcohol	BRL	200	0	0	0	0	0	0	0		
Methyl Methacrylate	BRL	10	0	0	0	0	0	0	0		
Methylacrylonitrile	BRL	200	0	0	0	0	0	0	0		
Pentachloroethane	BRL	10	0	0	0	0	0	0	0		
Propionitrile	BRL	100	0	0	0	0	0	0	0		
Surr: 4-Bromofluorobenzene	47.34	0	50	0	94.7	75	118	0	0		
Surr: Dibromofluoromethane	49.51	0	50	0	99	82.5	121	0	0		
Surr: Toluene-d8	53.84	0	50	0	108	78.3	118	0	0		

Qualifiers:	<	Less than Result value	>	Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID LCS-337775	SampType: LCS	Batch ID: 337775	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488191						
Client ID:	TestCode: Volatile Organic Compounds by GC/MS SW8260D	Analysis Date: 6/9/2022	SeqNo: 11359819								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	47.38	2.0	50	0	94.8	71	130	0	0		
Benzene	50.26	1.0	50	0	101	80.4	126	0	0		
Chlorobenzene	51.43	1.0	50	0	103	81	120	0	0		
Toluene	48.89	1.0	50	0	97.8	79.2	124	0	0		
Trichloroethene	52.13	1.0	50	0	104	78.4	125	0	0		
Surr: 4-Bromofluorobenzene	52.09	0	50	0	104	75	118	0	0		
Surr: Dibromofluoromethane	50.94	0	50	0	102	82.5	121	0	0		
Surr: Toluene-d8	50.38	0	50	0	101	78.3	118	0	0		

Sample ID LCS-337978	SampType: LCS	Batch ID: 337978	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488302						
Client ID:	TestCode: Volatile Organic Compounds by GC/MS SW8260D	Analysis Date: 6/10/2022	SeqNo: 11367774								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	51.88	2.0	50	0	104	71	130	0	0		
Benzene	54.04	1.0	50	0	108	80.4	126	0	0		
Chlorobenzene	53.31	1.0	50	0	107	81	120	0	0		
Toluene	53	1.0	50	0	106	79.2	124	0	0		
Trichloroethene	55.57	1.0	50	0	111	78.4	125	0	0		
Surr: 4-Bromofluorobenzene	51.99	0	50	0	104	75	118	0	0		
Surr: Dibromofluoromethane	52.48	0	50	0	105	82.5	121	0	0		
Surr: Toluene-d8	51.36	0	50	0	103	78.3	118	0	0		

Sample ID 2206714-010AMS	SampType: MS	Batch ID: 337775	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488191						
Client ID:	TestCode: Volatile Organic Compounds by GC/MS SW8260D	Analysis Date: 6/10/2022	SeqNo: 11367643								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.4	2.0	20	0	102	67.6	143	0	0		
Benzene	21.39	1.0	20	0	107	70.5	136	0	0		

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID 2206714-010AMS	SampType: MS	Batch ID: 337775	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488191						
Client ID:	TestCode: Volatile Organic Compounds by GC/MS SW8260D	Analysis Date: 6/10/2022	SeqNo: 11367643								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	21.23	1.0	20	0	106	77.1	133	0	0		
Toluene	21.08	1.0	20	0	105	66.4	140	0	0		
Trichloroethene	22.46	1.0	20	0	112	75.1	140	0	0		
Surr: 4-Bromofluorobenzene	50.91	0	50	0	102	75	118	0	0		
Surr: Dibromofluoromethane	50.03	0	50	0	100	82.5	121	0	0		
Surr: Toluene-d8	50.56	0	50	0	101	78.3	118	0	0		

Sample ID 2206158-002AMS	SampType: MS	Batch ID: 337978	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488302						
Client ID:	TestCode: Volatile Organic Compounds by GC/MS SW8260D	Analysis Date: 6/14/2022	SeqNo: 11374633								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22.17	2.0	20	0	111	67.6	143	0	0		
Benzene	25.36	1.0	20	2.54	114	70.5	136	0	0		
Chlorobenzene	26.97	1.0	20	6.06	105	77.1	133	0	0		
Toluene	21.96	1.0	20	0	110	66.4	140	0	0		
Trichloroethene	23.2	1.0	20	0	116	75.1	140	0	0		
Surr: 4-Bromofluorobenzene	51.24	0	50	0	102	75	118	0	0		
Surr: Dibromofluoromethane	50.75	0	50	0	102	82.5	121	0	0		
Surr: Toluene-d8	51.55	0	50	0	103	78.3	118	0	0		

Sample ID 2206714-008ADUP	SampType: DUP	Batch ID: 337775	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488191						
Client ID:	TestCode: Volatile Organic Compounds by GC/MS SW8260D	Analysis Date: 6/10/2022	SeqNo: 11367641								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	1.0	0	0	0	0	0	0	0	30	
1,1,1-Trichloroethane	BRL	1.0	0	0	0	0	0	0	0	30	
1,1,2,2-Tetrachloroethane	BRL	1.0	0	0	0	0	0	0	0	30	
1,1,2-Trichloroethane	BRL	1.0	0	0	0	0	0	0	0	30	

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206714-008ADUP	DUP	337775	ug/L	6/9/2022	488191						
Client ID:	TestCode:	Volatile Organic Compounds by GC/MS SW8260D		Analysis Date:	SeqNo:						
				6/10/2022	11367641						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	6.01	1.0	0	0	0	0	0	5.95	1.00	30	
1,1-Dichloroethene	BRL	2.0	0	0	0	0	0	0	0	30	
1,1-Dichloropropene	BRL	1.0	0	0	0	0	0	0	0	30	
1,2,3-Trichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	30	
1,2,3-Trichloropropane	BRL	1.0	0	0	0	0	0	0	0	30	
1,2,4-Trichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	30	
1,2,4-Trimethylbenzene	BRL	1.0	0	0	0	0	0	0	0	30	
1,2-Dibromo-3-chloropropane	BRL	1.0	0	0	0	0	0	0	0	30	
1,2-Dibromoethane	BRL	1.0	0	0	0	0	0	0	0	30	
1,2-Dichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	30	
1,2-Dichloroethane	BRL	1.0	0	0	0	0	0	0	0	30	
1,2-Dichloroethene, Total	10.64	3.0	0	0	0	0	0	10.31	3.15	30	
1,2-Dichloropropane	BRL	1.0	0	0	0	0	0	0	0	30	
1,3,5-Trimethylbenzene	BRL	1.0	0	0	0	0	0	0	0	30	
1,3-Dichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	30	
1,3-Dichloropropane	BRL	1.0	0	0	0	0	0	0	0	30	
1,4-Dichlorobenzene	6.75	1.0	0	0	0	0	0	6.87	1.76	30	
1,4-Dioxane	BRL	150	0	0	0	0	0	0	0	30	
2,2-Dichloropropane	BRL	2.0	0	0	0	0	0	0	0	30	
2-Butanone	BRL	10	0	0	0	0	0	0	0	30	
2-Chloroethyl vinyl ether	BRL	5.0	0	0	0	0	0	0	0	30	
2-Chlorotoluene	BRL	1.0	0	0	0	0	0	0	0	30	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	30	
4-Chlorotoluene	BRL	1.0	0	0	0	0	0	0	0	30	
4-Isopropyltoluene	BRL	2.0	0	0	0	0	0	0	0	30	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	30	
Acetone	BRL	20	0	0	0	0	0	0	0	30	
Acrolein	BRL	20	0	0	0	0	0	0	0	30	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206714-008ADUP	DUP	337775	ug/L	6/9/2022	488191						
Client ID:	TestCode:	Volatile Organic Compounds by GC/MS SW8260D		Analysis Date:	SeqNo:						
				6/10/2022	11367641						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrylonitrile	BRL	5.0	0	0	0	0	0	0	0	30	
Benzene	2.14	1.0	0	0	0	0	0	2.35	9.35	30	
Bromobenzene	BRL	1.0	0	0	0	0	0	0	0	30	
Bromochloromethane	BRL	1.0	0	0	0	0	0	0	0	30	
Bromodichloromethane	BRL	1.0	0	0	0	0	0	0	0	30	
Bromoform	BRL	1.0	0	0	0	0	0	0	0	30	
Bromomethane	BRL	1.0	0	0	0	0	0	0	0	30	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	30	
Carbon tetrachloride	BRL	2.0	0	0	0	0	0	0	0	30	
Chlorobenzene	BRL	1.0	0	0	0	0	0	0.5	0	30	
Chloroethane	BRL	1.0	0	0	0	0	0	0	0	30	
Chloroform	BRL	1.0	0	0	0	0	0	0	0	30	
Chloromethane	BRL	1.0	0	0	0	0	0	0	0	30	
cis-1,2-Dichloroethene	10.64	1.0	0	0	0	0	0	10.31	3.15	30	
cis-1,3-Dichloropropene	BRL	1.0	0	0	0	0	0	0	0	30	
Cyclohexane	BRL	2.0	0	0	0	0	0	0	0	30	
Dibromochloromethane	BRL	1.0	0	0	0	0	0	0	0	30	
Dibromomethane	BRL	1.0	0	0	0	0	0	0	0	30	
Dichlorodifluoromethane	2.53	1.0	0	0	0	0	0	2.7	6.50	30	
Ethylbenzene	BRL	1.0	0	0	0	0	0	0	0	30	
Freon-113	BRL	5.0	0	0	0	0	0	0	0	30	
Hexachlorobutadiene	BRL	1.0	0	0	0	0	0	0	0	30	
Iodomethane	BRL	2.0	0	0	0	0	0	0	0	30	
Isopropylbenzene	BRL	1.0	0	0	0	0	0	0.53	0	30	
m,p-Xylene	BRL	1.0	0	0	0	0	0	0	0	30	
Methyl acetate	BRL	2.0	0	0	0	0	0	0	0	30	
Methyl tert-butyl ether	1.68	1.0	0	0	0	0	0	1.51	10.7	30	
Methylcyclohexane	BRL	2.0	0	0	0	0	0	0	0	30	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206714-008ADUP	DUP	337775	ug/L	6/9/2022	488191						
Client ID:	TestCode:	Volatile Organic Compounds by GC/MS SW8260D		Analysis Date:	SeqNo:						
				6/10/2022	11367641						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	75.67	5.0	0	0	0	0	0	79.27	4.65	30	
Naphthalene	BRL	5.0	0	0	0	0	0	0	0	30	
n-Butylbenzene	BRL	1.0	0	0	0	0	0	0	0	30	
n-Propylbenzene	BRL	1.0	0	0	0	0	0	0	0	30	
o-Xylene	2.95	1.0	0	0	0	0	0	2.93	0.680	30	
sec-Butylbenzene	BRL	2.0	0	0	0	0	0	0	0	30	
Styrene	BRL	1.0	0	0	0	0	0	0	0	30	
tert-Butylbenzene	BRL	1.0	0	0	0	0	0	0	0	30	
Tetrachloroethene	2.07	1.0	0	0	0	0	0	2.14	3.33	30	
Toluene	BRL	1.0	0	0	0	0	0	0	0	30	
trans-1,2-Dichloroethene	BRL	2.0	0	0	0	0	0	0	0	30	
trans-1,3-Dichloropropene	BRL	2.0	0	0	0	0	0	0	0	30	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	30	
Trichloroethene	2.33	1.0	0	0	0	0	0	2.65	12.9	30	
Trichlorofluoromethane	BRL	1.0	0	0	0	0	0	2.06	0	30	
Vinyl acetate	BRL	10	0	0	0	0	0	0	0	30	
Vinyl chloride	BRL	1.0	0	0	0	0	0	0	0	30	
Xylenes, Total	2.95	1.0	0	0	0	0	0	2.93	0.680	30	
Surr: 4-Bromofluorobenzene	47.42	0	50	0	94.8	75	118	47.69	0	0	
Surr: Dibromofluoromethane	47.39	0	50	0	94.8	82.5	121	47.65	0	0	
Surr: Toluene-d8	48.6	0	50	0	97.2	78.3	118	48.87	0	0	

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206158-001ADUP	DUP	337978	ug/L	6/10/2022	488302						
Client ID:	TestCode:	Volatile Organic Compounds by GC/MS SW8260D		Analysis Date:	SeqNo:						
				6/14/2022	11374631						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	1.0	0	0	0	0	0	0	0	30	
1,1,1-Trichloroethane	BRL	1.0	0	0	0	0	0	0	0	30	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206158-001ADUP	DUP	337978	ug/L	6/10/2022	488302						
Client ID:	TestCode:				Analysis Date:	SeqNo:					
	Volatile Organic Compounds by GC/MS SW8260D				6/14/2022	11374631					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	BRL	1.0	0	0	0	0	0	0	0	30	
1,1,2-Trichloroethane	BRL	1.0	0	0	0	0	0	0	0	30	
1,1-Dichloroethane	BRL	1.0	0	0	0	0	0	0	0	30	
1,1-Dichloroethene	BRL	2.0	0	0	0	0	0	0	0	30	
1,1-Dichloropropene	BRL	1.0	0	0	0	0	0	0	0	30	
1,2,3-Trichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	30	
1,2,3-Trichloropropane	BRL	1.0	0	0	0	0	0	0	0	30	
1,2,4-Trichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	30	
1,2,4-Trimethylbenzene	BRL	1.0	0	0	0	0	0	0	0	30	
1,2-Dibromo-3-chloropropane	BRL	1.0	0	0	0	0	0	0	0	30	
1,2-Dibromoethane	BRL	1.0	0	0	0	0	0	0	0	30	
1,2-Dichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	30	
1,2-Dichloroethane	BRL	1.0	0	0	0	0	0	0	0	30	
1,2-Dichloroethene, Total	BRL	3.0	0	0	0	0	0	1.86	0	30	
1,2-Dichloropropane	BRL	1.0	0	0	0	0	0	0	0	30	
1,3,5-Trimethylbenzene	BRL	1.0	0	0	0	0	0	0	0	30	
1,3-Dichlorobenzene	BRL	1.0	0	0	0	0	0	0	0	30	
1,3-Dichloropropane	BRL	1.0	0	0	0	0	0	0	0	30	
1,4-Dichlorobenzene	1.66	1.0	0	0	0	0	0	1.71	2.97	30	
1,4-Dioxane	BRL	150	0	0	0	0	0	0	0	30	
2,2-Dichloropropane	BRL	2.0	0	0	0	0	0	0	0	30	
2,3-Dimethylbutane/2-Methylpentane	BRL	20	0	0	0	0	0	0	0	30	
2-Butanone	BRL	10	0	0	0	0	0	0	0	30	
2-Chloroethyl vinyl ether	BRL	5.0	0	0	0	0	0	0	0	30	
2-Chlorotoluene	BRL	1.0	0	0	0	0	0	0.57	0	30	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	30	
3-Methylpentane	BRL	10	0	0	0	0	0	0	0	30	
4-Chlorotoluene	BRL	1.0	0	0	0	0	0	0	0	30	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206158-001ADUP	DUP	337978	ug/L	6/10/2022	488302						
Client ID:	TestCode:	Volatile Organic Compounds by GC/MS SW8260D		Analysis Date:	SeqNo:						
				6/14/2022	11374631						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	BRL	2.0	0	0	0	0	0	0	0	30	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	30	
Acetone	BRL	20	0	0	0	0	0	0	0	30	
Acetonitrile	BRL	100	0	0	0	0	0	0	0	30	
Acrolein	BRL	20	0	0	0	0	0	0	0	30	
Acrylonitrile	BRL	5.0	0	0	0	0	0	0	0	30	
Allyl Chloride	BRL	10	0	0	0	0	0	0	0	30	
Benzene	2.15	1.0	0	0	0	0	0	2.15	0	30	
Bromobenzene	BRL	1.0	0	0	0	0	0	0	0	30	
Bromochloromethane	BRL	1.0	0	0	0	0	0	0	0	30	
Bromodichloromethane	BRL	1.0	0	0	0	0	0	0	0	30	
Bromoform	BRL	1.0	0	0	0	0	0	0	0	30	
Bromomethane	BRL	1.0	0	0	0	0	0	0	0	30	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	30	
Carbon tetrachloride	BRL	2.0	0	0	0	0	0	0	0	30	
Chlorobenzene	4.9	1.0	0	0	0	0	0	4.86	0.820	30	
Chloroethane	BRL	1.0	0	0	0	0	0	0	0	30	
Chloroform	BRL	1.0	0	0	0	0	0	0	0	30	
Chloromethane	BRL	1.0	0	0	0	0	0	0	0	30	
Chloroprene	BRL	20	0	0	0	0	0	0	0	30	
cis-1,2-Dichloroethene	2.08	1.0	0	0	0	0	0	1.86	11.2	30	
cis-1,3-Dichloropropene	BRL	1.0	0	0	0	0	0	0	0	30	
Cyclohexane	BRL	2.0	0	0	0	0	0	0	0	30	
Cyclohexanone	BRL	40	0	0	0	0	0	0	0	30	
Dibromochloromethane	BRL	1.0	0	0	0	0	0	0	0	30	
Dibromomethane	BRL	1.0	0	0	0	0	0	0	0	30	
Dichlorodifluoromethane	BRL	1.0	0	0	0	0	0	0	0	30	
Epichlorohydrin	BRL	20	0	0	0	0	0	0	0	30	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID	SampType:	Batch ID:	Units:	Prep Date:	RunNo:						
2206158-001ADUP	DUP	337978	ug/L	6/10/2022	488302						
Client ID:	TestCode:	Volatile Organic Compounds by GC/MS SW8260D		Analysis Date:	SeqNo:						
				6/14/2022	11374631						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethanol	BRL	100	0	0	0	0	0	0	0	30	
Ethyl acetate	BRL	10	0	0	0	0	0	0	0	30	
Ethyl Methacrylate	BRL	10	0	0	0	0	0	0	0	30	
Ethylbenzene	BRL	1.0	0	0	0	0	0	0	0	30	
Freon-113	BRL	5.0	0	0	0	0	0	0	0	30	
Freon-141B	BRL	10	0	0	0	0	0	0	0	30	
Freon-22	BRL	10	0	0	0	0	0	0	0	30	
Hexachlorobutadiene	BRL	1.0	0	0	0	0	0	0	0	30	
Iodomethane	BRL	2.0	0	0	0	0	0	0	0	30	
Isobutyl Alcohol	BRL	200	0	0	0	0	0	0	0	30	
iso-Butyraldehyde	BRL	10	0	0	0	0	0	0	0	30	
Isopropyl acetate	BRL	10	0	0	0	0	0	0	0	30	
Isopropyl alcohol	BRL	100	0	0	0	0	0	0	0	30	
Isopropyl ether	BRL	5.0	0	0	0	0	0	0	0	30	
Isopropylbenzene	BRL	1.0	0	0	0	0	0	0.45	0	30	
m,p-Xylene	BRL	1.0	0	0	0	0	0	0	0	30	
Methyl acetate	BRL	2.0	0	0	0	0	0	0	0	30	
Methyl formate	BRL	100	0	0	0	0	0	0	0	30	
Methyl Methacrylate	BRL	10	0	0	0	0	0	0	0	30	
Methyl tert-butyl ether	BRL	1.0	0	0	0	0	0	0	0	30	
Methylacrylonitrile	BRL	200	0	0	0	0	0	0	0	30	
Methylcyclohexane	BRL	2.0	0	0	0	0	0	0	0	30	
Methylcyclopentane	BRL	10	0	0	0	0	0	0	0	30	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	30	
n-Amyl acetate	BRL	10	0	0	0	0	0	0	0	30	
Naphthalene	BRL	5.0	0	0	0	0	0	0	0	30	
n-Butyl acetate	BRL	10	0	0	0	0	0	0	0	30	
n-Butylbenzene	BRL	1.0	0	0	0	0	0	0	0	30	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Volatile Organic Compounds by GC/MS SW8260D

Sample ID 2206158-001ADUP	SampType: DUP	Batch ID: 337978	Units: ug/L	Prep Date: 6/10/2022	RunNo: 488302						
Client ID:	TestCode: Volatile Organic Compounds by GC/MS SW8260D	Analysis Date: 6/14/2022	SeqNo: 11374631								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Heptane	BRL	10	0	0	0	0	0	0	0	30	
n-Hexane	BRL	10	0	0	0	0	0	0	0	30	
n-Propylbenzene	BRL	1.0	0	0	0	0	0	0.25	0	30	
o-Xylene	BRL	1.0	0	0	0	0	0	0.29	0	30	
Pentachloroethane	BRL	10	0	0	0	0	0	0	0	30	
Phosgene	BRL	20	0	0	0	0	0	0	0	30	
Propionitrile	BRL	100	0	0	0	0	0	0	0	30	
sec-Butylbenzene	BRL	2.0	0	0	0	0	0	0	0	30	
Styrene	BRL	1.0	0	0	0	0	0	0	0	30	
tert-Butyl Alcohol	BRL	100	0	0	0	0	0	0	0	30	
tert-Butylbenzene	BRL	1.0	0	0	0	0	0	0	0	30	
Tetrachloroethene	BRL	1.0	0	0	0	0	0	0	0	30	
Tetrahydrofuran	BRL	10	0	0	0	0	0	0	0	30	
Toluene	BRL	1.0	0	0	0	0	0	0	0	30	
trans-1,2-Dichloroethene	BRL	2.0	0	0	0	0	0	0	0	30	
trans-1,3-Dichloropropene	BRL	2.0	0	0	0	0	0	0	0	30	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	30	
Trichloroethene	BRL	1.0	0	0	0	0	0	0	0	30	
Trichlorofluoromethane	BRL	1.0	0	0	0	0	0	0	0	30	
Vinyl acetate	BRL	10	0	0	0	0	0	0	0	30	
Vinyl chloride	BRL	1.0	0	0	0	0	0	0	0	30	
Xylenes, Total	BRL	1.0	0	0	0	0	0	0	0	30	
Surr: 4-Bromofluorobenzene	47.83	0	50	0	95.7	75	118	46.83	0	0	
Surr: Dibromofluoromethane	49.5	0	50	0	99	82.5	121	45.86	0	0	
Surr: Toluene-d8	48.94	0	50	0	97.9	78.3	118	48.72	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E

Sample ID MB-338060	SampType: MBLK	Batch ID: 338060	Units: ug/L	Prep Date: 6/15/2022	RunNo: 489288						
Client ID:	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	Analysis Date: 6/22/2022	SeqNo: 11395337								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	BRL	0.050	0	0	0	0	0	0	0		
Surr: 4-Terphenyl-d14	1.894	0	2	0	94.7	65.5	137	0	0		

Sample ID MB-338060	SampType: MBLK	Batch ID: 338060	Units: ug/L	Prep Date: 6/14/2022	RunNo: 489611						
Client ID:	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	Analysis Date: 6/24/2022	SeqNo: 11406673								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	BRL	1.0	0	0	0	0	0	0	0		
Hexacholoroethane	BRL	0.50	0	0	0	0	0	0	0		

Sample ID LCS-338060	SampType: LCS	Batch ID: 338060	Units: ug/L	Prep Date: 6/15/2022	RunNo: 489288						
Client ID:	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	Analysis Date: 6/22/2022	SeqNo: 11395338								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	1.443	0.050	2	0	72.1	67.7	129	0	0		
Surr: 4-Terphenyl-d14	1.888	0	2	0	94.4	65.5	137	0	0		

Sample ID LCS-338060	SampType: LCS	Batch ID: 338060	Units: ug/L	Prep Date: 6/14/2022	RunNo: 489611						
Client ID:	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	Analysis Date: 6/24/2022	SeqNo: 11406674								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	1.428	0.50	2	0	71.4	69.7	124	0	0		
Hexacholoroethane	1.489	0.50	2	0	74.4	67.5	120	0	0		

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E

Sample ID 2206E72-001DMS	SampType: MS	Batch ID: 338060	Units: ug/L	Prep Date: 6/15/2022	RunNo: 489288						
Client ID:	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	Analysis Date: 6/22/2022	SeqNo: 11397185								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	1.508	0.050	2	0	75.4	58.3	120	0	0		
Surr: 4-Terphenyl-d14	1.934	0	2	0	96.7	65.5	137	0	0		

Sample ID 2206E72-001DMS	SampType: MS	Batch ID: 338060	Units: ug/L	Prep Date: 6/15/2022	RunNo: 489611						
Client ID:	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	Analysis Date: 6/24/2022	SeqNo: 11406676								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	1.446	0.50	2	0	72.3	59	117	0	0		
Hexacholoroethane	1.473	0.50	2	0	73.7	58.8	120	0	0		

Sample ID 2206E72-001DMSD	SampType: MSD	Batch ID: 338060	Units: ug/L	Prep Date: 6/15/2022	RunNo: 489288						
Client ID:	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	Analysis Date: 6/22/2022	SeqNo: 11397189								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	1.524	0.050	2	0	76.2	58.3	120	1.508	1.04	27.9	
Surr: 4-Terphenyl-d14	1.973	0	2	0	98.6	65.5	137	1.934	0	0	

Sample ID 2206E72-001DMSD	SampType: MSD	Batch ID: 338060	Units: ug/L	Prep Date: 6/15/2022	RunNo: 489611						
Client ID:	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	Analysis Date: 6/24/2022	SeqNo: 11406677								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	1.485	0.50	2	0	74.3	59	117	1.446	2.65	22.6	
Hexacholoroethane	1.515	0.50	2	0	75.8	58.8	120	1.473	2.82	18.7	

Qualifiers:	<	Less than Result value	>	Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID MB-337560	SampType: MBLK	Batch ID: 337560	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488382						
Client ID:	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E			Analysis Date: 6/9/2022	SeqNo: 11364751						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	BRL	10	0	0	0	0	0	0	0	0	
1,2,4,5-Tetrachlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,2-Diphenylhydrazine	BRL	10	0	0	0	0	0	0	0	0	
1,3,5-Trinitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,3-Dinitrobenzene	BRL	20	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,4-Napthoquinone	BRL	10	0	0	0	0	0	0	0	0	
1-Chloronaphthalene	BRL	10	0	0	0	0	0	0	0	0	
1-Methylnaphthalene	BRL	10	0	0	0	0	0	0	0	0	
1-Naphthylamine	BRL	10	0	0	0	0	0	0	0	0	
2,2'-oxybis(1-Chloropropane)	BRL	10	0	0	0	0	0	0	0	0	
2,3,4,6-Tetrachlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,3-Dichloroaniline	BRL	10	0	0	0	0	0	0	0	0	
2,4,5-Trichlorophenol	BRL	25	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dichlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	25	0	0	0	0	0	0	0	0	
2,4-Dinitrotoluene	BRL	10	0	0	0	0	0	0	0	0	
2,6-Dichlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,6-Dinitrotoluene	BRL	10	0	0	0	0	0	0	0	0	
2-Acetylaminofluorene	BRL	20	0	0	0	0	0	0	0	0	
2-Chloronaphthalene	BRL	10	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337560	MBLK	337560	ug/L	6/9/2022	488382						
Client ID:	TestCode:	Semivolatile Org. Comp. by GC/MS SW8270E		Analysis Date:	6/9/2022						
					SeqNo: 11364751						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
2-Naphthylamine	BRL	10	0	0	0	0	0	0	0	0	
2-Nitroaniline	BRL	50	0	0	0	0	0	0	0	0	
2-Nitrophenol	BRL	10	0	0	0	0	0	0	0	0	
2-Picoline	BRL	10	0	0	0	0	0	0	0	0	
3,3'-Dichlorobenzidine	BRL	20	0	0	0	0	0	0	0	0	
3,3'-Dimethoxybenzidine	BRL	10	0	0	0	0	0	0	0	0	
3,3'-Dimethylbenzidine	BRL	20	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
3-Chloroaniline	BRL	10	0	0	0	0	0	0	0	0	
3-Methylcholanthrene	BRL	10	0	0	0	0	0	0	0	0	
3-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
3-Nitroaniline	BRL	25	0	0	0	0	0	0	0	0	
4,6-Dinitro-2-methylphenol	BRL	25	0	0	0	0	0	0	0	0	
4-Aminobiphenyl	BRL	10	0	0	0	0	0	0	0	0	
4-Bromophenyl phenyl ether	BRL	10	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	10	0	0	0	0	0	0	0	0	
4-Chloroaniline	BRL	10	0	0	0	0	0	0	0	0	
4-Chlorophenyl phenyl ether	BRL	10	0	0	0	0	0	0	0	0	
4-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
4-Nitroaniline	BRL	25	0	0	0	0	0	0	0	0	
4-Nitrophenol	BRL	25	0	0	0	0	0	0	0	0	
4-Nitroquinoline, 1-oxide	BRL	50	0	0	0	0	0	0	0	0	
5-Nitro-o-toluidine	BRL	10	0	0	0	0	0	0	0	0	
7,12-Dimethylbenz(a)anthracene	BRL	10	0	0	0	0	0	0	0	0	
a,a-Dimethylphenethylamine	BRL	50	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	10	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337560	MBLK	337560	ug/L	6/9/2022	488382						
Client ID:	TestCode:	Semivolatile Org. Comp. by GC/MS SW8270E		Analysis Date:	6/9/2022						
					SeqNo: 11364751						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetophenone	BRL	10	0	0	0	0	0	0	0	0	
Allethrin	BRL	10	0	0	0	0	0	0	0	0	
alpha-Terpineol	BRL	10	0	0	0	0	0	0	0	0	
Aniline	BRL	10	0	0	0	0	0	0	0	0	
Anthracene	BRL	10	0	0	0	0	0	0	0	0	
Aramite	BRL	10	0	0	0	0	0	0	0	0	
Atrazine	BRL	10	0	0	0	0	0	0	0	0	
Baygon	BRL	10	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	10	0	0	0	0	0	0	0	0	
Benzaldehyde	BRL	10	0	0	0	0	0	0	0	0	
Benzidine	BRL	80	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Benzoic acid	BRL	100	0	0	0	0	0	0	0	0	
Benzyl alcohol	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-chloroethoxy)methane	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-chloroethyl)ether	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-chloroisopropyl)ether	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-ethylhexyl)phthalate	BRL	10	0	0	0	0	0	0	0	0	
Bis(chloromethyl) ether	BRL	100	0	0	0	0	0	0	0	0	
Butyl benzyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Caprolactam	BRL	10	0	0	0	0	0	0	0	0	
Carbazole	BRL	10	0	0	0	0	0	0	0	0	
Chlorobenzilate	BRL	10	0	0	0	0	0	0	0	0	
Chloropyrifos	BRL	10	0	0	0	0	0	0	0	0	
Chrysene	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID MB-337560	SampType: MBLK	Batch ID: 337560	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488382						
Client ID:	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	Analysis Date: 6/9/2022	SeqNo: 11364751								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Decane	BRL	10	0	0	0	0	0	0	0	0	
Diallate	BRL	10	0	0	0	0	0	0	0	0	
Diazinon	BRL	10	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	10	0	0	0	0	0	0	0	0	
Dibenz(a,i)acridine	BRL	10	0	0	0	0	0	0	0	0	
Dibenzofuran	BRL	10	0	0	0	0	0	0	0	0	
Diethyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Dimethoate	BRL	20	0	0	0	0	0	0	0	0	
Dimethyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Dimethylaminoazobenzene	BRL	10	0	0	0	0	0	0	0	0	
Di-n-butyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Di-n-octyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Diphenylamine	BRL	10	0	0	0	0	0	0	0	0	
Disulfoton	BRL	10	0	0	0	0	0	0	0	0	
Ethyl methanesulfonate	BRL	10	0	0	0	0	0	0	0	0	
Famphur	BRL	20	0	0	0	0	0	0	0	0	
Fenvalerate	BRL	10	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Fluorene	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorocyclopentadiene	BRL	10	0	0	0	0	0	0	0	0	
Hexachloroethane	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorophene	BRL	80	0	0	0	0	0	0	0	0	
Hexachloropropene	BRL	10	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	10	0	0	0	0	0	0	0	0	
Isodrin	BRL	10	0	0	0	0	0	0	0	0	
Isophorone	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:	<	Less than Result value	>	Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337560	MBLK	337560	ug/L	6/9/2022	488382						
Client ID:	TestCode:	Semivolatile Org. Comp. by GC/MS SW8270E		Analysis Date:	6/9/2022						
					SeqNo: 11364751						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isosafrole	BRL	10	0	0	0	0	0	0	0	0	
Kepone	BRL	50	0	0	0	0	0	0	0	0	
Methapyrilene	BRL	20	0	0	0	0	0	0	0	0	
Methyl methanesulfonate	BRL	10	0	0	0	0	0	0	0	0	
Methyl parathion	BRL	10	0	0	0	0	0	0	0	0	
MGK-264	BRL	10	0	0	0	0	0	0	0	0	
Naphthalene	BRL	10	0	0	0	0	0	0	0	0	
Nitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodiethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodimethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-butylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-propylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodiphenylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosomethylethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosomorpholine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosopiperidine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosopyrrolidine	BRL	40	0	0	0	0	0	0	0	0	
N-Octadecane	BRL	10	0	0	0	0	0	0	0	0	
O,O,O-Triethyl phosphorothioate	BRL	10	0	0	0	0	0	0	0	0	
o-Toluidine	BRL	10	0	0	0	0	0	0	0	0	
Parathion	BRL	10	0	0	0	0	0	0	0	0	
p-Dimethylaminoazobenzene	BRL	10	0	0	0	0	0	0	0	0	
Pentachlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
Pentachloronitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	25	0	0	0	0	0	0	0	0	
Perylene	BRL	10	0	0	0	0	0	0	0	0	
Phenacetin	BRL	10	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337560	MBLK	337560	ug/L	6/9/2022	488382						
Client ID:	TestCode:	Semivolatile Org. Comp. by GC/MS	SW8270E	Analysis Date:	6/9/2022						
					SeqNo: 11364751						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	BRL	10	0	0	0	0	0	0	0	0	
Phenothrin	BRL	10	0	0	0	0	0	0	0	0	
Phorate	BRL	10	0	0	0	0	0	0	0	0	
Piperonyl Butoxide	BRL	10	0	0	0	0	0	0	0	0	
p-Phenylenediamine	BRL	500	0	0	0	0	0	0	0	0	
Pronamide	BRL	10	0	0	0	0	0	0	0	0	
Pyrene	BRL	10	0	0	0	0	0	0	0	0	
Pyrethrin	BRL	50	0	0	0	0	0	0	0	0	
Pyridine	BRL	10	0	0	0	0	0	0	0	0	
Resmethrin	BRL	10	0	0	0	0	0	0	0	0	
Safrole	BRL	50	0	0	0	0	0	0	0	0	
Sym-Trinitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
Tetraethyl dithiopyrophosphate	BRL	10	0	0	0	0	0	0	0	0	
Tetramethrin	BRL	10	0	0	0	0	0	0	0	0	
Thionazin	BRL	10	0	0	0	0	0	0	0	0	
Surr: 2,4,6-Tribromophenol	117.7	0	100	0	118	46	135	0	0	0	
Surr: 2-Fluorobiphenyl	51.49	0	50	0	103	45	121	0	0	0	
Surr: 2-Fluorophenol	60.71	0	100	0	60.7	28.2	120	0	0	0	
Surr: 4-Terphenyl-d14	54.33	0	50	0	109	44	120	0	0	0	
Surr: Nitrobenzene-d5	47.34	0	50	0	94.7	41	123	0	0	0	
Surr: Phenol-d5	39.84	0	100	0	39.8	19.5	120	0	0	0	

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337560	MBLK	337560	ug/L	6/9/2022	488472						
Client ID:	TestCode:	Semivolatile Org. Comp. by GC/MS	SW8270E	Analysis Date:	6/13/2022						
					SeqNo: 11368149						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,3-Dinitrobenzene	BRL	20	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID MB-337560	SampType: MBLK	Batch ID: 337560	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488472						
Client ID:	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E			Analysis Date: 6/13/2022	SeqNo: 11368149						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Napthoquinone	BRL	10	0	0	0	0	0	0	0	0	
2-Acetylaminofluorene	BRL	20	0	0	0	0	0	0	0	0	
3,3'-Dimethylbenzidine	BRL	20	0	0	0	0	0	0	0	0	
4-Nitroquinoline,1-oxide	BRL	50	0	0	0	0	0	0	0	0	
5-Nitro-o-toluidine	BRL	10	0	0	0	0	0	0	0	0	
7,12-Dimethylbenz(a)anthracene	BRL	10	0	0	0	0	0	0	0	0	
Aramite	BRL	10	0	0	0	0	0	0	0	0	
Chlorobenzilate	BRL	10	0	0	0	0	0	0	0	0	
Diallate	BRL	10	0	0	0	0	0	0	0	0	
Dimethoate	BRL	20	0	0	0	0	0	0	0	0	
Disulfoton	BRL	10	0	0	0	0	0	0	0	0	
Hexachloropropene	BRL	10	0	0	0	0	0	0	0	0	
Isodrin	BRL	10	0	0	0	0	0	0	0	0	
Isosafrole	BRL	10	0	0	0	0	0	0	0	0	
Methapyrilene	BRL	20	0	0	0	0	0	0	0	0	
Methyl parathion	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodiethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosomethylethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosomorpholine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosopyrrolidine	BRL	40	0	0	0	0	0	0	0	0	
O,O,O-Triethyl phosphorothioate	BRL	10	0	0	0	0	0	0	0	0	
o-Toluidine	BRL	10	0	0	0	0	0	0	0	0	
Parathion	BRL	10	0	0	0	0	0	0	0	0	
Phorate	BRL	10	0	0	0	0	0	0	0	0	
p-Phenylenediamine	BRL	500	0	0	0	0	0	0	0	0	
Safrole	BRL	50	0	0	0	0	0	0	0	0	
Sym-Trinitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
Tetraethyl dithiopyrophosphate	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID MB-337560	SampType: MBLK	Batch ID: 337560	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488472						
Client ID:	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	Analysis Date: 6/13/2022	SeqNo: 11368149								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thionazin	BRL	10	0	0	0	0	0	0	0	0	

Sample ID MB-337560	SampType: MBLK	Batch ID: 337560	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488472						
Client ID:	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	Analysis Date: 6/13/2022	SeqNo: 11368168								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Famphur	BRL	20	0	0	0	0	0	0	0	0	
Kepone	BRL	50	0	0	0	0	0	0	0	0	

Sample ID MB-337560	SampType: MBLK	Batch ID: 337560	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488675						
Client ID:	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	Analysis Date: 6/13/2022	SeqNo: 11380446								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	BRL	10	0	0	0	0	0	0	0	0	
1,2,4,5-Tetrachlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,2-Diphenylhydrazine	BRL	10	0	0	0	0	0	0	0	0	
1,3,5-Trinitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,3-Dinitrobenzene	BRL	20	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,4-Naphthoquinone	BRL	10	0	0	0	0	0	0	0	0	
1-Chloronaphthalene	BRL	10	0	0	0	0	0	0	0	0	
1-Methylnaphthalene	BRL	10	0	0	0	0	0	0	0	0	
1-Naphthylamine	BRL	10	0	0	0	0	0	0	0	0	
2,2'-oxybis(1-Chloropropane)	BRL	10	0	0	0	0	0	0	0	0	
2,3,4,6-Tetrachlorophenol	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID MB-337560	SampType: MBLK	Batch ID: 337560	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488675						
Client ID:	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E			Analysis Date: 6/13/2022	SeqNo: 11380446						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,3-Dichloroaniline	BRL	10	0	0	0	0	0	0	0	0	
2,4,5-Trichlorophenol	BRL	25	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dichlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	25	0	0	0	0	0	0	0	0	
2,4-Dinitrotoluene	BRL	10	0	0	0	0	0	0	0	0	
2,6-Dichlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,6-Dinitrotoluene	BRL	10	0	0	0	0	0	0	0	0	
2-Acetylaminofluorene	BRL	20	0	0	0	0	0	0	0	0	
2-Chloronaphthalene	BRL	10	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	10	0	0	0	0	0	0	0	0	
2-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
2-Naphthylamine	BRL	10	0	0	0	0	0	0	0	0	
2-Nitroaniline	BRL	50	0	0	0	0	0	0	0	0	
2-Nitrophenol	BRL	10	0	0	0	0	0	0	0	0	
2-Picoline	BRL	10	0	0	0	0	0	0	0	0	
3,3'-Dichlorobenzidine	BRL	20	0	0	0	0	0	0	0	0	
3,3'-Dimethoxybenzidine	BRL	10	0	0	0	0	0	0	0	0	
3,3'-Dimethylbenzidine	BRL	20	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
3-Chloroaniline	BRL	10	0	0	0	0	0	0	0	0	
3-Methylcholanthrene	BRL	10	0	0	0	0	0	0	0	0	
3-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
3-Nitroaniline	BRL	25	0	0	0	0	0	0	0	0	
4,6-Dinitro-2-methylphenol	BRL	25	0	0	0	0	0	0	0	0	
4-Aminobiphenyl	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337560	MBLK	337560	ug/L	6/9/2022	488675						
Client ID:	TestCode:	Semivolatile Org. Comp. by GC/MS SW8270E		Analysis Date:	6/13/2022						
					SeqNo: 11380446						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Bromophenyl phenyl ether	BRL	10	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	10	0	0	0	0	0	0	0	0	
4-Chloroaniline	BRL	10	0	0	0	0	0	0	0	0	
4-Chlorophenyl phenyl ether	BRL	10	0	0	0	0	0	0	0	0	
4-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
4-Nitroaniline	BRL	25	0	0	0	0	0	0	0	0	
4-Nitrophenol	BRL	25	0	0	0	0	0	0	0	0	
4-Nitroquinoline,1-oxide	BRL	50	0	0	0	0	0	0	0	0	
5-Nitro-o-toluidine	BRL	10	0	0	0	0	0	0	0	0	
7,12-Dimethylbenz(a)anthracene	BRL	10	0	0	0	0	0	0	0	0	
a,a-Dimethylphenethylamine	BRL	50	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	10	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	10	0	0	0	0	0	0	0	0	
Acetophenone	BRL	10	0	0	0	0	0	0	0	0	
Allethrin	BRL	10	0	0	0	0	0	0	0	0	
alpha-Terpineol	BRL	10	0	0	0	0	0	0	0	0	
Aniline	BRL	10	0	0	0	0	0	0	0	0	
Anthracene	BRL	10	0	0	0	0	0	0	0	0	
Aramite	BRL	10	0	0	0	0	0	0	0	0	
Atrazine	BRL	10	0	0	0	0	0	0	0	0	
Baygon	BRL	10	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	10	0	0	0	0	0	0	0	0	
Benzaldehyde	BRL	10	0	0	0	0	0	0	0	0	
Benzidine	BRL	80	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337560	MBLK	337560	ug/L	6/9/2022	488675						
Client ID:	TestCode:	Semivolatile Org. Comp. by GC/MS SW8270E		Analysis Date: 6/13/2022	SeqNo: 11380446						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzoic acid	BRL	100	0	0	0	0	0	0	0	0	
Benzyl alcohol	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-chloroethoxy)methane	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-chloroethyl)ether	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-chloroisopropyl)ether	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-ethylhexyl)phthalate	BRL	10	0	0	0	0	0	0	0	0	
Bis(chloromethyl) ether	BRL	100	0	0	0	0	0	0	0	0	
Butyl benzyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Caprolactam	BRL	10	0	0	0	0	0	0	0	0	
Carbazole	BRL	10	0	0	0	0	0	0	0	0	
Chlorobenzilate	BRL	10	0	0	0	0	0	0	0	0	
Chloropyrifos	BRL	10	0	0	0	0	0	0	0	0	
Chrysene	BRL	10	0	0	0	0	0	0	0	0	
Decane	BRL	10	0	0	0	0	0	0	0	0	
Diallate	BRL	10	0	0	0	0	0	0	0	0	
Diazinon	BRL	10	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	10	0	0	0	0	0	0	0	0	
Dibenz(a,j)acridine	BRL	10	0	0	0	0	0	0	0	0	
Dibenzofuran	BRL	10	0	0	0	0	0	0	0	0	
Diethyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Dimethoate	BRL	20	0	0	0	0	0	0	0	0	
Dimethyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Dimethylaminoazobenzene	BRL	10	0	0	0	0	0	0	0	0	
Di-n-butyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Di-n-octyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Diphenylamine	BRL	10	0	0	0	0	0	0	0	0	
Disulfoton	BRL	10	0	0	0	0	0	0	0	0	
Ethyl methanesulfonate	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337560	MBLK	337560	ug/L	6/9/2022	488675						
Client ID:	TestCode:	Semivolatile Org. Comp. by GC/MS SW8270E		Analysis Date: 6/13/2022	SeqNo: 11380446						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Famphur	BRL	20	0	0	0	0	0	0	0	0	
Fenvalerate	BRL	10	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Fluorene	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorocyclopentadiene	BRL	10	0	0	0	0	0	0	0	0	
Hexachloroethane	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorophene	BRL	80	0	0	0	0	0	0	0	0	
Hexachloropropene	BRL	10	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	10	0	0	0	0	0	0	0	0	
Isodrin	BRL	10	0	0	0	0	0	0	0	0	
Isophorone	BRL	10	0	0	0	0	0	0	0	0	
Isosafrole	BRL	10	0	0	0	0	0	0	0	0	
Kepone	BRL	50	0	0	0	0	0	0	0	0	
Methapyrilene	BRL	20	0	0	0	0	0	0	0	0	
Methyl methanesulfonate	BRL	10	0	0	0	0	0	0	0	0	
Methyl parathion	BRL	10	0	0	0	0	0	0	0	0	
MGK-264	BRL	10	0	0	0	0	0	0	0	0	
Naphthalene	BRL	10	0	0	0	0	0	0	0	0	
Nitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodiethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodimethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-butylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-propylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodiphenylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosomethylethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosomorpholine	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID	SampType	Batch ID	Units	Prep Date	RunNo						
MB-337560	MBLK	337560	ug/L	6/9/2022	488675						
Client ID:	TestCode:	Semivolatile Org. Comp. by GC/MS SW8270E		Analysis Date: 6/13/2022	SeqNo: 11380446						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosopiperidine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosopyrrolidine	BRL	40	0	0	0	0	0	0	0	0	
N-Octadecane	BRL	10	0	0	0	0	0	0	0	0	
O,O,O-Triethyl phosphorothioate	BRL	10	0	0	0	0	0	0	0	0	
o-Toluidine	BRL	10	0	0	0	0	0	0	0	0	
Parathion	BRL	10	0	0	0	0	0	0	0	0	
p-Dimethylaminoazobenzene	BRL	10	0	0	0	0	0	0	0	0	
Pentachlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
Pentachloronitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	25	0	0	0	0	0	0	0	0	
Perylene	BRL	10	0	0	0	0	0	0	0	0	
Phenacetin	BRL	10	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	10	0	0	0	0	0	0	0	0	
Phenol	BRL	10	0	0	0	0	0	0	0	0	
Phenothrin	BRL	10	0	0	0	0	0	0	0	0	
Phorate	BRL	10	0	0	0	0	0	0	0	0	
Piperonyl Butoxide	BRL	10	0	0	0	0	0	0	0	0	
p-Phenylenediamine	BRL	500	0	0	0	0	0	0	0	0	
Pronamide	BRL	10	0	0	0	0	0	0	0	0	
Pyrene	BRL	10	0	0	0	0	0	0	0	0	
Pyrethrin	BRL	50	0	0	0	0	0	0	0	0	
Pyridine	BRL	10	0	0	0	0	0	0	0	0	
Resmethrin	BRL	10	0	0	0	0	0	0	0	0	
Safrole	BRL	50	0	0	0	0	0	0	0	0	
Sym-Trinitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
Tetraethyl dithiopyrophosphate	BRL	10	0	0	0	0	0	0	0	0	
Tetramethrin	BRL	10	0	0	0	0	0	0	0	0	
Thionazin	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:	< Less than Result value	> Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID MB-337560	SampType: MBLK	Batch ID: 337560	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488675						
Client ID:	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	Analysis Date: 6/13/2022	SeqNo: 11380446								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	124	0	100	0	124	46	135	0	0		
Surr: 2-Fluorobiphenyl	50.84	0	50	0	102	45	121	0	0		
Surr: 2-Fluorophenol	64.79	0	100	0	64.8	28.2	120	0	0		
Surr: 4-Terphenyl-d14	55.2	0	50	0	110	44	120	0	0		
Surr: Nitrobenzene-d5	50.59	0	50	0	101	41	123	0	0		
Surr: Phenol-d5	43.63	0	100	0	43.6	19.5	120	0	0		

Sample ID LCS-337560	SampType: LCS	Batch ID: 337560	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488382						
Client ID:	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	Analysis Date: 6/9/2022	SeqNo: 11364752								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	89.66	10	100	0	89.7	56.7	124	0	0		
1,4-Dichlorobenzene	87.29	10	100	0	87.3	48	124	0	0		
2,4-Dinitrotoluene	102.7	10	100	0	103	58.4	129	0	0		
2-Chlorophenol	93.59	10	100	0	93.6	52.8	120	0	0		
4-Chloro-3-methylphenol	94.61	10	100	0	94.6	60.7	122	0	0		
4-Nitrophenol	45.17	25	100	0	45.2	20	120	0	0		
Acenaphthene	95.14	10	100	0	95.1	60	128	0	0		
N-Nitrosodi-n-propylamine	113.9	10	100	0	114	60.1	130	0	0		
Pentachlorophenol	59.47	25	100	0	59.5	47	126	0	0		
Phenol	41.9	10	100	0	41.9	21.1	120	0	0		
Pyrene	90.48	10	100	0	90.5	62.9	135	0	0		
Surr: 2,4,6-Tribromophenol	118.7	0	100	0	119	19.5	120	0	0		
Surr: 2-Fluorobiphenyl	48.62	0	50	0	97.2	45	121	0	0		
Surr: 2-Fluorophenol	56.41	0	100	0	56.4	28.2	120	0	0		
Surr: 4-Terphenyl-d14	50.67	0	50	0	101	44	120	0	0		
Surr: Nitrobenzene-d5	50.69	0	50	0	101	46	135	0	0		
Surr: Phenol-d5	49.45	0	100	0	49.4	41	123	0	0		

Qualifiers:	<	Less than Result value	>	Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID 2206836-006BMS	SampType: MS	Batch ID: 337560	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488382
Client ID:	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E			Analysis Date: 6/9/2022	SeqNo: 11364754

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	56.66	10	100	0	56.7	41.4	119	0	0		
1,4-Dichlorobenzene	53.89	10	100	0	53.9	40	120	0	0		
2,4-Dinitrotoluene	74.19	10	100	0	74.2	45.1	120	0	0		
2-Chlorophenol	54.75	10	100	0	54.8	41.7	120	0	0		
4-Chloro-3-methylphenol	60.22	10	100	0	60.2	40	120	0	0		
4-Nitrophenol	34.38	25	100	0	34.4	23	120	0	0		
Acenaphthene	68.43	10	100	0	68.4	44.4	118	0	0		
N-Nitrosodi-n-propylamine	71.47	10	100	0	71.5	51	120	0	0		
Pentachlorophenol	35.09	25	100	0	35.1	41.1	125	0	0		S
Phenol	29.93	10	100	0	29.9	22.1	120	0	0		
Pyrene	68.67	10	100	0	68.7	50.4	118	0	0		
Surr: 2,4,6-Tribromophenol	87.58	0	100	0	87.6	19.5	120	0	0		
Surr: 2-Fluorobiphenyl	34.25	0	50	0	68.5	45	121	0	0		
Surr: 2-Fluorophenol	34.23	0	100	0	34.2	28.2	120	0	0		
Surr: 4-Terphenyl-d14	39.35	0	50	0	78.7	44	120	0	0		
Surr: Nitrobenzene-d5	30.03	0	50	0	60.1	46	135	0	0		
Surr: Phenol-d5	29.32	0	100	0	29.3	41	123	0	0		S

Sample ID 2206836-006BMSD	SampType: MSD	Batch ID: 337560	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488382
Client ID:	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E			Analysis Date: 6/9/2022	SeqNo: 11364755

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	82.36	10	100	0	82.4	41.4	119	56.66	37.0	31.3	R
1,4-Dichlorobenzene	78.09	10	100	0	78.1	40	120	53.89	36.7	33	R
2,4-Dinitrotoluene	98.17	10	100	0	98.2	45.1	120	74.19	27.8	29.5	
2-Chlorophenol	80.91	10	100	0	80.9	41.7	120	54.75	38.6	33.8	R
4-Chloro-3-methylphenol	85.6	10	100	0	85.6	40	120	60.22	34.8	35	
4-Nitrophenol	48.39	25	100	0	48.4	23	120	34.38	33.9	54.9	

Qualifiers:	<	Less than Result value	>	Greater 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Semivolatile Org. Comp. by GC/MS SW8270E

Sample ID	SampType: MSD	Batch ID: 337560	Units: ug/L	Prep Date: 6/9/2022	RunNo: 488382						
Client ID:	TestCode: Semivolatile Org. Comp. by GC/MS	SW8270E	Analysis Date: 6/9/2022	SeqNo: 11364755							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	87.76	10	100	0	87.8	44.4	118	68.43	24.8	27.9	
N-Nitrosodi-n-propylamine	103.4	10	100	0	103	51	120	71.47	36.5	29.5	R
Pentachlorophenol	52.07	25	100	0	52.1	41.1	125	35.09	39.0	39.4	
Phenol	37.42	10	100	0	37.4	22.1	120	29.93	22.2	48.2	
Pyrene	84.38	10	100	0	84.4	50.4	118	68.67	20.5	27.2	
Surr: 2,4,6-Tribromophenol	106.6	0	100	0	107	19.5	120	87.58	0	0	
Surr: 2-Fluorobiphenyl	44.2	0	50	0	88.4	45	121	34.25	0	0	
Surr: 2-Fluorophenol	47.37	0	100	0	47.4	28.2	120	34.23	0	0	
Surr: 4-Terphenyl-d14	46.72	0	50	0	93.4	44	120	39.35	0	0	
Surr: Nitrobenzene-d5	45.42	0	50	0	90.8	46	135	30.03	0	0	
Surr: Phenol-d5	28.4	0	100	0	28.4	41	123	29.32	0	0	S

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Cyanide SW9014

Sample ID MB-337889	SampType: MBLK	Batch ID: 337889	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488481						
Client ID:	TestCode: Cyanide SW9014	Analysis Date: 6/14/2022	SeqNo: 11368714								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	BRL	0.0100	0	0	0	0	0	0	0		

Sample ID LCS-337889	SampType: LCS	Batch ID: 337889	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488481						
Client ID:	TestCode: Cyanide SW9014	Analysis Date: 6/14/2022	SeqNo: 11368715								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.251	0.0100	0.25	0	100	85	115	0	0		

Sample ID 2206721-005CMS	SampType: MS	Batch ID: 337889	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488481						
Client ID:	TestCode: Cyanide SW9014	Analysis Date: 6/14/2022	SeqNo: 11368718								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.27	0.0100	0.25	0	108	70	130	0	0		

Sample ID 2206721-004CMS	SampType: MS	Batch ID: 337889	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488481						
Client ID:	TestCode: Cyanide SW9014	Analysis Date: 6/14/2022	SeqNo: 11368732								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.264	0.0100	0.25	0	106	70	130	0	0		

Sample ID 2206721-005CMSD	SampType: MSD	Batch ID: 337889	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488481						
Client ID:	TestCode: Cyanide SW9014	Analysis Date: 6/14/2022	SeqNo: 11368719								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.261	0.0100	0.25	0	104	70	130	0.27	3.39	20	

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: Sulfide by SW9030B/9034

Sample ID MB-337876	SampType: MBLK	Batch ID: 337876	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488420						
Client ID:	TestCode: Sulfide by SW9030B/9034	Analysis Date: 6/13/2022			SeqNo: 11365717						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide	BRL	2.00									

Sample ID LCS-337876	SampType: LCS	Batch ID: 337876	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488420						
Client ID:	TestCode: Sulfide by SW9030B/9034	Analysis Date: 6/13/2022			SeqNo: 11365730						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide	19	2.00	19	0	100	70	130	0	0		

Sample ID 2206714-014EMS	SampType: MS	Batch ID: 337876	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488420						
Client ID:	TestCode: Sulfide by SW9030B/9034	Analysis Date: 6/13/2022			SeqNo: 11365703						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide	18	2.00	19	0	94.7	63.4	129	0	0		

Sample ID 2206714-014EMSD	SampType: MSD	Batch ID: 337876	Units: mg/L	Prep Date: 6/13/2022	RunNo: 488420						
Client ID:	TestCode: Sulfide by SW9030B/9034	Analysis Date: 6/13/2022			SeqNo: 11365704						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide	18.2	2.00	19	0	95.8	63.4	129	18	1.10	20	

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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.
Work Order: 2206B25
Project: Forsyth County-Hightower Road MSWLF

ANALYTICAL QC SUMMARY REPORT

TestCode: ION SCAN SW9056A

Sample ID MB-R488474	SampType: MBLK	Batch ID: R488474	Units: mg/L	Prep Date:	RunNo: 488474						
Client ID:	TestCode: ION SCAN SW9056A	Analysis Date: 6/11/2022	SeqNo: 11382363								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	BRL	1.0	0	0	0	0	0	0	0		

Sample ID LCS-R488474	SampType: LCS	Batch ID: R488474	Units: mg/L	Prep Date:	RunNo: 488474						
Client ID:	TestCode: ION SCAN SW9056A	Analysis Date: 6/11/2022	SeqNo: 11382362								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	9.32	1.0	10	0	93.2	90	110	0	0		

Sample ID 2206921-001EMS	SampType: MS	Batch ID: R488474	Units: mg/L	Prep Date:	RunNo: 488474						
Client ID:	TestCode: ION SCAN SW9056A	Analysis Date: 6/11/2022	SeqNo: 11382371								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	12.03	1.0	10	3.368	86.6	90	110	0	0		S

Sample ID 2206921-002DMS	SampType: MS	Batch ID: R488474	Units: mg/L	Prep Date:	RunNo: 488474						
Client ID:	TestCode: ION SCAN SW9056A	Analysis Date: 6/11/2022	SeqNo: 11382375								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	11.74	1.0	10	3.111	86.3	90	110	0	0		S

Sample ID 2206921-001EMSD	SampType: MSD	Batch ID: R488474	Units: mg/L	Prep Date:	RunNo: 488474						
Client ID:	TestCode: ION SCAN SW9056A	Analysis Date: 6/11/2022	SeqNo: 11382374								
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	12.03	1.0	10	3.368	86.6	90	110	12.03	0.0141	20	S

Qualifiers:	< Less than Result value BRL Below Reporting Limit J Estimated value detected below Reporting Limit Rpt Lim Reporting Limit	> Greater than Result value E Estimated value above quantitation range N Analyte not NELAC certified 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
--------------------	--	---	---

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 22, 2022

Charles Adams
Atlantic Coast Consulting, Inc.

1150 Northmeadow Pkwy
Roswell GA 30076

RE: Forsyth County-Hightower Road MSWLF

Dear Charles Adams:

Order No: 2206E68

Analytical Environmental Services, Inc. received 12 samples on 6/10/2022 3:15:00 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 AES established limits.

AES’s 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 07/01/21-06/30/22.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/22 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-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 11/01/23.

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

COMPANY: Atlantic Coast Consulting, Inc.		ADDRESS: 1150 Northmeadow Pkwy Suite 100 Roswell, GA 30076		ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers			
PHONE: 770-712-9785 or 770-594-5998		EMAIL: charles.adams@atlcc.net		App II VOC	EDB/DBCP	Appendix II Metals	App II BNA/Pest/PCB/Herb	Cyanide	Sulfide	Appendix I VOC	Appendix I Metals	Potassium Magnesium Chloride							
SAMPLED BY: <i>Kathe Hollisfeld</i>		SIGNATURE: <i>Charles Adams</i>		SAMPLED:			GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)						REMARKS			
#	SAMPLE ID	DATE	TIME	H+I	H+I	N				I	NaOH	ZnAc	H+I	N	N				I
1	PH1-GWB-2	6/9/22	1210	✓						✓							2		
2	PH1-GWB-2	6/10/22		✓							✓						1		
3	PH1-GWC-1	6/9/22	1045	✓						✓							2		
4	PH1-GWC-1	6/10/22		✓							✓						1		
5	AMW-9	6/9/22	1205	✓						✓							2		
6	AMW-9	6/10/22		✓							✓						1		
7	GWA-2	6/8/22	1050	✓						✓							2		
8	GWA-2	6/9/22	910	✓							✓						1		
9	GWC-5	6/8/22	1325	✓						✓							2		
10	GWC-5	6/9/22	945	✓							✓						1		
11	GWC-6	6/8/22	1305	✓						✓							2		
12	GWC-6	6/9/22	930	✓							✓						1		
13	GWC-7	6/8/22	1225	✓						✓							2		
14	GWC-7	6/9/22	920	✓							✓						1		
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION										RECEIPT	
1. <i>Hollisfeld</i>		6/10/22/1515		1. <i>Charles Adams</i>		6/10/22 15:15		PROJECT NAME: Forsyth County - Hightower Road MSWLF										Total # of Containers 21	
2.				2.				PROJECT #: G020-113										Turnaround Time (TAT) Request	
3.				3.				SITE ADDRESS: 9480 Old Federal Road, Ballground, GA 30107										<input checked="" type="checkbox"/> Standard	
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				SEND REPORT TO: Charles Adams, Betsy McDaniel										<input type="checkbox"/> 2 Business Day Rush	
				OUT: / / VIA:				INVOICE TO (IF DIFFERENT FROM ABOVE):										<input type="checkbox"/> Next Business Day Rush	
				IN: <u>Client</u> / / VIA:				QUOTE #: _____ PO#: _____										<input type="checkbox"/> Same-Day Rush (auth req.)	
				other: _____														<input type="checkbox"/> Other _____	
																		STATE PROGRAM (if any): _____	
																		E-mail? <input type="checkbox"/> Fax? <input type="checkbox"/>	
																		DATA PACKAGE: I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/>	

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

Client: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E68

Case Narrative

Sample Receiving Nonconformance:

Samples PH1-GWB-2, PH1 -GWC-1, AMW-9 for Appendix I Metals were listed on the Chain of Custody (COC) but not present. Betsy McDaniel notified via email on 6/14/22. AES was notified that these are duplicate line items and samples were reported on AES ID 2206E69 and 2206E70, respectively.

A Trip Blank was provided but not listed on the Chain of Custody. Trip Blank analyzed at unit cost.

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1 -GWB-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 12:10:00 PM
Lab ID: 2206E68-001	Matrix: Groundwater

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	338272	1	06/16/2022 10:49	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 10:49	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 10:49	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 10:49	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 10:49	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 10:49	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 10:49	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 10:49	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 10:49	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 10:49	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 10:49	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 10:49	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 10:49	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 10:49	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 10:49	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 10:49	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 10:49	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 10:49	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 10:49	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 10:49	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 10:49	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 10:49	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 10:49	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 10:49	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 10:49	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 10:49	CM

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: 6/9/2022 12:10:00 PM
Lab ID: 2206E68-001	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 10:49	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 10:49	CM
Surr: 4-Bromofluorobenzene	91.4	75-118		%REC	338272	1	06/16/2022 10:49	CM
Surr: Dibromofluoromethane	87.9	82.5-121		%REC	338272	1	06/16/2022 10:49	CM
Surr: Toluene-d8	93.6	78.3-118		%REC	338272	1	06/16/2022 10:49	CM

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: 2206E68-003

Client Sample ID: PH1 -GWC-1
Collection Date: 6/9/2022 10:45:00 AM
Matrix: Groundwater

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	338272	1	06/16/2022 11:14	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 11:14	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 11:14	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 11:14	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 11:14	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 11:14	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 11:14	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 11:14	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 11:14	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 11:14	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 11:14	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 11:14	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 11:14	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 11:14	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 11:14	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 11:14	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 11:14	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 11:14	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 11:14	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 11:14	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 11:14	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 11:14	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 11:14	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 11:14	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 11:14	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 11:14	CM

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: 2206E68-003

Client Sample ID: PH1 -GWC-1
Collection Date: 6/9/2022 10:45:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 11:14	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 11:14	CM
Surr: 4-Bromofluorobenzene	90.4	75-118		%REC	338272	1	06/16/2022 11:14	CM
Surr: Dibromofluoromethane	87	82.5-121		%REC	338272	1	06/16/2022 11:14	CM
Surr: Toluene-d8	93.3	78.3-118		%REC	338272	1	06/16/2022 11:14	CM

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: 6/9/2022 12:05:00 PM
Lab ID: 2206E68-005	Matrix: Groundwater

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	338346	1	06/17/2022 16:16	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
1,1-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	338346	1	06/17/2022 16:16	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338346	1	06/17/2022 16:16	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
1,3-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
1,3-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
2,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
2-Butanone	BRL	100		ug/L	338346	1	06/17/2022 16:16	CM
2-Hexanone	BRL	50		ug/L	338346	1	06/17/2022 16:16	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338346	1	06/17/2022 16:16	CM
Acetone	BRL	100		ug/L	338346	1	06/17/2022 16:16	CM
Acetonitrile	BRL	200		ug/L	338346	1	06/17/2022 16:16	CM
Acrolein	BRL	50		ug/L	338346	1	06/17/2022 16:16	CM
Acrylonitrile	BRL	50		ug/L	338346	1	06/17/2022 16:16	CM
Allyl Chloride	BRL	100		ug/L	338346	1	06/17/2022 16:16	CM
Benzene	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
Bromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Bromodichloromethane	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Bromoform	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Bromomethane	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Carbon disulfide	BRL	5.0		ug/L	338346	1	06/17/2022 16:16	CM
Carbon tetrachloride	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
Chlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Chloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
Chloroform	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
Chloromethane	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Chloroprene	BRL	20		ug/L	338346	1	06/17/2022 16:16	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
Dibromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Dibromomethane	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Dichlorodifluoromethane	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Ethyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Ethylbenzene	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM

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: 2206E68-005

Client Sample ID: AMW-9
Collection Date: 6/9/2022 12:05:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D							
					(SW5030B)			
Iodomethane	BRL	100		ug/L	338346	1	06/17/2022 16:16	CM
Isobutyl Alcohol	BRL	200		ug/L	338346	1	06/17/2022 16:16	CM
Methyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Methylacrylonitrile	BRL	200		ug/L	338346	1	06/17/2022 16:16	CM
Methylene chloride	BRL	5.0		ug/L	338346	1	06/17/2022 16:16	CM
Naphthalene	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Propionitrile	BRL	100		ug/L	338346	1	06/17/2022 16:16	CM
Styrene	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Tetrachloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
Toluene	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338346	1	06/17/2022 16:16	CM
Trichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
Trichlorofluoromethane	BRL	10		ug/L	338346	1	06/17/2022 16:16	CM
Vinyl acetate	BRL	100		ug/L	338346	1	06/17/2022 16:16	CM
Vinyl chloride	BRL	2.0		ug/L	338346	1	06/17/2022 16:16	CM
Xylenes, Total	BRL	5.0		ug/L	338346	1	06/17/2022 16:16	CM
Surr: 4-Bromofluorobenzene	88.5	75-118		%REC	338346	1	06/17/2022 16:16	CM
Surr: 4-Bromofluorobenzene	93.8	75-118		%REC	338346	1	06/17/2022 16:16	CM
Surr: Dibromofluoromethane	95.4	82.5-121		%REC	338346	1	06/17/2022 16:16	CM
Surr: Dibromofluoromethane	110	82.5-121		%REC	338346	1	06/17/2022 16:16	CM
Surr: Toluene-d8	96.7	78.3-118		%REC	338346	1	06/17/2022 16:16	CM
Surr: Toluene-d8	105	78.3-118		%REC	338346	1	06/17/2022 16:16	CM

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: 2206E68-007

Client Sample ID: GWA-2
Collection Date: 6/8/2022 10:50:00 AM
Matrix: Groundwater

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	338272	1	06/16/2022 17:09	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 17:09	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 17:09	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 17:09	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 17:09	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 17:09	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 17:09	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 17:09	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 17:09	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 17:09	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 17:09	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 17:09	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 17:09	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 17:09	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 17:09	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 17:09	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 17:09	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 17:09	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 17:09	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 17:09	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 17:09	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 17:09	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 17:09	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 17:09	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 17:09	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 17:09	CM

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: 6/8/2022 10:50:00 AM
Lab ID: 2206E68-007	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 17:09	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 17:09	CM
Surr: 4-Bromofluorobenzene	93.7	75-118		%REC	338272	1	06/16/2022 17:09	CM
Surr: Dibromofluoromethane	87	82.5-121		%REC	338272	1	06/16/2022 17:09	CM
Surr: Toluene-d8	94	78.3-118		%REC	338272	1	06/16/2022 17:09	CM

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: 6/9/2022 9:10:00 AM
Lab ID: 2206E68-008	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337997	1	06/15/2022 17:57	JM
Arsenic	BRL	0.0100		mg/L	337997	1	06/15/2022 17:57	JM
Barium	0.0224	0.0200		mg/L	337997	1	06/15/2022 17:57	JM
Beryllium	BRL	0.00300		mg/L	337997	1	06/15/2022 17:57	JM
Cadmium	BRL	0.00500		mg/L	337997	1	06/15/2022 17:57	JM
Chromium	BRL	0.0100		mg/L	337997	1	06/15/2022 17:57	JM
Cobalt	BRL	0.0400		mg/L	337997	1	06/15/2022 17:57	JM
Copper	BRL	0.0200		mg/L	337997	1	06/15/2022 17:57	JM
Lead	BRL	0.0150		mg/L	337997	1	06/15/2022 17:57	JM
Nickel	BRL	0.0200		mg/L	337997	1	06/15/2022 17:57	JM
Selenium	BRL	0.0100		mg/L	337997	1	06/15/2022 17:57	JM
Silver	BRL	0.0100		mg/L	337997	1	06/15/2022 17:57	JM
Thallium	BRL	0.00200		mg/L	337997	1	06/15/2022 17:57	JM
Vanadium	BRL	0.0200		mg/L	337997	1	06/15/2022 17:57	JM
Zinc	BRL	0.0200		mg/L	337997	1	06/15/2022 17:57	JM

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: 6/8/2022 1:25:00 PM
Lab ID: 2206E68-009	Matrix: Groundwater

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	338272	1	06/16/2022 17:34	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 17:34	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 17:34	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 17:34	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 17:34	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 17:34	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 17:34	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 17:34	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 17:34	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 17:34	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 17:34	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 17:34	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 17:34	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 17:34	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 17:34	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 17:34	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 17:34	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 17:34	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 17:34	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 17:34	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 17:34	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 17:34	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 17:34	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 17:34	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 17:34	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 17:34	CM

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: 6/8/2022 1:25:00 PM
Lab ID: 2206E68-009	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 17:34	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 17:34	CM
Surr: 4-Bromofluorobenzene	92.8	75-118		%REC	338272	1	06/16/2022 17:34	CM
Surr: Dibromofluoromethane	94.1	82.5-121		%REC	338272	1	06/16/2022 17:34	CM
Surr: Toluene-d8	91.1	78.3-118		%REC	338272	1	06/16/2022 17:34	CM

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: 2206E68-011

Client Sample ID: GWC-6
Collection Date: 6/8/2022 1:05:00 PM
Matrix: Groundwater

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	338272	1	06/16/2022 17:58	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 17:58	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 17:58	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 17:58	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 17:58	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 17:58	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 17:58	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 17:58	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 17:58	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 17:58	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 17:58	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 17:58	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 17:58	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 17:58	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 17:58	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 17:58	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 17:58	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 17:58	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 17:58	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 17:58	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 17:58	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 17:58	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 17:58	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 17:58	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 17:58	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 17:58	CM

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-6
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 1:05:00 PM
Lab ID: 2206E68-011	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 17:58	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 17:58	CM
Surr: 4-Bromofluorobenzene	91.9	75-118		%REC	338272	1	06/16/2022 17:58	CM
Surr: Dibromofluoromethane	87.4	82.5-121		%REC	338272	1	06/16/2022 17:58	CM
Surr: Toluene-d8	93.4	78.3-118		%REC	338272	1	06/16/2022 17:58	CM

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: 6/9/2022 9:30:00 AM
Lab ID: 2206E68-012	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337997	1	06/15/2022 18:33	JM
Arsenic	BRL	0.0100		mg/L	337997	1	06/15/2022 18:33	JM
Barium	BRL	0.0200		mg/L	337997	1	06/15/2022 18:33	JM
Beryllium	BRL	0.00300		mg/L	337997	1	06/15/2022 18:33	JM
Cadmium	BRL	0.00500		mg/L	337997	1	06/15/2022 18:33	JM
Chromium	BRL	0.0100		mg/L	337997	1	06/15/2022 18:33	JM
Cobalt	BRL	0.0400		mg/L	337997	1	06/15/2022 18:33	JM
Copper	BRL	0.0200		mg/L	337997	1	06/15/2022 18:33	JM
Lead	BRL	0.0150		mg/L	337997	1	06/15/2022 18:33	JM
Nickel	BRL	0.0200		mg/L	337997	1	06/15/2022 18:33	JM
Selenium	BRL	0.0100		mg/L	337997	1	06/15/2022 18:33	JM
Silver	BRL	0.0100		mg/L	337997	1	06/15/2022 18:33	JM
Thallium	BRL	0.00200		mg/L	337997	1	06/15/2022 18:33	JM
Vanadium	BRL	0.0200		mg/L	337997	1	06/15/2022 18:33	JM
Zinc	BRL	0.0200		mg/L	337997	1	06/15/2022 18:33	JM

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: 2206E68-013

Client Sample ID: GWC-7
Collection Date: 6/8/2022 12:25:00 PM
Matrix: Groundwater

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	338272	1	06/16/2022 18:23	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 18:23	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 18:23	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 18:23	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 18:23	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 18:23	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 18:23	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 18:23	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 18:23	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 18:23	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 18:23	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 18:23	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 18:23	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 18:23	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 18:23	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 18:23	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 18:23	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 18:23	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 18:23	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 18:23	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 18:23	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 18:23	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 18:23	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 18:23	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 18:23	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 18:23	CM

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: 6/8/2022 12:25:00 PM
Lab ID: 2206E68-013	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 18:23	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 18:23	CM
Surr: 4-Bromofluorobenzene	91.7	75-118		%REC	338272	1	06/16/2022 18:23	CM
Surr: Dibromofluoromethane	87.3	82.5-121		%REC	338272	1	06/16/2022 18:23	CM
Surr: Toluene-d8	93.3	78.3-118		%REC	338272	1	06/16/2022 18:23	CM

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: 6/9/2022 9:20:00 AM
Lab ID: 2206E68-014	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337997	1	06/15/2022 18:36	JM
Arsenic	BRL	0.0100		mg/L	337997	1	06/15/2022 18:36	JM
Barium	0.0364	0.0200		mg/L	337997	1	06/15/2022 18:36	JM
Beryllium	BRL	0.00300		mg/L	337997	1	06/15/2022 18:36	JM
Cadmium	BRL	0.00500		mg/L	337997	1	06/15/2022 18:36	JM
Chromium	BRL	0.0100		mg/L	337997	1	06/15/2022 18:36	JM
Cobalt	BRL	0.0400		mg/L	337997	1	06/15/2022 18:36	JM
Copper	BRL	0.0200		mg/L	337997	1	06/15/2022 18:36	JM
Lead	BRL	0.0150		mg/L	337997	1	06/15/2022 18:36	JM
Nickel	BRL	0.0200		mg/L	337997	1	06/15/2022 18:36	JM
Selenium	BRL	0.0100		mg/L	337997	1	06/15/2022 18:36	JM
Silver	BRL	0.0100		mg/L	337997	1	06/15/2022 18:36	JM
Thallium	BRL	0.00200		mg/L	337997	1	06/15/2022 18:36	JM
Vanadium	BRL	0.0200		mg/L	337997	1	06/15/2022 18:36	JM
Zinc	0.0240	0.0200		mg/L	337997	1	06/15/2022 18:36	JM

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: TRIP BLANK
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022
Lab ID: 2206E68-015	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	338272	1	06/16/2022 02:55	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 02:55	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 02:55	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 02:55	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 02:55	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 02:55	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 02:55	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 02:55	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 02:55	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 02:55	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 02:55	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 02:55	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 02:55	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 02:55	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 02:55	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 02:55	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 02:55	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 02:55	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 02:55	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 02:55	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 02:55	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 02:55	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 02:55	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 02:55	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 02:55	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 02:55	CM

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
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022
Lab ID: 2206E68-015	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 02:55	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 02:55	CM
Surr: 4-Bromofluorobenzene	102	75-118		%REC	338272	1	06/16/2022 02:55	CM
Surr: Dibromofluoromethane	90.4	82.5-121		%REC	338272	1	06/16/2022 02:55	CM
Surr: Toluene-d8	101	78.3-118		%REC	338272	1	06/16/2022 02:55	CM

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

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Atlantic Coast Consulting, Inc.

AES Work Order Number: 2206E68

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 type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
5. Custody seals intact on shipping container?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
6. Temperature blanks present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
10. Sampler name and/or signature on COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
11. Were all samples received within holding time?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
12. TAT marked on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	

13. Cooler 1 Temperature 2.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). HM 6/13/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. 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 type="checkbox"/> samples listed on COC not received <input checked="" type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
26. Were trip blanks submitted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input checked="" type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). HM 6/13/22

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
29. Containers meet preservation guidelines?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
30. 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 28-30 (dated initials). HM 6/13/22

Locked

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2206E68

ANALYTICAL QC SUMMARY REPORT

BatchID: 337997

Sample ID: MB-337997	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488726							
Sample Type: MBLK	TestCode: APPENDIX I METALS SW6020B	BatchID: 337997	Analysis Date: 06/15/2022	Seq No: 11377455							
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	0.00300									
Cadmium	BRL	0.00500									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0400									
Copper	BRL	0.0200									
Lead	BRL	0.0150									
Nickel	BRL	0.0200									
Selenium	BRL	0.0100									
Silver	BRL	0.0100									
Thallium	BRL	0.00200									
Vanadium	BRL	0.0200									
Zinc	BRL	0.0200									

Sample ID: LCS-337997	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488726							
Sample Type: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 337997	Analysis Date: 06/15/2022	Seq No: 11377456							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09788	0.00600	0.1000		97.9	80	120				
Arsenic	0.1026	0.0100	0.1000		103	80	120				
Barium	0.1023	0.0200	0.1000		102	80	120				
Beryllium	0.1006	0.00400	0.1000		101	80	120				
Cadmium	0.09988	0.00500	0.1000		99.9	80	120				
Chromium	0.1024	0.0200	0.1000		102	80	120				
Cobalt	0.1043	0.0500	0.1000		104	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: 2206E68

ANALYTICAL QC SUMMARY REPORT

BatchID: 337997

Sample ID: LCS-337997	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488726							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 337997	Analysis Date: 06/15/2022	Seq No: 11377456							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper	0.09867	0.0200	0.1000		98.7	80	120				
Lead	0.1018	0.0100	0.1000		102	80	120				
Nickel	0.1052	0.0400	0.1000		105	80	120				
Selenium	0.09742	0.0500	0.1000		97.4	80	120				
Silver	0.01009	0.00500	0.0100		101	80	120				
Thallium	0.1035	0.00200	0.1000		104	80	120				
Vanadium	0.1049	0.0500	0.1000		105	80	120				
Zinc	0.09605	0.0200	0.1000		96.0	80	120				

Sample ID: 2206E68-008AMS	Client ID: GWA-2	Units: mg/L	Prep Date: 06/15/2022	Run No: 488726							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 337997	Analysis Date: 06/15/2022	Seq No: 11377458							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1003	0.00600	0.1000		100	75	125				
Arsenic	0.09807	0.0100	0.1000		98.1	75	125				
Barium	0.1260	0.0200	0.1000	0.02243	104	75	125				
Beryllium	0.1005	0.00400	0.1000	0.0001483	100	75	125				
Cadmium	0.09893	0.00500	0.1000		98.9	75	125				
Chromium	0.1038	0.0200	0.1000		104	75	125				
Cobalt	0.1026	0.0500	0.1000	0.0002265	102	75	125				
Copper	0.1032	0.0200	0.1000		103	75	125				
Lead	0.1052	0.0100	0.1000		105	75	125				
Nickel	0.1024	0.0400	0.1000		102	75	125				
Selenium	0.09773	0.0500	0.1000		97.7	75	125				
Silver	0.009889	0.00500	0.0100		98.9	75	125				
Thallium	0.1019	0.00200	0.1000	0.0005241	101	75	125				
Vanadium	0.1021	0.0500	0.1000		102	75	125				
Zinc	0.1047	0.0200	0.1000	0.005527	99.2	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: 2206E68

ANALYTICAL QC SUMMARY REPORT

BatchID: 337997

Sample ID: 2206E68-008AMSD	Client ID: GWA-2	Units: mg/L	Prep Date: 06/15/2022	Run No: 488726
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 337997	Analysis Date: 06/15/2022	Seq No: 11377459

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	0.09900	0.00600	0.1000		99.0	75	125	0.1003	1.29	20	
Arsenic	0.1024	0.0100	0.1000		102	75	125	0.09807	4.31	20	
Barium	0.1237	0.0200	0.1000	0.02243	101	75	125	0.1260	1.87	20	
Beryllium	0.1032	0.00400	0.1000	0.0001483	103	75	125	0.1005	2.60	20	
Cadmium	0.09990	0.00500	0.1000		99.9	75	125	0.09893	0.980	20	
Chromium	0.1060	0.0200	0.1000		106	75	125	0.1038	2.04	20	
Cobalt	0.1045	0.0500	0.1000	0.0002265	104	75	125	0.1026	1.83	20	
Copper	0.1044	0.0200	0.1000		104	75	125	0.1032	1.15	20	
Lead	0.1046	0.0100	0.1000		105	75	125	0.1052	0.576	20	
Nickel	0.1064	0.0400	0.1000		106	75	125	0.1024	3.85	20	
Selenium	0.09643	0.0500	0.1000		96.4	75	125	0.09773	1.34	20	
Silver	0.009990	0.00500	0.0100		99.9	75	125	0.009889	1.02	20	
Thallium	0.1038	0.00200	0.1000	0.0005241	103	75	125	0.1019	1.86	20	
Vanadium	0.1061	0.0500	0.1000		106	75	125	0.1021	3.85	20	
Zinc	0.1034	0.0200	0.1000	0.005527	97.9	75	125	0.1047	1.27	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: 2206E68

ANALYTICAL QC SUMMARY REPORT

BatchID: 338272

Sample ID: MB-338272	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488717							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/16/2022	Seq No: 11386369							
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: 2206E68

ANALYTICAL QC SUMMARY REPORT

BatchID: 338272

Sample ID: MB-338272	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488717							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/16/2022	Seq No: 11386369							
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	50.86	0	50.00		102	75	118				
Surr: Dibromofluoromethane	49.29	0	50.00		98.6	82.5	121				
Surr: Toluene-d8	47.92	0	50.00		95.8	78.3	118				

Sample ID: LCS-338272	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488717							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/16/2022	Seq No: 11386370							
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: 2206E68

ANALYTICAL QC SUMMARY REPORT

BatchID: 338272

Sample ID: LCS-338272	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488717							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/16/2022	Seq No: 11386370							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	53.31	5.0	50.00		107	71	130				
Benzene	51.87	5.0	50.00		104	80.4	126				
Chlorobenzene	52.11	5.0	50.00		104	81	120				
Toluene	52.23	5.0	50.00		104	79.2	124				
Trichloroethene	54.65	5.0	50.00		109	78.4	125				
Surr: 4-Bromofluorobenzene	53.68	0	50.00		107	75	118				
Surr: Dibromofluoromethane	49.77	0	50.00		99.5	82.5	121				
Surr: Toluene-d8	49.05	0	50.00		98.1	78.3	118				

Sample ID: 2206E42-007AMS	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 489040							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/19/2022	Seq No: 11387913							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	17.92	5.0	20.00		89.6	67.6	143				
Benzene	20.08	5.0	20.00		100	70.5	136				
Chlorobenzene	20.28	5.0	20.00		101	77.1	133				
Toluene	20.51	5.0	20.00		103	66.4	140				
Trichloroethene	20.85	5.0	20.00		104	75.1	140				
Surr: 4-Bromofluorobenzene	50.76	0	50.00		102	75	118				
Surr: Dibromofluoromethane	47.56	0	50.00		95.1	82.5	121				
Surr: Toluene-d8	50.75	0	50.00		102	78.3	118				

Sample ID: 2206E42-007AMSD	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 489040							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/19/2022	Seq No: 11387914							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	16.64	5.0	20.00		83.2	67.6	143	17.92	7.41	19.6	
Benzene	18.91	5.0	20.00		94.6	70.5	136	20.08	6.00	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: 2206E68

ANALYTICAL QC SUMMARY REPORT

BatchID: 338272

Sample ID: 2206E42-007AMSD	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 489040
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/19/2022	Seq No: 11387914

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	19.16	5.0	20.00		95.8	77.1	133	20.28	5.68	20	
Toluene	19.57	5.0	20.00		97.8	66.4	140	20.51	4.69	20	
Trichloroethene	19.46	5.0	20.00		97.3	75.1	140	20.85	6.90	20	
Surr: 4-Bromofluorobenzene	51.41	0	50.00		103	75	118	50.76	0	0	
Surr: Dibromofluoromethane	46.83	0	50.00		93.7	82.5	121	47.56	0	0	
Surr: Toluene-d8	49.87	0	50.00		99.7	78.3	118	50.75	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: 2206E68

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: MB-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388925							
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: 2206E68

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: MB-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388925							
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: 2206E68

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: MB-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388925							
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	44.92	0	50.00		89.8	75	118				
Surr: Dibromofluoromethane	47.68	0	50.00		95.4	82.5	121				
Surr: Toluene-d8	48.47	0	50.00		96.9	78.3	118				

Sample ID: MB-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388951							
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	47.61	0	50.00		95.2	75	118				
Surr: Dibromofluoromethane	54.89	0	50.00		110	82.5	121				
Surr: Toluene-d8	52.72	0	50.00		105	78.3	118				

Sample ID: LCS-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388926							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	18.21	2.0	20.00		91.0	71	130				
Benzene	18.30	1.0	20.00		91.5	80.4	126				
Chlorobenzene	21.03	1.0	20.00		105	81	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: 2206E68

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: LCS-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388926							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Toluene	18.82	1.0	20.00		94.1	79.2	124				
Trichloroethene	18.84	1.0	20.00		94.2	78.4	125				
Surr: 4-Bromofluorobenzene	46.32	0	50.00		92.6	75	118				
Surr: Dibromofluoromethane	49.33	0	50.00		98.7	82.5	121				
Surr: Toluene-d8	49.39	0	50.00		98.8	78.3	118				

Sample ID: 2206E69-005AMS	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489040							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/19/2022	Seq No: 11387915							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	15.73	2.0	20.00		78.6	67.6	143				
Benzene	18.57	1.0	20.00		92.8	70.5	136				
Chlorobenzene	18.92	1.0	20.00		94.6	77.1	133				
Toluene	18.58	1.0	20.00		92.9	66.4	140				
Trichloroethene	19.58	1.0	20.00		97.9	75.1	140				
Surr: 4-Bromofluorobenzene	51.57	0	50.00		103	75	118				
Surr: Dibromofluoromethane	47.13	0	50.00		94.3	82.5	121				
Surr: Toluene-d8	49.50	0	50.00		99.0	78.3	118				

Sample ID: 2206E69-005AMSD	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489040							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/19/2022	Seq No: 11387916							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	16.55	2.0	20.00		82.8	67.6	143	15.73	5.08	19.6	
Benzene	19.20	1.0	20.00		96.0	70.5	136	18.57	3.34	20	
Chlorobenzene	19.60	1.0	20.00		98.0	77.1	133	18.92	3.53	20	
Toluene	19.69	1.0	20.00		98.4	66.4	140	18.58	5.80	20	
Trichloroethene	19.97	1.0	20.00		99.8	75.1	140	19.58	1.97	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: 2206E68

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: 2206E69-005AMSD	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489040							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/19/2022	Seq No: 11387916							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: 4-Bromofluorobenzene	50.36	0	50.00		101	75	118	51.57	0	0	
Surr: Dibromofluoromethane	46.59	0	50.00		93.2	82.5	121	47.13	0	0	
Surr: Toluene-d8	49.43	0	50.00		98.9	78.3	118	49.50	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		

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 08, 2022

Charles Adams
Atlantic Coast Consulting, Inc.
1150 Northmeadow Pkwy
Roswell GA 30076

RE: Forsyth County-Hightower Road MSWLF

Dear Charles Adams:

Order No: 2206E69

Analytical Environmental Services, Inc. received 14 samples on 6/10/2022 3:15:00 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 AES established limits.

AES’s 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 07/01/22-06/30/23.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/23 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-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 11/01/23.

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

Revision 7/8/2022

CHAIN OF CUSTODY

Visit our website
www.aesatlanta.com for
downloadable COCs and to
log in to your AES Access
account.

Number of Containers

COMPANY: Atlantic Coast Consulting, Inc.		ADDRESS: 1150 Northmeadow Pkwy Suite 100 Roswell, GA 30076					ANALYSIS REQUESTED										REMARKS																	
PHONE: 770-712-9785 or 770-594-5998		EMAIL: charles.adams@atlcc.net					<table border="1"> <tr> <td>App II VOC</td> <td>EDB/DBCP</td> <td>Appendix II Metals</td> <td>App II BNA/Pest/PCB/Herb</td> <td>Cyanide</td> <td>Sulfide</td> <td>Appendix I VOC</td> <td>Appendix I Metals</td> <td>Potassium/Magnesium</td> <td>Chloride</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>												App II VOC	EDB/DBCP	Appendix II Metals	App II BNA/Pest/PCB/Herb	Cyanide	Sulfide	Appendix I VOC	Appendix I Metals	Potassium/Magnesium	Chloride						
App II VOC	EDB/DBCP	Appendix II Metals	App II BNA/Pest/PCB/Herb	Cyanide	Sulfide	Appendix I VOC	Appendix I Metals	Potassium/Magnesium	Chloride																									
SAMPLED BY: <i>Katie Hollifield</i>		SIGNATURE: <i>Charles Adams</i>					PRESERVATION (see codes)																											
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	H+	H+	N	I	NaOH	ZnAc	H+	N	N	I																		
		DATE	TIME																															
1	GW-13	6/8/22	1410	✓		GW							✓														2							
2	GW-13	6/9/22	1000	✓		GW								✓													1							
3	GW-17	6/9/22	1420	✓		GW	✓	✓		✓	✓																9							
4	GW-17	6/10/22	1030	✓		GW			✓																									
5	AMW-12	6/8/22	1450	✓		GW	✓																				3							
6	AMW-12	6/9/22	1005	✓		GW													✓								1							
7	AMW-12R	6/8/22	1530	✓		GW	✓																				3							
8	AMW-12R	6/9/22	1010	✓		GW																					1							
9	PHI-GWB-2	6-10-22	0925	✓		W													✓								1							
10	PHI-GWC-1	6-10-22	0945	✓		W													✓								1							
11	GW-8	6-10-22	0955	✓		W													✓								1							
12	GW-14	6-10-22	1015	✓		W													✓								1							
13	AMW-2	6-10-22	1025	✓		W			✓																		1							
14																																		

RELINQUISHED BY: 1. <i>H. All</i>	DATE/TIME: 6-10-22/1515	RECEIVED BY: 2. <i>D. Capull</i>	DATE/TIME: 6/10/22 15:15	PROJECT INFORMATION					RECEIPT			
				PROJECT NAME: Forsyth County - Hightower Road MSWLF	Total # of Containers							
				PROJECT #: G020-113	Turnaround Time (TAT) Request							
				SITE ADDRESS: 9480 Old Federal Road, Ballground, GA 30107	<input checked="" type="checkbox"/> Standard							
				SEND REPORT TO: Charles Adams, Betsy McDaniel	<input type="checkbox"/> 2 Business Day Rush							
				INVOICE TO (IF DIFFERENT FROM ABOVE):	<input type="checkbox"/> Next Business Day Rush							
SPECIAL INSTRUCTIONS/COMMENTS: GW-17: partial sample				SHIPMENT METHOD		<input type="checkbox"/> Same-Day Rush (auth req.)						
				OUT: / /	VIA:	<input type="checkbox"/> Other _____						
				IN: / /	VIA:	STATE PROGRAM (if any): _____						
				Client	FedEx	UPS	US mail	courier	E-mail? <input type="checkbox"/> Fax? <input type="checkbox"/>			
				other: _____	QUOTE #: _____			PO#: _____				
				DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>								

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

Client: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E69

Case Narrative

Sample Receiving Nonconformance:

A Trip Blank was provided but not listed on the Chain of Custody. Trip Blank analyzed at unit cost.

Metals Analysis by Method 6020B:

LCS-337998 recovery for Copper was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

Revision 7/8/2022:

Report was revised to reflect an updated App II SVOC list at the request of the client. Compounds 1,3-Dichlorobenzene and Hexachlorobenzene were removed and compounds 1,3-Dinitrobenzene and 3,3'-Dimethylbenzidine were added.

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-13
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 2:10:00 PM
Lab ID: 2206E69-001	Matrix: Groundwater

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	338274	1	06/16/2022 21:57	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338274	1	06/16/2022 21:57	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338274	1	06/16/2022 21:57	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338274	1	06/16/2022 21:57	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338274	1	06/16/2022 21:57	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338274	1	06/16/2022 21:57	CM
2-Butanone	BRL	100		ug/L	338274	1	06/16/2022 21:57	CM
2-Hexanone	BRL	50		ug/L	338274	1	06/16/2022 21:57	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338274	1	06/16/2022 21:57	CM
Acetone	BRL	100		ug/L	338274	1	06/16/2022 21:57	CM
Acrylonitrile	BRL	50		ug/L	338274	1	06/16/2022 21:57	CM
Benzene	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
Bromochloromethane	BRL	10		ug/L	338274	1	06/16/2022 21:57	CM
Bromodichloromethane	BRL	10		ug/L	338274	1	06/16/2022 21:57	CM
Bromoform	BRL	10		ug/L	338274	1	06/16/2022 21:57	CM
Bromomethane	BRL	10		ug/L	338274	1	06/16/2022 21:57	CM
Carbon disulfide	BRL	5.0		ug/L	338274	1	06/16/2022 21:57	CM
Carbon tetrachloride	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
Chlorobenzene	BRL	10		ug/L	338274	1	06/16/2022 21:57	CM
Chloroethane	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
Chloroform	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
Chloromethane	BRL	10		ug/L	338274	1	06/16/2022 21:57	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
Dibromochloromethane	BRL	10		ug/L	338274	1	06/16/2022 21:57	CM
Dibromomethane	BRL	10		ug/L	338274	1	06/16/2022 21:57	CM
Ethylbenzene	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
Iodomethane	BRL	100		ug/L	338274	1	06/16/2022 21:57	CM
Methylene chloride	BRL	5.0		ug/L	338274	1	06/16/2022 21:57	CM
Styrene	BRL	10		ug/L	338274	1	06/16/2022 21:57	CM
Tetrachloroethene	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
Toluene	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338274	1	06/16/2022 21:57	CM
Trichloroethene	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
Trichlorofluoromethane	BRL	10		ug/L	338274	1	06/16/2022 21:57	CM
Vinyl acetate	BRL	100		ug/L	338274	1	06/16/2022 21:57	CM

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-13
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 2:10:00 PM
Lab ID: 2206E69-001	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338274	1	06/16/2022 21:57	CM
Xylenes, Total	BRL	5.0		ug/L	338274	1	06/16/2022 21:57	CM
Surr: 4-Bromofluorobenzene	106	75-118		%REC	338274	1	06/16/2022 21:57	CM
Surr: Dibromofluoromethane	99.8	82.5-121		%REC	338274	1	06/16/2022 21:57	CM
Surr: Toluene-d8	98.1	78.3-118		%REC	338274	1	06/16/2022 21:57	CM

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: 6/9/2022 10:00:00 AM
Lab ID: 2206E69-002	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337998	1	06/16/2022 20:31	JM
Arsenic	BRL	0.0100		mg/L	337998	1	06/16/2022 20:31	JM
Barium	BRL	0.0200		mg/L	337998	1	06/16/2022 20:31	JM
Beryllium	BRL	0.00300		mg/L	337998	1	06/16/2022 20:31	JM
Cadmium	BRL	0.00500		mg/L	337998	1	06/16/2022 20:31	JM
Chromium	BRL	0.0100		mg/L	337998	1	06/16/2022 20:31	JM
Cobalt	BRL	0.0400		mg/L	337998	1	06/16/2022 20:31	JM
Copper	BRL	0.0200		mg/L	337998	1	06/16/2022 20:31	JM
Lead	BRL	0.0150		mg/L	337998	1	06/16/2022 20:31	JM
Nickel	BRL	0.0200		mg/L	337998	1	06/16/2022 20:31	JM
Selenium	BRL	0.0100		mg/L	337998	1	06/16/2022 20:31	JM
Silver	BRL	0.0100		mg/L	337998	1	06/16/2022 20:31	JM
Thallium	BRL	0.00200		mg/L	337998	1	06/16/2022 20:31	JM
Vanadium	BRL	0.0200		mg/L	337998	1	06/16/2022 20:31	JM
Zinc	BRL	0.0200		mg/L	337998	1	06/16/2022 20:31	JM

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: 6/9/2022 2:20:00 PM
Lab ID: 2206E69-003	Matrix: Groundwater

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	338346	1	06/17/2022 16:41	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
1,1-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
1,3-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
1,3-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
2,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
2-Butanone	BRL	100		ug/L	338346	1	06/17/2022 16:41	CM
2-Hexanone	BRL	50		ug/L	338346	1	06/17/2022 16:41	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338346	1	06/17/2022 16:41	CM
Acetone	BRL	100		ug/L	338346	1	06/17/2022 16:41	CM
Acetonitrile	BRL	200		ug/L	338346	1	06/17/2022 16:41	CM
Acrolein	BRL	50		ug/L	338346	1	06/17/2022 16:41	CM
Acrylonitrile	BRL	50		ug/L	338346	1	06/17/2022 16:41	CM
Allyl Chloride	BRL	100		ug/L	338346	1	06/17/2022 16:41	CM
Benzene	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
Bromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Bromodichloromethane	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Bromoform	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Bromomethane	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Carbon disulfide	BRL	5.0		ug/L	338346	1	06/17/2022 16:41	CM
Carbon tetrachloride	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
Chlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Chloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
Chloroform	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
Chloromethane	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Chloroprene	BRL	20		ug/L	338346	1	06/17/2022 16:41	CM
cis-1,2-Dichloroethene	5.4	2.0		ug/L	338346	1	06/17/2022 16:41	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
Dibromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Dibromomethane	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Dichlorodifluoromethane	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Ethyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Ethylbenzene	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
Iodomethane	BRL	100		ug/L	338346	1	06/17/2022 16:41	CM
Isobutyl Alcohol	BRL	200		ug/L	338346	1	06/17/2022 16:41	CM

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: 2206E69-003

Client Sample ID: GWC-17
Collection Date: 6/9/2022 2:20:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Methyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Methylacrylonitrile	BRL	200		ug/L	338346	1	06/17/2022 16:41	CM
Methylene chloride	BRL	5.0		ug/L	338346	1	06/17/2022 16:41	CM
Naphthalene	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Propionitrile	BRL	100		ug/L	338346	1	06/17/2022 16:41	CM
Styrene	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Tetrachloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
Toluene	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338346	1	06/17/2022 16:41	CM
Trichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
Trichlorofluoromethane	BRL	10		ug/L	338346	1	06/17/2022 16:41	CM
Vinyl acetate	BRL	100		ug/L	338346	1	06/17/2022 16:41	CM
Vinyl chloride	BRL	2.0		ug/L	338346	1	06/17/2022 16:41	CM
Xylenes, Total	BRL	5.0		ug/L	338346	1	06/17/2022 16:41	CM
Surr: 4-Bromofluorobenzene	87.2	75-118		%REC	338346	1	06/17/2022 16:41	CM
Surr: 4-Bromofluorobenzene	92.4	75-118		%REC	338346	1	06/17/2022 16:41	CM
Surr: Dibromofluoromethane	95.2	82.5-121		%REC	338346	1	06/17/2022 16:41	CM
Surr: Dibromofluoromethane	109	82.5-121		%REC	338346	1	06/17/2022 16:41	CM
Surr: Toluene-d8	96.2	78.3-118		%REC	338346	1	06/17/2022 16:41	CM
Surr: Toluene-d8	105	78.3-118		%REC	338346	1	06/17/2022 16:41	CM
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	337876	1	06/14/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	3.7		ug/L	337800	1	06/15/2022 22:30	YH
1,3,5-Trinitrobenzene	BRL	1.5		ug/L	337800	1	06/15/2022 22:30	YH
1,3-Dinitrobenzene	BRL	7.5		ug/L	337800	1	06/15/2022 22:30	YH
1,4-Napthoquinone	BRL	7.2		ug/L	337800	1	06/15/2022 22:30	YH
1-Naphthylamine	BRL	5.2		ug/L	337800	1	06/15/2022 22:30	YH
2,3,4,6-Tetrachlorophenol	BRL	4.0		ug/L	337800	1	06/15/2022 22:30	YH
2,4,5-Trichlorophenol	BRL	3.9		ug/L	337800	1	06/15/2022 22:30	YH
2,4,6-Trichlorophenol	BRL	3.4		ug/L	337800	1	06/15/2022 22:30	YH
2,4-Dichlorophenol	BRL	3.6		ug/L	337800	1	06/15/2022 22:30	YH
2,4-Dimethylphenol	BRL	3.8		ug/L	337800	1	06/15/2022 22:30	YH
2,4-Dinitrophenol	BRL	8.8		ug/L	337800	1	06/15/2022 22:30	YH
2,4-Dinitrotoluene	BRL	6.0		ug/L	337800	1	06/15/2022 22:30	YH
2,6-Dichlorophenol	BRL	5.9		ug/L	337800	1	06/15/2022 22:30	YH
2,6-Dinitrotoluene	BRL	5.3		ug/L	337800	1	06/15/2022 22:30	YH
2-Acetylaminofluorene	BRL	11		ug/L	337800	1	06/15/2022 22:30	YH
2-Chloronaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 22:30	YH
2-Chlorophenol	BRL	2.0		ug/L	337800	1	06/15/2022 22:30	YH
2-Methylnaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 22:30	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E69-003

Client Sample ID: GWC-17
Collection Date: 6/9/2022 2:20:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Methylphenol	BRL	3.1		ug/L	337800	1	06/15/2022 22:30	YH
2-Naphthylamine	BRL	4.3		ug/L	337800	1	06/15/2022 22:30	YH
2-Nitroaniline	BRL	3.6		ug/L	337800	1	06/15/2022 22:30	YH
2-Nitrophenol	BRL	2.5		ug/L	337800	1	06/15/2022 22:30	YH
3,3'-Dichlorobenzidine	BRL	3.7		ug/L	337800	1	06/15/2022 22:30	YH
3,3'-Dimethoxybenzidine	BRL	10	N	ug/L	337800	1	06/15/2022 22:30	YH
3,3'-Dimethylbenzidine	BRL	9.3		ug/L	337800	1	06/15/2022 22:30	YH
3,4-Methylphenol	BRL	3.3		ug/L	337800	1	06/15/2022 22:30	YH
3-Methylcholanthrene	BRL	8.1		ug/L	337800	1	06/15/2022 22:30	YH
3-Nitroaniline	BRL	4.3		ug/L	337800	1	06/15/2022 22:30	YH
4,6-Dinitro-2-methylphenol	BRL	14		ug/L	337800	1	06/15/2022 22:30	YH
4-Aminobiphenyl	BRL	4.8		ug/L	337800	1	06/15/2022 22:30	YH
4-Bromophenyl phenyl ether	BRL	3.9		ug/L	337800	1	06/15/2022 22:30	YH
4-Chloro-3-methylphenol	BRL	4.0		ug/L	337800	1	06/15/2022 22:30	YH
4-Chloroaniline	BRL	4.9		ug/L	337800	1	06/15/2022 22:30	YH
4-Chlorophenyl phenyl ether	BRL	3.0		ug/L	337800	1	06/15/2022 22:30	YH
4-Nitroaniline	BRL	5.1		ug/L	337800	1	06/15/2022 22:30	YH
4-Nitrophenol	BRL	5.8		ug/L	337800	1	06/15/2022 22:30	YH
5-Nitro-o-toluidine	BRL	4.9		ug/L	337800	1	06/15/2022 22:30	YH
7,12-Dimethylbenz(a)anthracene	BRL	7.0		ug/L	337800	1	06/15/2022 22:30	YH
Acenaphthene	BRL	2.5		ug/L	337800	1	06/15/2022 22:30	YH
Acenaphthylene	BRL	2.7		ug/L	337800	1	06/15/2022 22:30	YH
Acetophenone	BRL	4.0		ug/L	337800	1	06/15/2022 22:30	YH
Anthracene	BRL	2.9		ug/L	337800	1	06/15/2022 22:30	YH
Benz(a)anthracene	BRL	2.8		ug/L	337800	1	06/15/2022 22:30	YH
Benzo(b)fluoranthene	BRL	3.8		ug/L	337800	1	06/15/2022 22:30	YH
Benzo(g,h,i)perylene	BRL	4.2		ug/L	337800	1	06/15/2022 22:30	YH
Benzo(k)fluoranthene	BRL	3.6		ug/L	337800	1	06/15/2022 22:30	YH
Benzyl alcohol	BRL	3.8		ug/L	337800	1	06/15/2022 22:30	YH
Bis(2-chloroethoxy)methane	BRL	2.6		ug/L	337800	1	06/15/2022 22:30	YH
Bis(2-chloroethyl)ether	BRL	2.4		ug/L	337800	1	06/15/2022 22:30	YH
Bis(2-chloroisopropyl)ether	BRL	3.0		ug/L	337800	1	06/15/2022 22:30	YH
Bis(2-ethylhexyl)phthalate	BRL	4.4		ug/L	337800	1	06/15/2022 22:30	YH
Butyl benzyl phthalate	BRL	3.4		ug/L	337800	1	06/15/2022 22:30	YH
Chlorobenzilate	BRL	5.8		ug/L	337800	1	06/15/2022 22:30	YH
Chrysene	BRL	2.7		ug/L	337800	1	06/15/2022 22:30	YH
Di-n-butyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 22:30	YH
Di-n-octyl phthalate	BRL	9.3		ug/L	337800	1	06/15/2022 22:30	YH
Diallate	BRL	5.1		ug/L	337800	1	06/15/2022 22:30	YH
Dibenz(a,h)anthracene	BRL	4.5		ug/L	337800	1	06/15/2022 22:30	YH
Dibenzofuran	BRL	2.7		ug/L	337800	1	06/15/2022 22:30	YH
Diethyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 22:30	YH
Dimethoate	BRL	5.8		ug/L	337800	1	06/15/2022 22:30	YH
Dimethyl phthalate	BRL	2.8		ug/L	337800	1	06/15/2022 22:30	YH
Dimethylaminoazobenzene	BRL	3.5	N	ug/L	337800	1	06/15/2022 22:30	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-17
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 2:20:00 PM
Lab ID: 2206E69-003	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Disulfoton	BRL	5.7		ug/L	337800	1	06/15/2022 22:30	YH
Ethyl methanesulfonate	BRL	4.4		ug/L	337800	1	06/15/2022 22:30	YH
Famphur	BRL	3.4		ug/L	337800	1	06/15/2022 22:30	YH
Fluoranthene	BRL	3.0		ug/L	337800	1	06/15/2022 22:30	YH
Fluorene	BRL	2.7		ug/L	337800	1	06/15/2022 22:30	YH
Hexachlorobutadiene	BRL	4.2		ug/L	337800	1	06/15/2022 22:30	YH
Hexachlorocyclopentadiene	BRL	8.4		ug/L	337800	1	06/15/2022 22:30	YH
Hexachloroethane	BRL	3.1		ug/L	337800	1	06/15/2022 22:30	YH
Hexachloropropene	BRL	7.4		ug/L	337800	1	06/15/2022 22:30	YH
Indeno(1,2,3-cd)pyrene	BRL	4.2		ug/L	337800	1	06/15/2022 22:30	YH
Isodrin	BRL	5.4		ug/L	337800	1	06/15/2022 22:30	YH
Isophorone	BRL	3.5		ug/L	337800	1	06/15/2022 22:30	YH
Isosafrole	BRL	6.5		ug/L	337800	1	06/15/2022 22:30	YH
Kepone	BRL	5.4		ug/L	337800	1	06/15/2022 22:30	YH
Methapyrilene	BRL	8.0		ug/L	337800	1	06/15/2022 22:30	YH
Methyl methanesulfonate	BRL	5.5		ug/L	337800	1	06/15/2022 22:30	YH
Methyl parathion	BRL	4.4		ug/L	337800	1	06/15/2022 22:30	YH
N-Nitrosodi-n-butylamine	BRL	3.5		ug/L	337800	1	06/15/2022 22:30	YH
N-Nitrosodi-n-propylamine	BRL	2.5		ug/L	337800	1	06/15/2022 22:30	YH
N-Nitrosodiethylamine	BRL	2.7		ug/L	337800	1	06/15/2022 22:30	YH
N-Nitrosodimethylamine	BRL	4.0		ug/L	337800	1	06/15/2022 22:30	YH
N-Nitrosodiphenylamine	BRL	2.4		ug/L	337800	1	06/15/2022 22:30	YH
N-Nitrosomethylethylamine	BRL	1.5		ug/L	337800	1	06/15/2022 22:30	YH
N-Nitrosopiperidine	BRL	2.3		ug/L	337800	1	06/15/2022 22:30	YH
N-Nitrosopyrrolidine	BRL	2.9		ug/L	337800	1	06/15/2022 22:30	YH
Nitrobenzene	BRL	2.5		ug/L	337800	1	06/15/2022 22:30	YH
O,O,O-Triethyl phosphorothioate	BRL	3.3		ug/L	337800	1	06/15/2022 22:30	YH
o-Toluidine	BRL	7.5		ug/L	337800	1	06/15/2022 22:30	YH
p-Phenylenediamine	BRL	5.7		ug/L	337800	1	06/15/2022 22:30	YH
Parathion	BRL	4.4		ug/L	337800	1	06/15/2022 22:30	YH
Pentachlorobenzene	BRL	3.8		ug/L	337800	1	06/15/2022 22:30	YH
Pentachloronitrobenzene	BRL	5.6		ug/L	337800	1	06/15/2022 22:30	YH
Phenacetin	BRL	6.0		ug/L	337800	1	06/15/2022 22:30	YH
Phenanthrene	BRL	2.9		ug/L	337800	1	06/15/2022 22:30	YH
Phenol	BRL	2.9		ug/L	337800	1	06/15/2022 22:30	YH
Phorate	BRL	3.5		ug/L	337800	1	06/15/2022 22:30	YH
Pronamide	BRL	7.0		ug/L	337800	1	06/15/2022 22:30	YH
Pyrene	BRL	2.9		ug/L	337800	1	06/15/2022 22:30	YH
Safrole	BRL	7.3		ug/L	337800	1	06/15/2022 22:30	YH
Thionazin	BRL	4.1		ug/L	337800	1	06/15/2022 22:30	YH
Surr: 2,4,6-Tribromophenol	58	46-135		%REC	337800	1	06/15/2022 22:30	YH
Surr: 2-Fluorobiphenyl	82.6	45-121		%REC	337800	1	06/15/2022 22:30	YH
Surr: 2-Fluorophenol	18.2	28.2-120	S	%REC	337800	1	06/15/2022 22:30	YH
Surr: 4-Terphenyl-d14	103	44-120		%REC	337800	1	06/15/2022 22:30	YH
Surr: Nitrobenzene-d5	64.8	41-123		%REC	337800	1	06/15/2022 22:30	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-17
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 2:20:00 PM
Lab ID: 2206E69-003	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
Surr: Phenol-d5	14	19.5-120	S	%REC	337800	1	06/15/2022 22:30	YH
POLYCHLORINATED BIPHENYLS SW8082A		(SW3510C)						
Aroclor 1016	BRL	0.50		ug/L	338111	1	06/16/2022 19:43	ST
Aroclor 1221	BRL	0.50		ug/L	338111	1	06/16/2022 19:43	ST
Aroclor 1232	BRL	0.50		ug/L	338111	1	06/16/2022 19:43	ST
Aroclor 1242	BRL	0.50		ug/L	338111	1	06/16/2022 19:43	ST
Aroclor 1248	BRL	0.50		ug/L	338111	1	06/16/2022 19:43	ST
Aroclor 1254	BRL	0.50		ug/L	338111	1	06/16/2022 19:43	ST
Aroclor 1260	BRL	0.50		ug/L	338111	1	06/16/2022 19:43	ST
Surr: Decachlorobiphenyl	80.8	30-120		%REC	338111	1	06/16/2022 19:43	ST
Surr: Tetrachloro-m-xylene	71.4	46.5-120		%REC	338111	1	06/16/2022 19:43	ST
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011		(SW8011)						
1,2-Dibromo-3-chloropropane	BRL	0.040		ug/L	338116	1	06/16/2022 13:15	UH
1,2-Dibromoethane	BRL	0.020		ug/L	338116	1	06/16/2022 13:15	UH
Surr: 4-Bromofluorobenzene	109	69.7-138		%REC	338116	1	06/16/2022 13:15	UH
Cyanide SW9014		(SW9010C)						
Cyanide, Total	BRL	0.010		mg/L	338141	1	06/17/2022 20:24	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B		(SW3510C)						
4,4'-DDD	BRL	0.10		ug/L	338037	1	06/16/2022 19:43	ST
4,4'-DDE	BRL	0.10		ug/L	338037	1	06/16/2022 19:43	ST
4,4'-DDT	BRL	0.10		ug/L	338037	1	06/16/2022 19:43	ST
Aldrin	BRL	0.050		ug/L	338037	1	06/16/2022 19:43	ST
alpha-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 19:43	ST
beta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 19:43	ST
Chlordane	BRL	0.50		ug/L	338037	1	06/16/2022 19:43	ST
delta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 19:43	ST
Dieldrin	BRL	0.10		ug/L	338037	1	06/16/2022 19:43	ST
Endosulfan I	BRL	0.050		ug/L	338037	1	06/16/2022 19:43	ST
Endosulfan II	BRL	0.10		ug/L	338037	1	06/16/2022 19:43	ST
Endosulfan sulfate	BRL	0.10		ug/L	338037	1	06/16/2022 19:43	ST
Endrin	BRL	0.10		ug/L	338037	1	06/16/2022 19:43	ST
Endrin aldehyde	BRL	0.10		ug/L	338037	1	06/16/2022 19:43	ST
gamma-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 19:43	ST
Heptachlor	BRL	0.050		ug/L	338037	1	06/16/2022 19:43	ST
Heptachlor epoxide	BRL	0.050		ug/L	338037	1	06/16/2022 19:43	ST
Methoxychlor	BRL	0.50		ug/L	338037	1	06/16/2022 19:43	ST
Toxaphene	BRL	3.0		ug/L	338037	1	06/16/2022 19:43	ST
Surr: Decachlorobiphenyl	151	27-130	S	%REC	338037	1	06/16/2022 19:43	ST
Surr: Tetrachloro-m-xylene	127	40.1-130		%REC	338037	1	06/16/2022 19:43	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A		(SW3510C)						

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: 6/9/2022 2:20:00 PM
Lab ID: 2206E69-003	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	338002	1	06/16/2022 18:05	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	338002	1	06/16/2022 18:05	UH
2,4-D	BRL	2.0		ug/L	338002	1	06/16/2022 18:05	UH
Dinoseb	BRL	5.0		ug/L	338002	1	06/16/2022 18:05	UH
Pentachlorophenol	BRL	1.0		ug/L	338002	1	06/16/2022 18:05	UH
Surr: DCAA	78	47-120		%REC	338002	1	06/16/2022 18:05	UH

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

Analytical Environmental Services, Inc.

Date: 08-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E69-003

Client Sample ID: GWC-17
Collection Date: 6/9/2022 2:20:00 PM
Matrix: GROUNDWATER

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/24/2022 6:38 PM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/22/2022 6:44 PM
Surr: 4-Terphenyl-d14	74.8	65.5-137		%REC	338060	1	6/22/2022 6:44 PM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-17
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022 10:30:00 AM
Lab ID: 2206E69-004	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Mercury, Total SW7470A					(SW7470A)			
Mercury	BRL	0.00050		mg/L	338886	1	06/30/2022 17:13	GR
APPENDIX II METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337998	1	06/16/2022 21:06	JM
Arsenic	BRL	0.0100		mg/L	337998	1	06/16/2022 21:06	JM
Barium	0.0411	0.0200		mg/L	337998	1	06/16/2022 21:06	JM
Beryllium	BRL	0.00400		mg/L	337998	1	06/16/2022 21:06	JM
Cadmium	BRL	0.00500		mg/L	337998	1	06/16/2022 21:06	JM
Chromium	BRL	0.0200		mg/L	337998	1	06/16/2022 21:06	JM
Cobalt	BRL	0.0500		mg/L	337998	1	06/16/2022 21:06	JM
Copper	BRL	0.0200		mg/L	337998	1	06/16/2022 21:06	JM
Lead	BRL	0.0100		mg/L	337998	1	06/16/2022 21:06	JM
Nickel	BRL	0.0400		mg/L	337998	1	06/16/2022 21:06	JM
Selenium	BRL	0.0500		mg/L	337998	1	06/16/2022 21:06	JM
Silver	BRL	0.00500		mg/L	337998	1	06/16/2022 21:06	JM
Thallium	BRL	0.00200		mg/L	337998	1	06/16/2022 21:06	JM
Tin	BRL	0.0400		mg/L	337998	1	06/16/2022 21:06	JM
Vanadium	BRL	0.0500		mg/L	337998	1	06/16/2022 21:06	JM
Zinc	BRL	0.0200		mg/L	337998	1	06/16/2022 21:06	JM

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: 6/8/2022 2:50:00 PM
Lab ID: 2206E69-005	Matrix: Groundwater

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	338346	1	06/17/2022 17:05	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
1,1-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	338346	1	06/17/2022 17:05	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338346	1	06/17/2022 17:05	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
1,3-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
1,3-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
2,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
2-Butanone	BRL	100		ug/L	338346	1	06/17/2022 17:05	CM
2-Hexanone	BRL	50		ug/L	338346	1	06/17/2022 17:05	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338346	1	06/17/2022 17:05	CM
Acetone	BRL	100		ug/L	338346	1	06/17/2022 17:05	CM
Acetonitrile	BRL	200		ug/L	338346	1	06/17/2022 17:05	CM
Acrolein	BRL	50		ug/L	338346	1	06/17/2022 17:05	CM
Acrylonitrile	BRL	50		ug/L	338346	1	06/17/2022 17:05	CM
Allyl Chloride	BRL	100		ug/L	338346	1	06/17/2022 17:05	CM
Benzene	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
Bromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Bromodichloromethane	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Bromoform	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Bromomethane	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Carbon disulfide	BRL	5.0		ug/L	338346	1	06/17/2022 17:05	CM
Carbon tetrachloride	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
Chlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Chloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
Chloroform	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
Chloromethane	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Chloroprene	BRL	20		ug/L	338346	1	06/17/2022 17:05	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
Dibromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Dibromomethane	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Dichlorodifluoromethane	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Ethyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Ethylbenzene	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM

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: 2206E69-005

Client Sample ID: AMW-12
 Collection Date: 6/8/2022 2:50:00 PM
 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D					(SW5030B)			
Iodomethane	BRL	100		ug/L	338346	1	06/17/2022 17:05	CM
Isobutyl Alcohol	BRL	200		ug/L	338346	1	06/17/2022 17:05	CM
Methyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Methylacrylonitrile	BRL	200		ug/L	338346	1	06/17/2022 17:05	CM
Methylene chloride	BRL	5.0		ug/L	338346	1	06/17/2022 17:05	CM
Naphthalene	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Propionitrile	BRL	100		ug/L	338346	1	06/17/2022 17:05	CM
Styrene	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Tetrachloroethene	2.2	2.0		ug/L	338346	1	06/17/2022 17:05	CM
Toluene	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338346	1	06/17/2022 17:05	CM
Trichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
Trichlorofluoromethane	BRL	10		ug/L	338346	1	06/17/2022 17:05	CM
Vinyl acetate	BRL	100		ug/L	338346	1	06/17/2022 17:05	CM
Vinyl chloride	BRL	2.0		ug/L	338346	1	06/17/2022 17:05	CM
Xylenes, Total	BRL	5.0		ug/L	338346	1	06/17/2022 17:05	CM
Surr: 4-Bromofluorobenzene	92.4	75-118		%REC	338346	1	06/17/2022 17:05	CM
Surr: 4-Bromofluorobenzene	87.2	75-118		%REC	338346	1	06/17/2022 17:05	CM
Surr: Dibromofluoromethane	111	82.5-121		%REC	338346	1	06/17/2022 17:05	CM
Surr: Dibromofluoromethane	95.9	82.5-121		%REC	338346	1	06/17/2022 17:05	CM
Surr: Toluene-d8	97.2	78.3-118		%REC	338346	1	06/17/2022 17:05	CM
Surr: Toluene-d8	105	78.3-118		%REC	338346	1	06/17/2022 17:05	CM
ION SCAN SW9056A								
Chloride	1.3	1.0		mg/L	R489292	1	06/21/2022 01:22	KV

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: 6/9/2022 10:05:00 AM
Lab ID: 2206E69-006	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Metals by ICP/MS SW6020B					(SW3005A)			
Magnesium	1.18	0.100		mg/L	337998	1	06/16/2022 21:09	JM
Potassium	1.83	0.100		mg/L	337998	1	06/16/2022 21:09	JM

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-12R
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 3:30:00 PM
Lab ID: 2206E69-007	Matrix: Groundwater

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	338343	1	06/20/2022 12:26	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
1,1-Dichloroethane	6.3	2.0		ug/L	338343	1	06/20/2022 12:26	OM
1,1-Dichloroethene	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
1,1-Dichloropropene	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	338343	1	06/20/2022 12:26	OM
1,2-Dibromoethane	BRL	1.0		ug/L	338343	1	06/20/2022 12:26	OM
1,2-Dichlorobenzene	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
1,2-Dichloroethane	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
1,2-Dichloropropane	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
1,3-Dichlorobenzene	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
1,3-Dichloropropane	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
1,4-Dichlorobenzene	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
2,2-Dichloropropane	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
2-Butanone	BRL	100		ug/L	338343	1	06/20/2022 12:26	OM
2-Hexanone	BRL	50		ug/L	338343	1	06/20/2022 12:26	OM
4-Methyl-2-pentanone	BRL	50		ug/L	338343	1	06/20/2022 12:26	OM
Acetone	BRL	100		ug/L	338343	1	06/20/2022 12:26	OM
Acetonitrile	BRL	200		ug/L	338343	1	06/20/2022 12:26	OM
Acrolein	BRL	50		ug/L	338343	1	06/20/2022 12:26	OM
Acrylonitrile	BRL	50		ug/L	338343	1	06/20/2022 12:26	OM
Allyl Chloride	BRL	100		ug/L	338343	1	06/20/2022 12:26	OM
Benzene	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
Bromochloromethane	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Bromodichloromethane	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Bromoform	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Bromomethane	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Carbon disulfide	BRL	5.0		ug/L	338343	1	06/20/2022 12:26	OM
Carbon tetrachloride	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
Chlorobenzene	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Chloroethane	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
Chloroform	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
Chloromethane	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Chloroprene	BRL	20		ug/L	338343	1	06/20/2022 12:26	OM
cis-1,2-Dichloroethene	5.2	2.0		ug/L	338343	1	06/20/2022 12:26	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
Dibromochloromethane	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Dibromomethane	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Dichlorodifluoromethane	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Ethyl Methacrylate	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Ethylbenzene	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	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: 2206E69-007

Client Sample ID: AMW-12R
Collection Date: 6/8/2022 3:30:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D						
(SW5030B)								
Iodomethane	BRL	100		ug/L	338343	1	06/20/2022 12:26	OM
Isobutyl Alcohol	BRL	200		ug/L	338343	1	06/20/2022 12:26	OM
Methyl Methacrylate	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Methylacrylonitrile	BRL	200		ug/L	338343	1	06/20/2022 12:26	OM
Methylene chloride	BRL	5.0		ug/L	338343	1	06/20/2022 12:26	OM
Naphthalene	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Propionitrile	BRL	100		ug/L	338343	1	06/20/2022 12:26	OM
Styrene	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Tetrachloroethene	18	2.0		ug/L	338343	1	06/20/2022 12:26	OM
Toluene	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338343	1	06/20/2022 12:26	OM
Trichloroethene	4.6	2.0		ug/L	338343	1	06/20/2022 12:26	OM
Trichlorofluoromethane	BRL	10		ug/L	338343	1	06/20/2022 12:26	OM
Vinyl acetate	BRL	100		ug/L	338343	1	06/20/2022 12:26	OM
Vinyl chloride	BRL	2.0		ug/L	338343	1	06/20/2022 12:26	OM
Xylenes, Total	BRL	5.0		ug/L	338343	1	06/20/2022 12:26	OM
Surr: 4-Bromofluorobenzene	96.4	75-118		%REC	338343	1	06/20/2022 12:26	OM
Surr: 4-Bromofluorobenzene	100	75-118		%REC	338343	1	06/20/2022 12:26	OM
Surr: Dibromofluoromethane	102	82.5-121		%REC	338343	1	06/20/2022 12:26	OM
Surr: Dibromofluoromethane	103	82.5-121		%REC	338343	1	06/20/2022 12:26	OM
Surr: Toluene-d8	102	78.3-118		%REC	338343	1	06/20/2022 12:26	OM
Surr: Toluene-d8	104	78.3-118		%REC	338343	1	06/20/2022 12:26	OM
ION SCAN		SW9056A						
Chloride	1.5	1.0		mg/L	R489292	1	06/21/2022 01:38	KV

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: 6/9/2022 10:10:00 AM
Lab ID: 2206E69-008	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Metals by ICP/MS SW6020B					(SW3005A)			
Magnesium	2.23	0.100		mg/L	337998	1	06/16/2022 21:13	JM
Potassium	2.09	0.100		mg/L	337998	1	06/16/2022 21:13	JM

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: 6/10/2022 9:25:00 AM
Lab ID: 2206E69-009	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	337998	1	06/16/2022 21:17	JM
Arsenic	BRL	0.0100		mg/L	337998	1	06/16/2022 21:17	JM
Barium	BRL	0.0200		mg/L	337998	1	06/16/2022 21:17	JM
Beryllium	BRL	0.00300		mg/L	337998	1	06/16/2022 21:17	JM
Cadmium	BRL	0.00500		mg/L	337998	1	06/16/2022 21:17	JM
Chromium	BRL	0.0100		mg/L	337998	1	06/16/2022 21:17	JM
Cobalt	BRL	0.0400		mg/L	337998	1	06/16/2022 21:17	JM
Copper	BRL	0.0200		mg/L	337998	1	06/16/2022 21:17	JM
Lead	BRL	0.0150		mg/L	337998	1	06/16/2022 21:17	JM
Nickel	BRL	0.0200		mg/L	337998	1	06/16/2022 21:17	JM
Selenium	BRL	0.0100		mg/L	337998	1	06/16/2022 21:17	JM
Silver	BRL	0.0100		mg/L	337998	1	06/16/2022 21:17	JM
Thallium	BRL	0.00200		mg/L	337998	1	06/16/2022 21:17	JM
Vanadium	BRL	0.0200		mg/L	337998	1	06/16/2022 21:17	JM
Zinc	0.0294	0.0200		mg/L	337998	1	06/16/2022 21:17	JM

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: 2206E69-010

Client Sample ID: PH1-GWC-1
Collection Date: 6/10/2022 9:45:00 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	337998	1	06/16/2022 21:20	JM
Arsenic	BRL	0.0100		mg/L	337998	1	06/16/2022 21:20	JM
Barium	0.0420	0.0200		mg/L	337998	1	06/16/2022 21:20	JM
Beryllium	BRL	0.00300		mg/L	337998	1	06/16/2022 21:20	JM
Cadmium	BRL	0.00500		mg/L	337998	1	06/16/2022 21:20	JM
Chromium	BRL	0.0100		mg/L	337998	1	06/16/2022 21:20	JM
Cobalt	BRL	0.0400		mg/L	337998	1	06/16/2022 21:20	JM
Copper	BRL	0.0200		mg/L	337998	1	06/16/2022 21:20	JM
Lead	BRL	0.0150		mg/L	337998	1	06/16/2022 21:20	JM
Nickel	BRL	0.0200		mg/L	337998	1	06/16/2022 21:20	JM
Selenium	BRL	0.0100		mg/L	337998	1	06/16/2022 21:20	JM
Silver	BRL	0.0100		mg/L	337998	1	06/16/2022 21:20	JM
Thallium	BRL	0.00200		mg/L	337998	1	06/16/2022 21:20	JM
Vanadium	BRL	0.0200		mg/L	337998	1	06/16/2022 21:20	JM
Zinc	BRL	0.0200		mg/L	337998	1	06/16/2022 21:20	JM

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: 6/10/2022 9:55:00 AM
Lab ID: 2206E69-011	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	337998	1	06/16/2022 21:24	JM
Arsenic	BRL	0.0100		mg/L	337998	1	06/16/2022 21:24	JM
Barium	0.0335	0.0200		mg/L	337998	1	06/16/2022 21:24	JM
Beryllium	BRL	0.00300		mg/L	337998	1	06/16/2022 21:24	JM
Cadmium	BRL	0.00500		mg/L	337998	1	06/16/2022 21:24	JM
Chromium	BRL	0.0100		mg/L	337998	1	06/16/2022 21:24	JM
Cobalt	BRL	0.0400		mg/L	337998	1	06/16/2022 21:24	JM
Copper	BRL	0.0200		mg/L	337998	1	06/16/2022 21:24	JM
Lead	BRL	0.0150		mg/L	337998	1	06/16/2022 21:24	JM
Nickel	BRL	0.0200		mg/L	337998	1	06/16/2022 21:24	JM
Selenium	BRL	0.0100		mg/L	337998	1	06/16/2022 21:24	JM
Silver	BRL	0.0100		mg/L	337998	1	06/16/2022 21:24	JM
Thallium	BRL	0.00200		mg/L	337998	1	06/16/2022 21:24	JM
Vanadium	BRL	0.0200		mg/L	337998	1	06/16/2022 21:24	JM
Zinc	BRL	0.0200		mg/L	337998	1	06/16/2022 21:24	JM

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: 6/10/2022 10:15:00 AM
Lab ID: 2206E69-012	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	337998	1	06/16/2022 21:27	JM
Arsenic	BRL	0.0100		mg/L	337998	1	06/16/2022 21:27	JM
Barium	0.0208	0.0200		mg/L	337998	1	06/16/2022 21:27	JM
Beryllium	BRL	0.00300		mg/L	337998	1	06/16/2022 21:27	JM
Cadmium	BRL	0.00500		mg/L	337998	1	06/16/2022 21:27	JM
Chromium	BRL	0.0100		mg/L	337998	1	06/16/2022 21:27	JM
Cobalt	0.0855	0.0400		mg/L	337998	1	06/16/2022 21:27	JM
Copper	BRL	0.0200		mg/L	337998	1	06/16/2022 21:27	JM
Lead	BRL	0.0150		mg/L	337998	1	06/16/2022 21:27	JM
Nickel	BRL	0.0200		mg/L	337998	1	06/16/2022 21:27	JM
Selenium	BRL	0.0100		mg/L	337998	1	06/16/2022 21:27	JM
Silver	BRL	0.0100		mg/L	337998	1	06/16/2022 21:27	JM
Thallium	BRL	0.00200		mg/L	337998	1	06/16/2022 21:27	JM
Vanadium	BRL	0.0200		mg/L	337998	1	06/16/2022 21:27	JM
Zinc	0.0221	0.0200		mg/L	337998	1	06/16/2022 21:27	JM

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: 6/10/2022 10:25:00 AM
Lab ID: 2206E69-013	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Mercury, Total SW7470A								
					(SW7470A)			
Mercury	BRL	0.00050		mg/L	338886	1	06/30/2022 17:16	GR
APPENDIX II METALS SW6020B								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337998	1	06/16/2022 21:31	JM
Arsenic	BRL	0.0100		mg/L	337998	1	06/16/2022 21:31	JM
Barium	BRL	0.0200		mg/L	337998	1	06/16/2022 21:31	JM
Beryllium	BRL	0.00400		mg/L	337998	1	06/16/2022 21:31	JM
Cadmium	BRL	0.00500		mg/L	337998	1	06/16/2022 21:31	JM
Chromium	BRL	0.0200		mg/L	337998	1	06/16/2022 21:31	JM
Cobalt	BRL	0.0500		mg/L	337998	1	06/16/2022 21:31	JM
Copper	BRL	0.0200		mg/L	337998	1	06/16/2022 21:31	JM
Lead	BRL	0.0100		mg/L	337998	1	06/16/2022 21:31	JM
Nickel	BRL	0.0400		mg/L	337998	1	06/16/2022 21:31	JM
Selenium	BRL	0.0500		mg/L	337998	1	06/16/2022 21:31	JM
Silver	BRL	0.00500		mg/L	337998	1	06/16/2022 21:31	JM
Thallium	BRL	0.00200		mg/L	337998	1	06/16/2022 21:31	JM
Tin	BRL	0.0400		mg/L	337998	1	06/16/2022 21:31	JM
Vanadium	BRL	0.0500		mg/L	337998	1	06/16/2022 21:31	JM
Zinc	0.0341	0.0200		mg/L	337998	1	06/16/2022 21:31	JM

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
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022
Lab ID: 2206E69-014	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	338274	1	06/21/2022 12:43	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
1,1-Dichloroethane	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
1,1-Dichloroethene	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
1,1-Dichloropropene	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	338274	1	06/21/2022 12:43	OM
1,2-Dibromoethane	BRL	1.0		ug/L	338274	1	06/21/2022 12:43	OM
1,2-Dichlorobenzene	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
1,2-Dichloroethane	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
1,2-Dichloropropane	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
1,3-Dichlorobenzene	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
1,3-Dichloropropane	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
1,4-Dichlorobenzene	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
2,2-Dichloropropane	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
2-Butanone	BRL	100		ug/L	338274	1	06/21/2022 12:43	OM
2-Hexanone	BRL	50		ug/L	338274	1	06/21/2022 12:43	OM
4-Methyl-2-pentanone	BRL	50		ug/L	338274	1	06/21/2022 12:43	OM
Acetone	BRL	100		ug/L	338274	1	06/21/2022 12:43	OM
Acetonitrile	BRL	200		ug/L	338346	1	06/17/2022 15:27	CM
Acrolein	BRL	50		ug/L	338274	1	06/21/2022 12:43	OM
Acrylonitrile	BRL	50		ug/L	338274	1	06/21/2022 12:43	OM
Allyl Chloride	BRL	100		ug/L	338346	1	06/17/2022 15:27	CM
Benzene	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
Bromochloromethane	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
Bromodichloromethane	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
Bromoform	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
Bromomethane	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
Carbon disulfide	BRL	5.0		ug/L	338274	1	06/21/2022 12:43	OM
Carbon tetrachloride	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
Chlorobenzene	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
Chloroethane	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
Chloroform	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
Chloromethane	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
Chloroprene	BRL	20		ug/L	338346	1	06/17/2022 15:27	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
Dibromochloromethane	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
Dibromomethane	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
Dichlorodifluoromethane	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
Ethyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 15:27	CM
Ethylbenzene	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	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: TRIP BLANK
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022
Lab ID: 2206E69-014	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D				(SW5030B)			
Iodomethane	BRL	100		ug/L	338274	1	06/21/2022 12:43	OM
Isobutyl Alcohol	BRL	200		ug/L	338346	1	06/17/2022 15:27	CM
Methyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 15:27	CM
Methylacrylonitrile	BRL	200		ug/L	338346	1	06/17/2022 15:27	CM
Methylene chloride	BRL	5.0		ug/L	338274	1	06/21/2022 12:43	OM
Naphthalene	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
Propionitrile	BRL	100		ug/L	338346	1	06/17/2022 15:27	CM
Styrene	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
Tetrachloroethene	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
Toluene	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338274	1	06/21/2022 12:43	OM
Trichloroethene	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
Trichlorofluoromethane	BRL	10		ug/L	338274	1	06/21/2022 12:43	OM
Vinyl acetate	BRL	100		ug/L	338274	1	06/21/2022 12:43	OM
Vinyl chloride	BRL	2.0		ug/L	338274	1	06/21/2022 12:43	OM
Xylenes, Total	BRL	5.0		ug/L	338274	1	06/21/2022 12:43	OM
Surr: 4-Bromofluorobenzene	93.9	75-118		%REC	338346	1	06/17/2022 15:27	CM
Surr: 4-Bromofluorobenzene	102	75-118		%REC	338274	1	06/21/2022 12:43	OM
Surr: Dibromofluoromethane	101	82.5-121		%REC	338274	1	06/21/2022 12:43	OM
Surr: Dibromofluoromethane	111	82.5-121		%REC	338346	1	06/17/2022 15:27	CM
Surr: Toluene-d8	104	78.3-118		%REC	338274	1	06/21/2022 12:43	OM
Surr: Toluene-d8	106	78.3-118		%REC	338346	1	06/17/2022 15:27	CM

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: 2206E69

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 type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
5. Custody seals intact on shipping container?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
6. Temperature blanks present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
10. Sampler name and/or signature on COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
11. Were all samples received within holding time?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
12. TAT marked on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	

13. Cooler 1 Temperature 2.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). HM 6/13/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
26. Were trip blanks submitted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input checked="" type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). HM 6/13/22

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
29. Containers meet preservation guidelines?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
30. 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 28-30 (dated initials). HM 6/13/22

Locked

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: MB-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
Sample Type: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11410432							
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'-Biphenyl	BRL	10									
1,2,4,5-Tetrachlorobenzene	BRL	10									
1,2,4-Trichlorobenzene	BRL	10									
1,2-Dichlorobenzene	BRL	10									
1,2-Diphenylhydrazine	BRL	10									
1,3,5-Trinitrobenzene	BRL	10									
1,3-Dichlorobenzene	BRL	10									
1,3-Dinitrobenzene	BRL	20									
1,4-Dichlorobenzene	BRL	10									
1,4-Napthoquinone	BRL	10									
1-Chloronaphthalene	BRL	10									
1-Methylnaphthalene	BRL	10									
1-Naphthylamine	BRL	10									
2,2'-oxybis(1-Chloropropane)	BRL	10									
2,3,4,6-Tetrachlorophenol	BRL	10									
2,3-Dichloroaniline	BRL	10									N
2,4,5-Trichlorophenol	BRL	25									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
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									

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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: MB-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11410432							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Naphthylamine	BRL	10									
2-Nitroaniline	BRL	50									
2-Nitrophenol	BRL	10									
2-Picoline	BRL	10									
3,3'-Dichlorobenzidine	BRL	20									
3,3'-Dimethoxybenzidine	BRL	10									N
3,3'-Dimethylbenzidine	BRL	20									
3,4-Methylphenol	BRL	10									
3-Chloroaniline	BRL	10									
3-Methylcholanthrene	BRL	10									
3-Methylphenol	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
4-Aminobiphenyl	BRL	10									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
4-Chloroaniline	BRL	10									
4-Chlorophenyl phenyl ether	BRL	10									
4-Methylphenol	BRL	10									
4-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
4-Nitroquinoline,1-oxide	BRL	50									
5-Nitro-o-toluidine	BRL	10									
7,12-Dimethylbenz(a)anthracene	BRL	10									
a,a-Dimethylphenethylamine	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: MB-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11410432							
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
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									
Allethrin	BRL	10									N
alpha-Terpineol	BRL	10									N
Aniline	BRL	10									
Anthracene	BRL	10									
Aramite	BRL	10									
Atrazine	BRL	10									
Baygon	BRL	10									N
Benz(a)anthracene	BRL	10									
Benzaldehyde	BRL	10									
Benzidine	BRL	80									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Benzoic acid	BRL	100									
Benzyl alcohol	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-chloroisopropyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Bis(chloromethyl) ether	BRL	100									N
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: MB-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11410432							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzilate	BRL	10									
Chloropyrifos	BRL	10									N
Chrysene	BRL	10									
Decane	BRL	10									N
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Diallate	BRL	10									
Diazinon	BRL	10									N
Dibenz(a,h)anthracene	BRL	10									
Dibenz(a,j)acridine	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethoate	BRL	20									
Dimethyl phthalate	BRL	10									
Dimethylaminoazobenzene	BRL	10									N
Diphenylamine	BRL	10									
Disulfoton	BRL	10									
Ethyl methanesulfonate	BRL	10									
Famphur	BRL	20									
Fenvalerate	BRL	10									N
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									
Hexachloroethane	BRL	10									
Hexachlorophene	BRL	80									

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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: MB-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11410432							
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
Hexachloropropene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isodrin	BRL	10									
Isophorone	BRL	10									
Isosafrole	BRL	10									
Kepone	BRL	50									
Methapyrilene	BRL	20									
Methyl methanesulfonate	BRL	10									
Methyl parathion	BRL	10									
MGK-264	BRL	10									N
N-Nitrosodi-n-butylamine	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiethylamine	BRL	10									
N-Nitrosodimethylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									
N-Nitrosomethylethylamine	BRL	10									
N-Nitrosomorpholine	BRL	10									
N-Nitrosopiperidine	BRL	10									
N-Nitrosopyrrolidine	BRL	40									
N-Octadecane	BRL	10									N
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
O,O,O-Triethyl phosphorothioate	BRL	10									
o-Toluidine	BRL	10									
p-Dimethylaminoazobenzene	BRL	10									
p-Phenylenediamine	BRL	500									
Parathion	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: MB-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11410432							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Pentachlorobenzene	BRL	10									
Pentachloronitrobenzene	BRL	10									
Pentachlorophenol	BRL	25									
Perylene	BRL	10									N
Phenacetin	BRL	10									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Phenothrin	BRL	10									N
Phorate	BRL	10									
Piperonyl Butoxide	BRL	10									N
Pronamide	BRL	10									
Pyrene	BRL	10									
Pyrethrin	BRL	50									N
Pyridine	BRL	10									
Resmethrin	BRL	10									N
Safrole	BRL	50									
Sym-Trinitrobenzene	BRL	10									
Tetraethyl dithiopyrophosphate	BRL	10									
Tetramethrin	BRL	10									N
Thionazin	BRL	10									
Surr: 2,4,6-Tribromophenol	87.02	0	100.0		87.0	46	135				
Surr: 2-Fluorobiphenyl	59.56	0	50.00		119	45	121				
Surr: 2-Fluorophenol	43.18	0	100.0		43.2	28.2	120				
Surr: 4-Terphenyl-d14	54.90	0	50.00		110	44	120				
Surr: Nitrobenzene-d5	34.78	0	50.00		69.6	41	123				
Surr: Phenol-d5	42.46	0	100.0		42.5	19.5	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: LCS-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: LCS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11380396							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2,4-Trichlorobenzene	76.95	10	100.0		77.0	56.7	124				
1,4-Dichlorobenzene	68.43	10	100.0		68.4	48	124				
2,4-Dinitrotoluene	98.94	10	100.0		98.9	58.4	129				
2-Chlorophenol	72.78	10	100.0		72.8	52.8	120				
4-Chloro-3-methylphenol	87.63	10	100.0		87.6	60.7	122				
4-Nitrophenol	41.83	25	100.0		41.8	20	120				
Acenaphthene	91.38	10	100.0		91.4	60	128				
N-Nitrosodi-n-propylamine	108.0	10	100.0		108	60.1	130				
Pentachlorophenol	53.23	25	100.0		53.2	47	126				
Phenol	33.90	10	100.0		33.9	21.1	120				
Pyrene	89.41	10	100.0		89.4	62.9	135				
Surr: 2,4,6-Tribromophenol	116.6	0	100.0		117	19.5	120				
Surr: 2-Fluorobiphenyl	45.30	0	50.00		90.6	45	121				
Surr: 2-Fluorophenol	39.51	0	100.0		39.5	28.2	120				
Surr: 4-Terphenyl-d14	50.74	0	50.00		101	44	120				
Surr: Nitrobenzene-d5	42.17	0	50.00		84.3	46	135				
Surr: Phenol-d5	44.87	0	100.0		44.9	41	123				

Sample ID: 2206C34-001DMS	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11380400							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2,4-Trichlorobenzene	77.23	10	100.0		77.2	41.4	119				
1,4-Dichlorobenzene	73.49	10	100.0		73.5	40	120				
2,4-Dinitrotoluene	110.4	10	100.0		110	45.1	120				
2-Chlorophenol	50.85	10	100.0		50.8	41.7	120				
4-Chloro-3-methylphenol	79.89	10	100.0		79.9	40	120				
4-Nitrophenol	33.92	25	100.0		33.9	23	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: 2206C34-001DMS	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11380400							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene	99.05	10	100.0		99.0	44.4	118				
N-Nitrosodi-n-propylamine	104.5	10	100.0		104	51	120				
Pentachlorophenol	37.88	25	100.0		37.9	41.1	125				S
Phenol	31.70	10	100.0		31.7	22.1	120				
Pyrene	97.42	10	100.0		97.4	50.4	118				
Surr: 2,4,6-Tribromophenol	76.91	0	100.0		76.9	19.5	120				
Surr: 2-Fluorobiphenyl	46.51	0	50.00		93.0	45	121				
Surr: 2-Fluorophenol	28.46	0	100.0		28.5	28.2	120				
Surr: 4-Terphenyl-d14	53.72	0	50.00		107	44	120				
Surr: Nitrobenzene-d5	37.98	0	50.00		76.0	46	135				
Surr: Phenol-d5	31.70	0	100.0		31.7	41	123				S

Sample ID: 2206C34-001DMSD	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MSD	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11380405							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2,4-Trichlorobenzene	64.11	10	100.0		64.1	41.4	119	77.23	18.6	31.3	
1,4-Dichlorobenzene	62.93	10	100.0		62.9	40	120	73.49	15.5	33	
2,4-Dinitrotoluene	98.39	10	100.0		98.4	45.1	120	110.4	11.5	29.5	
2-Chlorophenol	56.39	10	100.0		56.4	41.7	120	50.85	10.3	33.8	
4-Chloro-3-methylphenol	72.66	10	100.0		72.7	40	120	79.89	9.48	35	
4-Nitrophenol	40.82	25	100.0		40.8	23	120	33.92	18.5	54.9	
Acenaphthene	85.72	10	100.0		85.7	44.4	118	99.05	14.4	27.9	
N-Nitrosodi-n-propylamine	85.36	10	100.0		85.4	51	120	104.5	20.2	29.5	
Pentachlorophenol	44.98	25	100.0		45.0	41.1	125	37.88	17.1	39.4	
Phenol	28.00	10	100.0		28.0	22.1	120	31.70	12.4	48.2	
Pyrene	89.60	10	100.0		89.6	50.4	118	97.42	8.36	27.2	
Surr: 2,4,6-Tribromophenol	87.91	0	100.0		87.9	19.5	120	76.91	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: 2206C34-001DMSD	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675
SampleType: MSD	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11380405

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 2-Fluorobiphenyl	39.65	0	50.00		79.3	45	121	46.51	0	0	
Surr: 2-Fluorophenol	28.80	0	100.0		28.8	28.2	120	28.46	0	0	
Surr: 4-Terphenyl-d14	50.87	0	50.00		102	44	120	53.72	0	0	
Surr: Nitrobenzene-d5	31.31	0	50.00		62.6	46	135	37.98	0	0	
Surr: Phenol-d5	19.71	0	100.0		19.7	41	123	31.70	0	0	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337876

Sample ID: MB-337876	Client ID:	Units: mg/L	Prep Date: 06/13/2022	Run No: 488420							
SampleType: MBLK	TestCode: Sulfide by SW9030B/9034	BatchID: 337876	Analysis Date: 06/13/2022	Seq No: 11365717							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide BRL 2.00

Sample ID: LCS-337876	Client ID:	Units: mg/L	Prep Date: 06/13/2022	Run No: 488420							
SampleType: LCS	TestCode: Sulfide by SW9030B/9034	BatchID: 337876	Analysis Date: 06/13/2022	Seq No: 11365730							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide 19.00 2.00 19.00 100 70 130

Sample ID: 2206714-014EMS	Client ID:	Units: mg/L	Prep Date: 06/13/2022	Run No: 488420							
SampleType: MS	TestCode: Sulfide by SW9030B/9034	BatchID: 337876	Analysis Date: 06/13/2022	Seq No: 11365703							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide 18.00 2.00 19.00 94.7 63.4 129

Sample ID: 2206714-014EMSD	Client ID:	Units: mg/L	Prep Date: 06/13/2022	Run No: 488420							
SampleType: MSD	TestCode: Sulfide by SW9030B/9034	BatchID: 337876	Analysis Date: 06/13/2022	Seq No: 11365704							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide 18.20 2.00 19.00 95.8 63.4 129 18.00 1.10 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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337998

Sample ID: MB-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488893							
SampleType: MBLK	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382934							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Magnesium
Potassium

BRL 0.100
BRL 0.100

Sample ID: MB-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488894							
SampleType: MBLK	TestCode: APPENDIX I METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382990							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Cobalt
Copper
Lead
Nickel
Selenium
Silver
Thallium
Vanadium
Zinc

BRL 0.00600
BRL 0.0100
BRL 0.0200
BRL 0.00300
BRL 0.00500
BRL 0.0100
BRL 0.0400
BRL 0.0200
BRL 0.0150
BRL 0.0200
BRL 0.0100
BRL 0.00500
BRL 0.00200
BRL 0.0200
BRL 0.0200

Sample ID: MB-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488895							
SampleType: MBLK	TestCode: APPENDIX II METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11383046							
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

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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337998

Sample ID: MB-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488895							
SampleType: MBLK	TestCode: APPENDIX II METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11383046							
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									
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									
Tin	BRL	0.0400									
Vanadium	BRL	0.0500									
Zinc	BRL	0.0200									

Sample ID: LCS-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488893							
SampleType: LCS	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382935							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Magnesium	1.024	0.100	1.000		102	80	120				
Potassium	1.020	0.100	1.000		102	80	120				

Sample ID: LCS-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488894							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382991							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09701	0.00600	0.1000		97.0	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337998

Sample ID: LCS-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488894							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382991							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.09957	0.0100	0.1000		99.6	80	120				
Barium	0.09926	0.0200	0.1000		99.3	80	120				
Beryllium	0.09313	0.00400	0.1000		93.1	80	120				
Cadmium	0.09841	0.00500	0.1000		98.4	80	120				
Chromium	0.1023	0.0200	0.1000		102	80	120				
Cobalt	0.1015	0.0500	0.1000		101	80	120				
Copper	0.1371	0.0200	0.1000		137	80	120				S
Lead	0.1029	0.0100	0.1000		103	80	120				
Nickel	0.09917	0.0400	0.1000		99.2	80	120				
Selenium	0.09515	0.0500	0.1000		95.1	80	120				
Silver	0.009938	0.00500	0.0100		99.4	80	120				
Thallium	0.1069	0.00200	0.1000		107	80	120				
Vanadium	0.09861	0.0500	0.1000		98.6	80	120				
Zinc	0.1152	0.0200	0.1000		115	80	120				

Sample ID: LCS-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488895							
SampleType: LCS	TestCode: APPENDIX II METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11383047							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09701	0.00600	0.1000		97.0	80	120				
Arsenic	0.09957	0.0100	0.1000		99.6	80	120				
Barium	0.09926	0.0200	0.1000		99.3	80	120				
Beryllium	0.09313	0.00400	0.1000		93.1	80	120				
Cadmium	0.09841	0.00500	0.1000		98.4	80	120				
Chromium	0.1023	0.0200	0.1000		102	80	120				
Cobalt	0.1015	0.0500	0.1000		101	80	120				
Copper	0.1371	0.0200	0.1000		137	80	120				S
Lead	0.1029	0.0100	0.1000		103	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337998

Sample ID: LCS-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488895							
SampleType: LCS	TestCode: APPENDIX II METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11383047							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Nickel	0.09917	0.0400	0.1000		99.2	80	120				
Selenium	0.09515	0.0500	0.1000		95.1	80	120				
Silver	0.009938	0.00500	0.0100		99.4	80	120				
Thallium	0.1069	0.00200	0.1000		107	80	120				
Tin	0.09880	0.0400	0.1000		98.8	80	120				
Vanadium	0.09861	0.0500	0.1000		98.6	80	120				
Zinc	0.1152	0.0200	0.1000		115	80	120				

Sample ID: 2206E69-002AMS	Client ID: GWC-13	Units: mg/L	Prep Date: 06/15/2022	Run No: 488893							
SampleType: MS	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382937							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Magnesium	1.516	0.100	1.000	0.4587	106	75	125				
Potassium	1.683	0.100	1.000	0.6105	107	75	125				

Sample ID: 2206E69-002AMS	Client ID: GWC-13	Units: mg/L	Prep Date: 06/15/2022	Run No: 488894							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382993							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1014	0.00600	0.1000		101	75	125				
Arsenic	0.09907	0.0100	0.1000		99.1	75	125				
Barium	0.1161	0.0200	0.1000	0.01459	102	75	125				
Beryllium	0.09736	0.00400	0.1000		97.4	75	125				
Cadmium	0.1001	0.00500	0.1000		100	75	125				
Chromium	0.1080	0.0200	0.1000	0.002604	105	75	125				
Cobalt	0.1050	0.0500	0.1000		105	75	125				
Copper	0.1053	0.0200	0.1000		105	75	125				
Lead	0.1066	0.0100	0.1000		107	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337998

Sample ID: 2206E69-002AMS	Client ID: GWC-13	Units: mg/L	Prep Date: 06/15/2022	Run No: 488894							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382993							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Nickel	0.1011	0.0400	0.1000		101	75	125				
Selenium	0.09386	0.0500	0.1000		93.9	75	125				
Silver	0.01021	0.00500	0.0100		102	75	125				
Thallium	0.1114	0.00200	0.1000	0.0005171	111	75	125				
Vanadium	0.1007	0.0500	0.1000		101	75	125				
Zinc	0.1298	0.0200	0.1000	0.01980	110	75	125				

Sample ID: 2206E69-002AMS	Client ID: GWC-13	Units: mg/L	Prep Date: 06/15/2022	Run No: 488895							
SampleType: MS	TestCode: APPENDIX II METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11383049							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1014	0.00600	0.1000		101	75	125				
Arsenic	0.09907	0.0100	0.1000		99.1	75	125				
Barium	0.1161	0.0200	0.1000	0.01459	102	75	125				
Beryllium	0.09736	0.00400	0.1000		97.4	75	125				
Cadmium	0.1001	0.00500	0.1000		100	75	125				
Chromium	0.1080	0.0200	0.1000	0.002604	105	75	125				
Cobalt	0.1050	0.0500	0.1000		105	75	125				
Copper	0.1053	0.0200	0.1000		105	75	125				
Lead	0.1066	0.0100	0.1000		107	75	125				
Nickel	0.1011	0.0400	0.1000		101	75	125				
Selenium	0.09386	0.0500	0.1000		93.9	75	125				
Silver	0.01021	0.00500	0.0100		102	75	125				
Thallium	0.1114	0.00200	0.1000	0.0005171	111	75	125				
Tin	0.1028	0.0400	0.1000		103	75	125				
Vanadium	0.1007	0.0500	0.1000		101	75	125				
Zinc	0.1298	0.0200	0.1000	0.01980	110	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337998

Sample ID: 2206E69-002AMSD	Client ID: GWC-13	Units: mg/L	Prep Date: 06/15/2022	Run No: 488893							
SampleType: MSD	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382938							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Magnesium	1.490	0.100	1.000	0.4587	103	75	125	1.516	1.72	20	
Potassium	1.666	0.100	1.000	0.6105	106	75	125	1.683	1.01	20	

Sample ID: 2206E69-002AMSD	Client ID: GWC-13	Units: mg/L	Prep Date: 06/15/2022	Run No: 488894							
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382994							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09843	0.00600	0.1000		98.4	75	125	0.1014	2.98	20	
Arsenic	0.1006	0.0100	0.1000		101	75	125	0.09907	1.48	20	
Barium	0.1166	0.0200	0.1000	0.01459	102	75	125	0.1161	0.391	20	
Beryllium	0.09513	0.00400	0.1000		95.1	75	125	0.09736	2.32	20	
Cadmium	0.1002	0.00500	0.1000		100	75	125	0.1001	0.113	20	
Chromium	0.1058	0.0200	0.1000	0.002604	103	75	125	0.1080	2.07	20	
Cobalt	0.1034	0.0500	0.1000		103	75	125	0.1050	1.57	20	
Copper	0.1012	0.0200	0.1000		101	75	125	0.1053	3.97	20	
Lead	0.1037	0.0100	0.1000		104	75	125	0.1066	2.76	20	
Nickel	0.09915	0.0400	0.1000		99.1	75	125	0.1011	1.92	20	
Selenium	0.09642	0.0500	0.1000		96.4	75	125	0.09386	2.69	20	
Silver	0.01025	0.00500	0.0100		103	75	125	0.01021	0.355	20	
Thallium	0.1109	0.00200	0.1000	0.0005171	110	75	125	0.1114	0.438	20	
Vanadium	0.09949	0.0500	0.1000		99.5	75	125	0.1007	1.18	20	
Zinc	0.1254	0.0200	0.1000	0.01980	106	75	125	0.1298	3.44	20	

Sample ID: 2206E69-002AMSD	Client ID: GWC-13	Units: mg/L	Prep Date: 06/15/2022	Run No: 488895							
SampleType: MSD	TestCode: APPENDIX II METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11383050							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09843	0.00600	0.1000		98.4	75	125	0.1014	2.98	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 337998

Sample ID: 2206E69-002AMSD	Client ID: GWC-13	Units: mg/L	Prep Date: 06/15/2022	Run No: 488895
SampleType: MSD	TestCode: APPENDIX II METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11383050

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.1006	0.0100	0.1000		101	75	125	0.09907	1.48	20	
Barium	0.1166	0.0200	0.1000	0.01459	102	75	125	0.1161	0.391	20	
Beryllium	0.09513	0.00400	0.1000		95.1	75	125	0.09736	2.32	20	
Cadmium	0.1002	0.00500	0.1000		100	75	125	0.1001	0.113	20	
Chromium	0.1058	0.0200	0.1000	0.002604	103	75	125	0.1080	2.07	20	
Cobalt	0.1034	0.0500	0.1000		103	75	125	0.1050	1.57	20	
Copper	0.1012	0.0200	0.1000		101	75	125	0.1053	3.97	20	
Lead	0.1037	0.0100	0.1000		104	75	125	0.1066	2.76	20	
Nickel	0.09915	0.0400	0.1000		99.1	75	125	0.1011	1.92	20	
Selenium	0.09642	0.0500	0.1000		96.4	75	125	0.09386	2.69	20	
Silver	0.01025	0.00500	0.0100		103	75	125	0.01021	0.355	20	
Thallium	0.1109	0.00200	0.1000	0.0005171	110	75	125	0.1114	0.438	20	
Tin	0.09994	0.0400	0.1000		99.9	75	125	0.1028	2.86	20	
Vanadium	0.09949	0.0500	0.1000		99.5	75	125	0.1007	1.18	20	
Zinc	0.1254	0.0200	0.1000	0.01980	106	75	125	0.1298	3.44	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338002

Sample ID: MB-338002	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488830							
SampleType: MBLK	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 338002	Analysis Date: 06/16/2022	Seq No: 11381526							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-T	BRL	2.0									
2,4,5-TP (Silvex)	BRL	2.0									
2,4-D	BRL	2.0									
Dinoseb	BRL	5.0									
Pentachlorophenol	BRL	1.0									
Surr: DCAA	3.505	0	5.000		70.1	47	120				

Sample ID: LCS-338002	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488830							
SampleType: LCS	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 338002	Analysis Date: 06/16/2022	Seq No: 11381529							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-T	3.931	2.0	5.000		78.6	50.1	120				
2,4,5-TP (Silvex)	3.747	2.0	5.000		74.9	50.2	120				
2,4-D	3.838	2.0	5.000		76.8	50.1	120				
Surr: DCAA	4.017	0	5.000		80.3	47	120				

Sample ID: 2206E72-001DMS	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488830							
SampleType: MS	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 338002	Analysis Date: 06/16/2022	Seq No: 11381514							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-T	4.260	2.0	5.000		85.2	44.9	120				
2,4,5-TP (Silvex)	4.059	2.0	5.000		81.2	45.2	120				
2,4-D	4.063	2.0	5.000		81.3	40	120				
Surr: DCAA	4.227	0	5.000		84.5	47	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338002

Sample ID: 2206E72-001DMSD	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488830
SampleType: MSD	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 338002	Analysis Date: 06/16/2022	Seq No: 11381515

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-T	4.051	2.0	5.000		81.0	44.9	120	4.260	5.04	24	
2,4,5-TP (Silvex)	3.887	2.0	5.000		77.7	45.2	120	4.059	4.31	18.9	
2,4-D	3.894	2.0	5.000		77.9	40	120	4.063	4.23	20.7	
Surr: DCAA	4.041	0	5.000		80.8	47	120	4.227	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338037

Sample ID: MB-338037	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488813							
SampleType: MBLK	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 338037	Analysis Date: 06/16/2022	Seq No: 11381020							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDD	BRL	0.10									
4,4'-DDE	BRL	0.10									
4,4'-DDT	BRL	0.10									
Aldrin	BRL	0.050									
alpha-BHC	BRL	0.050									
beta-BHC	BRL	0.050									
Chlordane	BRL	0.50									
delta-BHC	BRL	0.050									
Dieldrin	BRL	0.10									
Endosulfan I	BRL	0.050									
Endosulfan II	BRL	0.10									
Endosulfan sulfate	BRL	0.10									
Endrin	BRL	0.10									
Endrin aldehyde	BRL	0.10									
gamma-BHC	BRL	0.050									
Heptachlor	BRL	0.050									
Heptachlor epoxide	BRL	0.050									
Methoxychlor	BRL	0.50									
Toxaphene	BRL	3.0									
Surr: Decachlorobiphenyl	0.5375	0	0.5000		108	27	130				
Surr: Tetrachloro-m-xylene	0.3190	0	0.5000		63.8	40.1	130				

Sample ID: LCS-338037	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488813							
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 338037	Analysis Date: 06/16/2022	Seq No: 11381023							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	0.8975	0.10	1.000		89.8	61.5	125				
Aldrin	0.7248	0.050	1.000		72.5	60	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338037

Sample ID: LCS-338037	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488813							
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 338037	Analysis Date: 06/16/2022	Seq No: 11381023							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Dieldrin	0.8292	0.10	1.000		82.9	64.7	120				
Endrin	0.8985	0.10	1.000		89.8	66.9	123				
gamma-BHC	0.8556	0.050	1.000		85.6	70.8	120				
Heptachlor	0.7053	0.050	1.000		70.5	60.6	120				
Surr: Decachlorobiphenyl	0.3694	0	0.5000		73.9	27	130				
Surr: Tetrachloro-m-xylene	0.3118	0	0.5000		62.4	40.1	130				

Sample ID: 2206E20-002CMS	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488813							
SampleType: MS	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 338037	Analysis Date: 06/16/2022	Seq No: 11381028							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	1.187	0.10	1.000		119	45.1	127				
Aldrin	1.013	0.050	1.000		101	46	120				
Dieldrin	1.041	0.10	1.000		104	45.5	120				
Endrin	1.166	0.10	1.000		117	56.3	131				
gamma-BHC	1.112	0.050	1.000		111	54.5	120				
Heptachlor	0.9185	0.050	1.000		91.8	48.7	120				
Surr: Decachlorobiphenyl	0.5305	0	0.5000		106	27	130				
Surr: Tetrachloro-m-xylene	0.4069	0	0.5000		81.4	40.1	130				

Sample ID: 2206E20-002CMSD	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488813							
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 338037	Analysis Date: 06/16/2022	Seq No: 11381029							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	1.356	0.10	1.000		136	45.1	127	1.187	13.3	18.5	S
Aldrin	1.223	0.050	1.000		122	46	120	1.013	18.8	20.3	S
Dieldrin	1.217	0.10	1.000		122	45.5	120	1.041	15.6	18.8	S
Endrin	1.367	0.10	1.000		137	56.3	131	1.166	15.9	33.4	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338037

Sample ID: 2206E20-002CMSD	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488813
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 338037	Analysis Date: 06/16/2022	Seq No: 11381029

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
gamma-BHC	1.295	0.050	1.000		130	54.5	120	1.112	15.3	18.4	S
Heptachlor	1.106	0.050	1.000		111	48.7	120	0.9185	18.5	20.2	
Surr: Decachlorobiphenyl	0.5902	0	0.5000		118	27	130	0.5305	0	0	
Surr: Tetrachloro-m-xylene	0.5109	0	0.5000		102	40.1	130	0.4069	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338060

Sample ID: MB-338060	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 489288							
SampleType: MBLK	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	BatchID: 338060	Analysis Date: 06/22/2022	Seq No: 11395337							
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 1.894 0 2.000 94.7 65.5 137

Sample ID: LCS-338060	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 489288							
SampleType: LCS	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	BatchID: 338060	Analysis Date: 06/22/2022	Seq No: 11395338							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Benzo(a)pyrene 1.443 0.050 2.000 72.1 67.7 129
 Surr: 4-Terphenyl-d14 1.888 0 2.000 94.4 65.5 137

Sample ID: 2206E72-001DMS	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 489288							
SampleType: MS	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	BatchID: 338060	Analysis Date: 06/22/2022	Seq No: 11397185							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Benzo(a)pyrene 1.508 0.050 2.000 75.4 58.3 120
 Surr: 4-Terphenyl-d14 1.934 0 2.000 96.7 65.5 137

Sample ID: 2206E72-001DMSD	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 489288							
SampleType: MSD	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	BatchID: 338060	Analysis Date: 06/22/2022	Seq No: 11397189							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Benzo(a)pyrene 1.524 0.050 2.000 76.2 58.3 120 1.508 1.04 27.9
 Surr: 4-Terphenyl-d14 1.973 0 2.000 98.6 65.5 137 1.934 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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338111

Sample ID: MB-338111	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488861							
SampleType: MBLK	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 338111	Analysis Date: 06/16/2022	Seq No: 11382380							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	BRL	0.50									
Aroclor 1221	BRL	0.50									
Aroclor 1232	BRL	0.50									
Aroclor 1242	BRL	0.50									
Aroclor 1248	BRL	0.50									
Aroclor 1254	BRL	0.50									
Aroclor 1260	BRL	0.50									
Surr: Decachlorobiphenyl	0.5852	0	0.5000		117	30	120				
Surr: Tetrachloro-m-xylene	0.3684	0	0.5000		73.7	46.5	120				

Sample ID: LCS-338111	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488861							
SampleType: LCS	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 338111	Analysis Date: 06/16/2022	Seq No: 11382390							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	4.235	0.50	5.000		84.7	73.2	118				
Aroclor 1260	4.845	0.50	5.000		96.9	60	120				
Surr: Decachlorobiphenyl	0.4844	0	0.5000		96.9	30	120				
Surr: Tetrachloro-m-xylene	0.3792	0	0.5000		75.8	46.5	120				

Sample ID: 2206C34-001DMS	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488916							
SampleType: MS	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 338111	Analysis Date: 06/17/2022	Seq No: 11384265							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	4.105	0.50	5.000		82.1	60.4	127				
Aroclor 1260	3.835	0.50	5.000		76.7	51	121				
Surr: Decachlorobiphenyl	0.2315	0	0.5000		46.3	30	120				
Surr: Tetrachloro-m-xylene	0.3369	0	0.5000		67.4	46.5	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338111

Sample ID: 2206C34-001DMSD	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488916
SampleType: MSD	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 338111	Analysis Date: 06/17/2022	Seq No: 11384266

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	4.640	0.50	5.000		92.8	60.4	127	4.105	12.2	19	
Aroclor 1260	4.834	0.50	5.000		96.7	51	121	3.835	23.0	20.1	R
Surr: Decachlorobiphenyl	0.3419	0	0.5000		68.4	30	120	0.2315	0	0	
Surr: Tetrachloro-m-xylene	0.3886	0	0.5000		77.7	46.5	120	0.3369	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338116

Sample ID: MB-338116	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488819							
SampleType: MBLK	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 338116	Analysis Date: 06/16/2022	Seq No: 11381096							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2-Dibromo-3-chloropropane	BRL	0.040									
1,2-Dibromoethane	BRL	0.020									
Surr: 4-Bromofluorobenzene	5.461	0	5.000		109	69.7	138				

Sample ID: LCS-338116	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488819							
SampleType: LCS	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 338116	Analysis Date: 06/16/2022	Seq No: 11381097							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2-Dibromo-3-chloropropane	0.1380	0.040	0.1000		138	60	140				
1,2-Dibromoethane	0.1360	0.020	0.1000		136	60	140				
Surr: 4-Bromofluorobenzene	5.308	0	5.000		106	69.7	138				

Sample ID: LCSD-338116	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488819							
SampleType: LCSD	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 338116	Analysis Date: 06/16/2022	Seq No: 11381098							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2-Dibromo-3-chloropropane	0.1530	0.040	0.1000		153	60	140	0.1380	10.3	15	S
1,2-Dibromoethane	0.1310	0.020	0.1000		131	60	140	0.1360	3.75	16.7	
Surr: 4-Bromofluorobenzene	5.390	0	5.000		108	69.7	138	5.308	0	0	

Sample ID: 2206E72-004BMS	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488819							
SampleType: MS	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 338116	Analysis Date: 06/16/2022	Seq No: 11381104							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2-Dibromo-3-chloropropane	0.1258	0.040	0.0991		127	67.9	135				
1,2-Dibromoethane	0.1050	0.020	0.0991		106	67.7	130				
Surr: 4-Bromofluorobenzene	5.241	0	4.955		106	69.7	138				

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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338116

Sample ID: 2206E72-009BDUP	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488819
SampleType: DUP	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 338116	Analysis Date: 06/16/2022	Seq No: 11381111

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromo-3-chloropropane	BRL	0.040						0	0	0	
1,2-Dibromoethane	BRL	0.020						0	0	37.8	
Surr: 4-Bromofluorobenzene	5.325	0	4.996		107	69.7	138	5.231	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338141

Sample ID: MB-338141	Client ID:	Units: mg/L	Prep Date: 06/16/2022	Run No: 488974							
SampleType: MBLK	TestCode: Cyanide SW9014	BatchID: 338141	Analysis Date: 06/17/2022	Seq No: 11385964							
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-338141	Client ID:	Units: mg/L	Prep Date: 06/16/2022	Run No: 488974							
SampleType: LCS	TestCode: Cyanide SW9014	BatchID: 338141	Analysis Date: 06/17/2022	Seq No: 11385965							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.2430 0.010 0.2500 97.2 85 115

Sample ID: 2206E72-001EMS	Client ID:	Units: mg/L	Prep Date: 06/16/2022	Run No: 488974							
SampleType: MS	TestCode: Cyanide SW9014	BatchID: 338141	Analysis Date: 06/17/2022	Seq No: 11385967							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.2670 0.010 0.2500 107 70 130

Sample ID: 2206E72-001EMSD	Client ID:	Units: mg/L	Prep Date: 06/16/2022	Run No: 488974							
SampleType: MSD	TestCode: Cyanide SW9014	BatchID: 338141	Analysis Date: 06/17/2022	Seq No: 11385968							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.2420 0.010 0.2500 96.8 70 130 0.2670 9.82 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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338274

Sample ID: MB-338274	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488991							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338274	Analysis Date: 06/16/2022	Seq No: 11386410							
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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338274

Sample ID: MB-338274	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488991							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338274	Analysis Date: 06/16/2022	Seq No: 11386410							
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									
m,p-Xylene	BRL	10									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	10									
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	55.97	0	50.00		112	75	118				
Surr: Dibromofluoromethane	52.77	0	50.00		106	82.5	121				
Surr: Toluene-d8	46.03	0	50.00		92.1	78.3	118				

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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338274

Sample ID: LCS-338274	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488991							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338274	Analysis Date: 06/16/2022	Seq No: 11386411							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	54.52	5.0	50.00		109	71	130				
Benzene	51.60	5.0	50.00		103	80.4	126				
Chlorobenzene	52.41	5.0	50.00		105	81	120				
Toluene	50.93	5.0	50.00		102	79.2	124				
Trichloroethene	54.84	5.0	50.00		110	78.4	125				
Surr: 4-Bromofluorobenzene	55.53	0	50.00		111	75	118				
Surr: Dibromofluoromethane	50.80	0	50.00		102	82.5	121				
Surr: Toluene-d8	49.82	0	50.00		99.6	78.3	118				

Sample ID: 2206E21-005AMS	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488991							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338274	Analysis Date: 06/20/2022	Seq No: 11388066							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	66.81	5.0	50.00		134	67.6	143				
Benzene	58.23	5.0	50.00		116	70.5	136				
Chlorobenzene	55.08	5.0	50.00		110	77.1	133				
Toluene	51.86	5.0	50.00		104	66.4	140				
Trichloroethene	54.57	5.0	50.00		109	75.1	140				
Surr: 4-Bromofluorobenzene	48.00	0	50.00		96.0	75	118				
Surr: Dibromofluoromethane	50.58	0	50.00		101	82.5	121				
Surr: Toluene-d8	48.39	0	50.00		96.8	78.3	118				

Sample ID: 2206E21-004ADUP	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488991							
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338274	Analysis Date: 06/20/2022	Seq No: 11388065							
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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338274

Sample ID: 2206E21-004ADUP	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488991
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338274	Analysis Date: 06/20/2022	Seq No: 11388065

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						1.110	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338274

Sample ID: 2206E21-004ADUP	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488991
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338274	Analysis Date: 06/20/2022	Seq No: 11388065

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	
m,p-Xylene	BRL	10						0	0	20	
Methylene chloride	BRL	5.0						0	0	20	
o-Xylene	BRL	10						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	45.87	0	50.00		91.7	75	118	54.52	0	0	
Surr: Dibromofluoromethane	52.75	0	50.00		106	82.5	121	55.15	0	0	
Surr: Toluene-d8	46.79	0	50.00		93.6	78.3	118	45.65	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: MB-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11388305							
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-Trichlorobenzene	BRL	1.0									
1,2,3-Trichloropropane	BRL	1.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2,4-Trimethylbenzene	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-Dichloroethene, Total	BRL	3.0									
1,2-Dichloropropane	BRL	1.0									
1,3,5-Trimethylbenzene	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,3-Dichloropropane	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
1,4-Dioxane	BRL	150									
2,2-Dichloropropane	BRL	2.0									
2-Butanone	BRL	10									
2-Chloroethyl vinyl ether	BRL	5.0									
2-Chlorotoluene	BRL	1.0									
2-Hexanone	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: MB-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11388305							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chlorotoluene	BRL	1.0									
4-Isopropyltoluene	BRL	2.0									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Acrolein	BRL	20									
Acrylonitrile	BRL	5.0									
Benzene	BRL	1.0									
Bromobenzene	BRL	1.0									
Bromochloromethane	BRL	1.0									
Bromodichloromethane	BRL	1.0									
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									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dibromomethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Hexachlorobutadiene	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: MB-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11388305							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Iodomethane	BRL	2.0									
Isopropylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylcyclohexane	BRL	2.0									
Methylene chloride	BRL	5.0									
n-Butylbenzene	BRL	1.0									
n-Propylbenzene	BRL	1.0									
Naphthalene	BRL	5.0									
o-Xylene	BRL	1.0									
sec-Butylbenzene	BRL	2.0									
Styrene	BRL	1.0									
tert-Butylbenzene	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									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	51.06	0	50.00		102	75	118				
Surr: Dibromofluoromethane	50.68	0	50.00		101	82.5	121				
Surr: Toluene-d8	50.85	0	50.00		102	78.3	118				

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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: MB-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11388363							
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 acetate	BRL	10									N
Ethyl Methacrylate	BRL	10									
iso-Butyraldehyde	BRL	10									
Isobutyl Alcohol	BRL	200									
Isopropyl acetate	BRL	10									
Isopropyl alcohol	BRL	100									
Isopropyl ether	BRL	5.0									
Methyl formate	BRL	100									
Methyl Methacrylate	BRL	10									
Methylacrylonitrile	BRL	200									
n-Amyl acetate	BRL	10									
n-Butyl acetate	BRL	10									
n-Heptane	BRL	10									N
n-Hexane	BRL	10									
Pentachloroethane	BRL	10									
Propionitrile	BRL	100									
Tetrahydrofuran	BRL	10									
Surr: 4-Bromofluorobenzene	49.13	0	50.00		98.3	75	118				
Surr: Dibromofluoromethane	50.70	0	50.00		101	82.5	121				
Surr: Toluene-d8	50.01	0	50.00		100	78.3	118				

Sample ID: MB-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11389572							
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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: MB-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11389572							
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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: MB-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11389572							
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									
m,p-Xylene	BRL	10									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	10									
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	51.06	0	50.00		102	75	118				
Surr: Dibromofluoromethane	50.68	0	50.00		101	82.5	121				
Surr: Toluene-d8	50.85	0	50.00		102	78.3	118				

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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: LCS-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11388308							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	19.71	2.0	20.00		98.6	71	130				
Benzene	19.53	1.0	20.00		97.6	80.4	126				
Chlorobenzene	18.50	1.0	20.00		92.5	81	120				
Toluene	19.06	1.0	20.00		95.3	79.2	124				
Trichloroethene	18.36	1.0	20.00		91.8	78.4	125				
Surr: 4-Bromofluorobenzene	51.79	0	50.00		104	75	118				
Surr: Dibromofluoromethane	51.01	0	50.00		102	82.5	121				
Surr: Toluene-d8	51.92	0	50.00		104	78.3	118				

Sample ID: LCS-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11389573							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	19.71	5.0	20.00		98.6	71	130				
Benzene	19.53	5.0	20.00		97.6	80.4	126				
Chlorobenzene	18.50	5.0	20.00		92.5	81	120				
Toluene	19.06	5.0	20.00		95.3	79.2	124				
Trichloroethene	18.36	5.0	20.00		91.8	78.4	125				
Surr: 4-Bromofluorobenzene	51.79	0	50.00		104	75	118				
Surr: Dibromofluoromethane	51.01	0	50.00		102	82.5	121				
Surr: Toluene-d8	51.92	0	50.00		104	78.3	118				

Sample ID: 2206H02-019AMS	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11392446							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	16.75	5.0	20.00		83.8	67.6	143				
Benzene	16.48	5.0	20.00		82.4	70.5	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: 2206H02-019AMS	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11392446							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	14.74	5.0	20.00		73.7	77.1	133				S
Toluene	16.00	5.0	20.00		80.0	66.4	140				
Trichloroethene	15.35	5.0	20.00		76.8	75.1	140				
Surr: 4-Bromofluorobenzene	52.72	0	50.00		105	75	118				
Surr: Dibromofluoromethane	51.07	0	50.00		102	82.5	121				
Surr: Toluene-d8	52.66	0	50.00		105	78.3	118				

Sample ID: 2206H02-019AMS	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11397436							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	16.75	2.0	20.00		83.8	67.6	143				
Benzene	16.48	1.0	20.00		82.4	70.5	136				
Chlorobenzene	14.74	1.0	20.00		73.7	77.1	133				S
Toluene	16.00	1.0	20.00		80.0	66.4	140				
Trichloroethene	15.35	1.0	20.00		76.8	75.1	140				
Surr: 4-Bromofluorobenzene	52.72	0	50.00		105	75	118				
Surr: Dibromofluoromethane	51.07	0	50.00		102	82.5	121				
Surr: Toluene-d8	52.66	0	50.00		105	78.3	118				

Sample ID: 2206H02-017ADUP	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11392445							
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	

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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: 2206H02-017ADUP	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11392445

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
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	
cis-1,2-Dichloroethene	BRL	5.0						0	0	20	
cis-1,3-Dichloropropene	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: 2206H02-017ADUP	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11392445							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

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	
m,p-Xylene	BRL	10						0	0	20	
Methylene chloride	BRL	5.0						0	0	20	
o-Xylene	BRL	10						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	50.91	0	50.00		102	75	118	51.25	0	0	
Surr: Dibromofluoromethane	50.59	0	50.00		101	82.5	121	49.60	0	0	
Surr: Toluene-d8	52.69	0	50.00		105	78.3	118	51.60	0	0	

Sample ID: 2206H02-017ADUP	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11397435							
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	

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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: 2206H02-017ADUP	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11397435							
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	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	
1,2,3-Trichlorobenzene	BRL	1.0						0	0	30	
1,2,3-Trichloropropane	BRL	1.0						0	0	30	
1,2,4-Trichlorobenzene	BRL	1.0						0	0	30	
1,2,4-Trimethylbenzene	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-Dichloroethene, Total	BRL	3.0						0	0	30	
1,2-Dichloropropane	BRL	1.0						0	0	30	
1,3,5-Trimethylbenzene	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	
1,4-Dioxane	BRL	150						0	0	30	
2,2-Dichloropropane	BRL	2.0						0	0	30	
2,3-Dimethylbutane/2-Methylpentane	BRL	20						0	0	30	
2-Butanone	BRL	10						0	0	30	
2-Chloroethyl vinyl ether	BRL	5.0						0	0	30	
2-Chlorotoluene	BRL	1.0						0	0	30	
2-Hexanone	BRL	10						0	0	30	
3-Methylpentane	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: 2206H02-017ADUP	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11397435

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4-Chlorotoluene	BRL	1.0						0	0	30	
4-Isopropyltoluene	BRL	2.0						0	0	30	
4-Methyl-2-pentanone	BRL	10						0	0	30	
Acetone	BRL	20						0	0	30	
Acetonitrile	BRL	100						0	0	30	
Acrolein	BRL	20						0	0	30	
Acrylonitrile	BRL	5.0						0	0	30	
Allyl Chloride	BRL	10						0	0	30	
Benzene	BRL	1.0						0	0	30	
Bromobenzene	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	
Chloromethane	BRL	1.0						0	0	30	
Chloroprene	BRL	20						0	0	30	
cis-1,2-Dichloroethene	BRL	1.0						0	0	30	
cis-1,3-Dichloropropene	BRL	1.0						0	0	30	
Cyclohexane	BRL	2.0						0	0	30	
Cyclohexanone	BRL	40						0	0	30	
Dibromochloromethane	BRL	1.0						0	0	30	
Dibromomethane	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: 2206H02-017ADUP	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11397435							
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
Dichlorodifluoromethane	BRL	1.0						0	0	30	
Epichlorohydrin	BRL	20						0	0	30	N
Ethanol	BRL	100						0	0	30	
Ethyl acetate	BRL	10						0	0	30	N
Ethyl Methacrylate	BRL	10						0	0	30	
Ethylbenzene	BRL	1.0						0	0	30	
Freon-113	BRL	5.0						0	0	30	
Freon-141B	BRL	10						0	0	30	
Freon-22	BRL	10						0	0	30	N
Hexachlorobutadiene	BRL	1.0						0	0	30	
Iodomethane	BRL	2.0						0	0	30	
iso-Butyraldehyde	BRL	10						0	0	30	
Isobutyl Alcohol	BRL	200						0	0	30	
Isopropyl acetate	BRL	10						0	0	30	
Isopropyl alcohol	BRL	100						0	0	30	
Isopropyl ether	BRL	5.0						0	0	30	
Isopropylbenzene	BRL	1.0						0	0	30	
m,p-Xylene	BRL	1.0						0	0	30	
Methyl acetate	BRL	2.0						0	0	30	
Methyl formate	BRL	100						0	0	30	
Methyl Methacrylate	BRL	10						0	0	30	
Methyl tert-butyl ether	BRL	1.0						0	0	30	
Methylacrylonitrile	BRL	200						0	0	30	
Methylcyclohexane	BRL	2.0						0	0	30	
Methylcyclopentane	BRL	10						0	0	30	
Methylene chloride	BRL	5.0						0	0	30	
n-Amyl acetate	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: 2206H02-017ADUP	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11397435

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
n-Butyl acetate	BRL	10						0	0	30	
n-Butylbenzene	BRL	1.0						0	0	30	
n-Heptane	BRL	10						0	0	30	N
n-Hexane	BRL	10						0	0	30	
n-Propylbenzene	BRL	1.0						0	0	30	
Naphthalene	BRL	5.0						0	0	30	
o-Xylene	BRL	1.0						0	0	30	
Pentachloroethane	BRL	10						0	0	30	
Phosgene	BRL	20						0	0	30	N
Propionitrile	BRL	100						0	0	30	
sec-Butylbenzene	BRL	2.0						0	0	30	
Styrene	BRL	1.0						0	0	30	
tert-Butyl Alcohol	BRL	100						0	0	30	
tert-Butylbenzene	BRL	1.0						0	0	30	
Tetrachloroethene	BRL	1.0						0	0	30	
Tetrahydrofuran	BRL	10						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	50.91	0	50.00		102	75	118	51.25	0	0	
Surr: Dibromofluoromethane	50.59	0	50.00		101	82.5	121	49.60	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: 2206H02-017ADUP	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11397435

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Toluene-d8	52.69	0	50.00		105	78.3	118	51.60	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: MB-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388925							
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-Trichlorobenzene	BRL	1.0									
1,2,3-Trichloropropane	BRL	1.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2,4-Trimethylbenzene	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-Dichloroethene, Total	BRL	3.0									
1,2-Dichloropropane	BRL	1.0									
1,3,5-Trimethylbenzene	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,3-Dichloropropane	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
1,4-Dioxane	BRL	150									
2,2-Dichloropropane	BRL	2.0									
2-Butanone	BRL	10									
2-Chloroethyl vinyl ether	BRL	5.0									
2-Chlorotoluene	BRL	1.0									
2-Hexanone	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: MB-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388925							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chlorotoluene	BRL	1.0									
4-Isopropyltoluene	BRL	2.0									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Acrolein	BRL	20									
Acrylonitrile	BRL	5.0									
Benzene	BRL	1.0									
Bromobenzene	BRL	1.0									
Bromochloromethane	BRL	1.0									
Bromodichloromethane	BRL	1.0									
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									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dibromomethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Hexachlorobutadiene	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: MB-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388925							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Iodomethane	BRL	2.0									
Isopropylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylcyclohexane	BRL	2.0									
Methylene chloride	BRL	5.0									
n-Butylbenzene	BRL	1.0									
n-Propylbenzene	BRL	1.0									
Naphthalene	BRL	5.0									
o-Xylene	BRL	1.0									
sec-Butylbenzene	BRL	2.0									
Styrene	BRL	1.0									
tert-Butylbenzene	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									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	44.92	0	50.00		89.8	75	118				
Surr: Dibromofluoromethane	47.68	0	50.00		95.4	82.5	121				
Surr: Toluene-d8	48.47	0	50.00		96.9	78.3	118				

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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: MB-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388951							
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									
Ethanol	BRL	100									
Ethyl acetate	BRL	10									N
Ethyl Methacrylate	BRL	10									
iso-Butyraldehyde	BRL	10									
Isobutyl Alcohol	BRL	200									
Isopropyl acetate	BRL	10									
Isopropyl alcohol	BRL	100									
Isopropyl ether	BRL	5.0									
Methyl formate	BRL	100									
Methyl Methacrylate	BRL	10									
Methylacrylonitrile	BRL	200									
n-Amyl acetate	BRL	10									
n-Butyl acetate	BRL	10									
n-Heptane	BRL	10									N
Pentachloroethane	BRL	10									
Propionitrile	BRL	100									
Tetrahydrofuran	BRL	10									
Surr: 4-Bromofluorobenzene	47.61	0	50.00		95.2	75	118				
Surr: Dibromofluoromethane	54.89	0	50.00		110	82.5	121				
Surr: Toluene-d8	52.72	0	50.00		105	78.3	118				

Sample ID: LCS-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388926							
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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: LCS-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388926							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	18.21	2.0	20.00		91.0	71	130				
Benzene	18.30	1.0	20.00		91.5	80.4	126				
Chlorobenzene	21.03	1.0	20.00		105	81	120				
Toluene	18.82	1.0	20.00		94.1	79.2	124				
Trichloroethene	18.84	1.0	20.00		94.2	78.4	125				
Surr: 4-Bromofluorobenzene	46.32	0	50.00		92.6	75	118				
Surr: Dibromofluoromethane	49.33	0	50.00		98.7	82.5	121				
Surr: Toluene-d8	49.39	0	50.00		98.8	78.3	118				

Sample ID: 2206E69-005AMS	Client ID: AMW-12	Units: ug/L	Prep Date: 06/17/2022	Run No: 489040							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/19/2022	Seq No: 11387915							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	15.73	2.0	20.00		78.6	67.6	143				
Benzene	18.57	1.0	20.00		92.8	70.5	136				
Chlorobenzene	18.92	1.0	20.00		94.6	77.1	133				
Toluene	18.58	1.0	20.00		92.9	66.4	140				
Trichloroethene	19.58	1.0	20.00		97.9	75.1	140				
Surr: 4-Bromofluorobenzene	51.57	0	50.00		103	75	118				
Surr: Dibromofluoromethane	47.13	0	50.00		94.3	82.5	121				
Surr: Toluene-d8	49.50	0	50.00		99.0	78.3	118				

Sample ID: 2206E69-005AMSD	Client ID: AMW-12	Units: ug/L	Prep Date: 06/17/2022	Run No: 489040							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/19/2022	Seq No: 11387916							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	16.55	2.0	20.00		82.8	67.6	143	15.73	5.08	19.6	
Benzene	19.20	1.0	20.00		96.0	70.5	136	18.57	3.34	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: **2206E69-005AMSD** Client ID: **AMW-12** Units: **ug/L** Prep Date: **06/17/2022** Run No: **489040**
 SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **338346** Analysis Date: **06/19/2022** Seq No: **11387916**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	19.60	1.0	20.00		98.0	77.1	133	18.92	3.53	20	
Toluene	19.69	1.0	20.00		98.4	66.4	140	18.58	5.80	20	
Trichloroethene	19.97	1.0	20.00		99.8	75.1	140	19.58	1.97	20	
Surr: 4-Bromofluorobenzene	50.36	0	50.00		101	75	118	51.57	0	0	
Surr: Dibromofluoromethane	46.59	0	50.00		93.2	82.5	121	47.13	0	0	
Surr: Toluene-d8	49.43	0	50.00		98.9	78.3	118	49.50	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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: 338886

Sample ID: MB-338886	Client ID:	Units: mg/L	Prep Date: 06/30/2022	Run No: 490024							
SampleType: MBLK	TestCode: Mercury, Total SW7470A	BatchID: 338886	Analysis Date: 06/30/2022	Seq No: 11422933							
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-338886	Client ID:	Units: mg/L	Prep Date: 06/30/2022	Run No: 490024							
SampleType: LCS	TestCode: Mercury, Total SW7470A	BatchID: 338886	Analysis Date: 06/30/2022	Seq No: 11422934							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004107 0.00020 0.0040 103 80 120

Sample ID: 2206H53-001AMS	Client ID:	Units: mg/L	Prep Date: 06/30/2022	Run No: 490024							
SampleType: MS	TestCode: Mercury, Total SW7470A	BatchID: 338886	Analysis Date: 06/30/2022	Seq No: 11422938							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004230 0.00020 0.0040 106 75 125

Sample ID: 2206H53-001AMSD	Client ID:	Units: mg/L	Prep Date: 06/30/2022	Run No: 490024							
SampleType: MSD	TestCode: Mercury, Total SW7470A	BatchID: 338886	Analysis Date: 06/30/2022	Seq No: 11422939							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004230 0.00020 0.0040 106 75 125 0.004230 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: 2206E69

ANALYTICAL QC SUMMARY REPORT

BatchID: R489292

Sample ID: MB-R489292	Client ID:	Units: mg/L	Prep Date:	Run No: 489292							
SampleType: MBLK	TestCode: ION SCAN SW9056A	BatchID: R489292	Analysis Date: 06/20/2022	Seq No: 11395407							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride BRL 1.0

Sample ID: LCS-R489292	Client ID:	Units: mg/L	Prep Date:	Run No: 489292							
SampleType: LCS	TestCode: ION SCAN SW9056A	BatchID: R489292	Analysis Date: 06/20/2022	Seq No: 11395406							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 9.722 1.0 10.00 97.2 90 110

Sample ID: 2206D12-004AMS	Client ID:	Units: mg/L	Prep Date:	Run No: 489292							
SampleType: MS	TestCode: ION SCAN SW9056A	BatchID: R489292	Analysis Date: 06/21/2022	Seq No: 11395421							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 18.60 1.0 10.00 9.404 91.9 90 110

Sample ID: 2206E69-007BMS	Client ID: AMW-12R	Units: mg/L	Prep Date:	Run No: 489292							
SampleType: MS	TestCode: ION SCAN SW9056A	BatchID: R489292	Analysis Date: 06/21/2022	Seq No: 11395423							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 10.81 1.0 10.00 1.471 93.4 90 110

Sample ID: 2206D12-004AMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 489292							
SampleType: MSD	TestCode: ION SCAN SW9056A	BatchID: R489292	Analysis Date: 06/21/2022	Seq No: 11395422							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 18.68 1.0 10.00 9.404 92.7 90 110 18.60 0.446 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	

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 05, 2022

Charles Adams
Atlantic Coast Consulting, Inc.
1150 Northmeadow Pkwy
Roswell GA 30076

RE: Forsyth County-Hightower Road MSWLF

Dear Charles Adams:

Order No: 2206E70

Analytical Environmental Services, Inc. received 13 samples on 6/10/2022 3:15:00 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 AES established limits.

AES’s 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 07/01/22-06/30/23.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/23 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-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 11/01/23.

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

Revision 7/5/2022

COMPANY: Atlantic Coast Consulting, Inc.		ADDRESS: 1150 Northmeadow Pkwy Suite 100 Roswell, GA 30076				ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers	
PHONE: 770-712-9785 or 770-594-5998		EMAIL: charles.adams@atlcc.net				Appendix I VOC	Appendix II VOC	Appendix I Metals	Potassium / Magnesium	Chloride	Cyanide	COD	TOC	SW Metals **					
SAMPLED BY: <i>H. Auld</i>		SIGNATURE: <i>[Signature]</i>				PRESERVATION (see codes)										REMARKS			
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)													
		DATE	TIME				H+I	H+I	N		N	I		NaOH	S+I	S+I	N		
1	Field Blank - 1	6-8-22	1245	✓		W	✓	✓											3
2	GWA-1	6-8-22	1325	✓		W	✓		✓										3
3	GWA-1A	6-8-22	1405	✓		W	✓	✓											3
4	PHI-GWA-1A	6-8-22	1510	✓		W	✓	✓											3
5	GWC-3 Dissolved	6-8-22	0950	✓		W		✓										Field Filtered	1
6	GWC-4	6-8-22	1625	✓		W	✓												2
7	GWC-4A	6-8-22	1650	✓		W	✓	✓											3
8	GWA-1	6-9-22	0935	✓		W		✓	✓										1
9	GWC-4	6-9-22	0945	✓		W		✓											1
10	GWC-14	6-9-22	1025	✓		W	✓												2
11	GWC-14R	6-9-22		✓		W													
12	GWC-14A	6-9-22		✓		W													
13	GWC-8	6-9-22	1355	✓		W	✓												2
14	AMW-9	6-10-22	0930	✓		W		✓											1
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION										RECEIPT	
1. <i>[Signature]</i>		6-10-22/1515		2. <i>[Signature]</i>		6-10-22 15:15		PROJECT NAME: Forsyth County - Hightower Road MSWLF										Total # of Containers	
2.				2.				PROJECT #: G020-113										Turnaround Time (TAT) Request	
3.				3.				SITE ADDRESS: 9480 Old Federal Road, Ballground, GA 30107										<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 2 Business Day Rush <input type="checkbox"/> Next Business Day Rush <input type="checkbox"/> Same-Day Rush (auth req.) <input type="checkbox"/> Other _____	
SPECIAL INSTRUCTIONS/COMMENTS: ** Surface Water Metals: As, Ba, Cd, Cr, Pb, Ni, Ag, Se, Zn, Hg				SHIPMENT METHOD				SEND REPORT TO: Charles Adams, Betsy McDaniel										STATE PROGRAM (if any): _____	
				OUT: / / VIA:				INVOICE TO (IF DIFFERENT FROM ABOVE):										E-mail? <input type="checkbox"/> Fax? <input type="checkbox"/>	
				IN: / / VIA:				QUOTE #: _____ PO#: _____										DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>	
				Client <input type="radio"/> FedEx <input type="radio"/> UPS <input type="radio"/> US mail <input type="radio"/> courier															
				other: _____															

Client: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E70

Case Narrative

Sample Receiving Nonconformance:

A Trip Blank was provided but not listed on the Chain of Custody. Trip Blank analyzed at unit cost.

Metals Analysis by Method 6020B:

LCS-337998 recovery for Copper was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

Revision 7/5/2022:

Metals units converted to mg/L.

Revision II:

Report revised to only include original runs of the data.

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E70-001

Client Sample ID: FIELD BLANK-1
Collection Date: 6/8/2022 12:45:00 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	338272	1	06/16/2022 03:21	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 03:21	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 03:21	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 03:21	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 03:21	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 03:21	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 03:21	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 03:21	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 03:21	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 03:21	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 03:21	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 03:21	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 03:21	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 03:21	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 03:21	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 03:21	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 03:21	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 03:21	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 03:21	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 03:21	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 03:21	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 03:21	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 03:21	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 03:21	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 03:21	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 03:21	CM

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: 6/8/2022 12:45:00 PM
Lab ID: 2206E70-001	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 03:21	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 03:21	CM
Surr: 4-Bromofluorobenzene	97.4	75-118		%REC	338272	1	06/16/2022 03:21	CM
Surr: Dibromofluoromethane	91.6	82.5-121		%REC	338272	1	06/16/2022 03:21	CM
Surr: Toluene-d8	99.3	78.3-118		%REC	338272	1	06/16/2022 03:21	CM
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337998	1	06/16/2022 21:34	JM
Arsenic	BRL	0.0100		mg/L	337998	1	06/16/2022 21:34	JM
Barium	BRL	0.0200		mg/L	337998	1	06/16/2022 21:34	JM
Beryllium	BRL	0.00300		mg/L	337998	1	06/16/2022 21:34	JM
Cadmium	BRL	0.00500		mg/L	337998	1	06/16/2022 21:34	JM
Chromium	BRL	0.0100		mg/L	337998	1	06/16/2022 21:34	JM
Cobalt	BRL	0.0400		mg/L	337998	1	06/16/2022 21:34	JM
Copper	BRL	0.0200		mg/L	337998	1	06/16/2022 21:34	JM
Lead	BRL	0.0150		mg/L	337998	1	06/16/2022 21:34	JM
Nickel	BRL	0.0200		mg/L	337998	1	06/16/2022 21:34	JM
Selenium	BRL	0.0100		mg/L	337998	1	06/16/2022 21:34	JM
Silver	BRL	0.0100		mg/L	337998	1	06/16/2022 21:34	JM
Thallium	BRL	0.00200		mg/L	337998	1	06/16/2022 21:34	JM
Vanadium	BRL	0.0200		mg/L	337998	1	06/16/2022 21:34	JM
Zinc	BRL	0.0200		mg/L	337998	1	06/17/2022 16:55	JM

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: 2206E70-002

Client Sample ID: GWA-1
Collection Date: 6/8/2022 1:25:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Inorganic Anions by IC E300.0								
Chloride	10.1	0.500		mg/L	R489294	1	06/21/2022 20:36	BI
APPENDIX I VOLATILE ORGANICS SW8260D (SW5030B)								
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 18:48	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 18:48	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 18:48	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 18:48	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 18:48	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 18:48	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 18:48	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 18:48	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 18:48	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 18:48	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 18:48	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 18:48	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 18:48	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 18:48	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 18:48	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 18:48	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 18:48	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 18:48	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 18:48	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 18:48	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 18:48	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 18:48	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 18:48	CM

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: 6/8/2022 1:25:00 PM
Lab ID: 2206E70-002	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 18:48	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 18:48	CM
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 18:48	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 18:48	CM
Surr: 4-Bromofluorobenzene	92.6	75-118		%REC	338272	1	06/16/2022 18:48	CM
Surr: Dibromofluoromethane	88.2	82.5-121		%REC	338272	1	06/16/2022 18:48	CM
Surr: Toluene-d8	93.3	78.3-118		%REC	338272	1	06/16/2022 18:48	CM

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: 2206E70-003

Client Sample ID: GWA-1A
Collection Date: 6/8/2022 2:05:00 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	338272	1	06/16/2022 19:13	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 19:13	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 19:13	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 19:13	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 19:13	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 19:13	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 19:13	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 19:13	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 19:13	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 19:13	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 19:13	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 19:13	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 19:13	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 19:13	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 19:13	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 19:13	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 19:13	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 19:13	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 19:13	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 19:13	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 19:13	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 19:13	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 19:13	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 19:13	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 19:13	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 19:13	CM

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-1A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 2:05:00 PM
Lab ID: 2206E70-003	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 19:13	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 19:13	CM
Surr: 4-Bromofluorobenzene	90.3	75-118		%REC	338272	1	06/16/2022 19:13	CM
Surr: Dibromofluoromethane	89.5	82.5-121		%REC	338272	1	06/16/2022 19:13	CM
Surr: Toluene-d8	93.6	78.3-118		%REC	338272	1	06/16/2022 19:13	CM
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337998	1	06/16/2022 21:56	JM
Arsenic	BRL	0.0100		mg/L	337998	1	06/16/2022 21:56	JM
Barium	0.0318	0.0200		mg/L	337998	1	06/16/2022 21:56	JM
Beryllium	BRL	0.00300		mg/L	337998	1	06/16/2022 21:56	JM
Cadmium	BRL	0.00500		mg/L	337998	1	06/16/2022 21:56	JM
Chromium	BRL	0.0100		mg/L	337998	1	06/16/2022 21:56	JM
Cobalt	BRL	0.0400		mg/L	337998	1	06/16/2022 21:56	JM
Copper	BRL	0.0200		mg/L	337998	1	06/16/2022 21:56	JM
Lead	BRL	0.0150		mg/L	337998	1	06/16/2022 21:56	JM
Nickel	BRL	0.0200		mg/L	337998	1	06/16/2022 21:56	JM
Selenium	BRL	0.0100		mg/L	337998	1	06/16/2022 21:56	JM
Silver	BRL	0.0100		mg/L	337998	1	06/16/2022 21:56	JM
Thallium	BRL	0.00200		mg/L	337998	1	06/16/2022 21:56	JM
Vanadium	BRL	0.0200		mg/L	337998	1	06/16/2022 21:56	JM
Zinc	BRL	0.0200		mg/L	337998	1	06/16/2022 21:56	JM

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: 2206E70-004

Client Sample ID: PH1-GWA-1A
Collection Date: 6/8/2022 3:10:00 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	338272	1	06/16/2022 19:37	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 19:37	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 19:37	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 19:37	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 19:37	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 19:37	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 19:37	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 19:37	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 19:37	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 19:37	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 19:37	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 19:37	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 19:37	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 19:37	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 19:37	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 19:37	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 19:37	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 19:37	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 19:37	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 19:37	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 19:37	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 19:37	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 19:37	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 19:37	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 19:37	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 19:37	CM

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: 6/8/2022 3:10:00 PM
Lab ID: 2206E70-004	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 19:37	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 19:37	CM
Surr: 4-Bromofluorobenzene	90	75-118		%REC	338272	1	06/16/2022 19:37	CM
Surr: Dibromofluoromethane	89.2	82.5-121		%REC	338272	1	06/16/2022 19:37	CM
Surr: Toluene-d8	93.8	78.3-118		%REC	338272	1	06/16/2022 19:37	CM
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	337998	1	06/16/2022 21:59	JM
Arsenic	BRL	0.0100		mg/L	337998	1	06/16/2022 21:59	JM
Barium	0.0259	0.0200		mg/L	337998	1	06/16/2022 21:59	JM
Beryllium	BRL	0.00300		mg/L	337998	1	06/16/2022 21:59	JM
Cadmium	BRL	0.00500		mg/L	337998	1	06/16/2022 21:59	JM
Chromium	0.0199	0.0100		mg/L	337998	1	06/16/2022 21:59	JM
Cobalt	BRL	0.0400		mg/L	337998	1	06/16/2022 21:59	JM
Copper	BRL	0.0200		mg/L	337998	1	06/16/2022 21:59	JM
Lead	BRL	0.0150		mg/L	337998	1	06/16/2022 21:59	JM
Nickel	BRL	0.0200		mg/L	337998	1	06/16/2022 21:59	JM
Selenium	BRL	0.0100		mg/L	337998	1	06/16/2022 21:59	JM
Silver	BRL	0.0100		mg/L	337998	1	06/16/2022 21:59	JM
Thallium	BRL	0.00200		mg/L	337998	1	06/16/2022 21:59	JM
Vanadium	BRL	0.0200		mg/L	337998	1	06/16/2022 21:59	JM
Zinc	0.0382	0.0200		mg/L	337998	1	06/16/2022 21:59	JM

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: 2206E70-006

Client Sample ID: GWC-4
Collection Date: 6/8/2022 4:25:00 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	338135	1	06/16/2022 02:18	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
1,1-Dichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
1,1-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
1,2,3-Trichloropropane	BRL	10		ug/L	338135	1	06/16/2022 02:18	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338135	1	06/16/2022 02:18	OM
1,2-Dibromoethane	BRL	1.0		ug/L	338135	1	06/16/2022 02:18	OM
1,2-Dichlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 02:18	OM
1,2-Dichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
1,2-Dichloropropane	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
1,4-Dichlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 02:18	OM
2-Butanone	BRL	100		ug/L	338135	1	06/16/2022 02:18	OM
2-Hexanone	BRL	50		ug/L	338135	1	06/16/2022 02:18	OM
4-Methyl-2-pentanone	BRL	50		ug/L	338135	1	06/16/2022 02:18	OM
Acetone	BRL	100		ug/L	338135	1	06/16/2022 02:18	OM
Acrylonitrile	BRL	50		ug/L	338135	1	06/16/2022 02:18	OM
Benzene	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
Bromochloromethane	BRL	10		ug/L	338135	1	06/16/2022 02:18	OM
Bromodichloromethane	BRL	10		ug/L	338135	1	06/16/2022 02:18	OM
Bromoform	BRL	10		ug/L	338135	1	06/16/2022 02:18	OM
Bromomethane	BRL	10		ug/L	338135	1	06/16/2022 02:18	OM
Carbon disulfide	BRL	5.0		ug/L	338135	1	06/16/2022 02:18	OM
Carbon tetrachloride	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
Chlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 02:18	OM
Chloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
Chloroform	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
Chloromethane	BRL	10		ug/L	338135	1	06/16/2022 02:18	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
Dibromochloromethane	BRL	10		ug/L	338135	1	06/16/2022 02:18	OM
Dibromomethane	BRL	10		ug/L	338135	1	06/16/2022 02:18	OM
Ethylbenzene	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
Iodomethane	BRL	100		ug/L	338135	1	06/16/2022 02:18	OM
Methylene chloride	BRL	5.0		ug/L	338135	1	06/16/2022 02:18	OM
Styrene	BRL	10		ug/L	338135	1	06/16/2022 02:18	OM
Tetrachloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
Toluene	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338135	1	06/16/2022 02:18	OM
Trichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
Trichlorofluoromethane	BRL	10		ug/L	338135	1	06/16/2022 02:18	OM
Vinyl acetate	BRL	100		ug/L	338135	1	06/16/2022 02:18	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-4
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 4:25:00 PM
Lab ID: 2206E70-006	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338135	1	06/16/2022 02:18	OM
Xylenes, Total	BRL	5.0		ug/L	338135	1	06/16/2022 02:18	OM
Surr: 4-Bromofluorobenzene	93.7	75-118		%REC	338135	1	06/16/2022 02:18	OM
Surr: Dibromofluoromethane	100	82.5-121		%REC	338135	1	06/16/2022 02:18	OM
Surr: Toluene-d8	100	78.3-118		%REC	338135	1	06/16/2022 02:18	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-4A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 4:50:00 PM
Lab ID: 2206E70-007	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	338135	1	06/16/2022 02:41	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
1,1-Dichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
1,1-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
1,2,3-Trichloropropane	BRL	10		ug/L	338135	1	06/16/2022 02:41	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338135	1	06/16/2022 02:41	OM
1,2-Dibromoethane	BRL	1.0		ug/L	338135	1	06/16/2022 02:41	OM
1,2-Dichlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 02:41	OM
1,2-Dichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
1,2-Dichloropropane	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
1,4-Dichlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 02:41	OM
2-Butanone	BRL	100		ug/L	338135	1	06/16/2022 02:41	OM
2-Hexanone	BRL	50		ug/L	338135	1	06/16/2022 02:41	OM
4-Methyl-2-pentanone	BRL	50		ug/L	338135	1	06/16/2022 02:41	OM
Acetone	BRL	100		ug/L	338135	1	06/16/2022 02:41	OM
Acrylonitrile	BRL	50		ug/L	338135	1	06/16/2022 02:41	OM
Benzene	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
Bromochloromethane	BRL	10		ug/L	338135	1	06/16/2022 02:41	OM
Bromodichloromethane	BRL	10		ug/L	338135	1	06/16/2022 02:41	OM
Bromoform	BRL	10		ug/L	338135	1	06/16/2022 02:41	OM
Bromomethane	BRL	10		ug/L	338135	1	06/16/2022 02:41	OM
Carbon disulfide	BRL	5.0		ug/L	338135	1	06/16/2022 02:41	OM
Carbon tetrachloride	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
Chlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 02:41	OM
Chloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
Chloroform	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
Chloromethane	BRL	10		ug/L	338135	1	06/16/2022 02:41	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
Dibromochloromethane	BRL	10		ug/L	338135	1	06/16/2022 02:41	OM
Dibromomethane	BRL	10		ug/L	338135	1	06/16/2022 02:41	OM
Ethylbenzene	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
Iodomethane	BRL	100		ug/L	338135	1	06/16/2022 02:41	OM
Methylene chloride	BRL	5.0		ug/L	338135	1	06/16/2022 02:41	OM
Styrene	BRL	10		ug/L	338135	1	06/16/2022 02:41	OM
Tetrachloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
Toluene	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338135	1	06/16/2022 02:41	OM
Trichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
Trichlorofluoromethane	BRL	10		ug/L	338135	1	06/16/2022 02:41	OM
Vinyl acetate	BRL	100		ug/L	338135	1	06/16/2022 02:41	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-4A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 4:50:00 PM
Lab ID: 2206E70-007	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D			(SW5030B)					
Vinyl chloride	BRL	2.0		ug/L	338135	1	06/16/2022 02:41	OM
Xylenes, Total	BRL	5.0		ug/L	338135	1	06/16/2022 02:41	OM
Surr: 4-Bromofluorobenzene	95.7	75-118		%REC	338135	1	06/16/2022 02:41	OM
Surr: Dibromofluoromethane	98	82.5-121		%REC	338135	1	06/16/2022 02:41	OM
Surr: Toluene-d8	102	78.3-118		%REC	338135	1	06/16/2022 02:41	OM
APPENDIX I METALS SW6020B			(SW3005A)					
Antimony	BRL	0.00600		mg/L	337998	1	06/16/2022 22:06	JM
Arsenic	BRL	0.0100		mg/L	337998	1	06/16/2022 22:06	JM
Barium	0.0363	0.0200		mg/L	337998	1	06/16/2022 22:06	JM
Beryllium	BRL	0.00300		mg/L	337998	1	06/16/2022 22:06	JM
Cadmium	BRL	0.00500		mg/L	337998	1	06/16/2022 22:06	JM
Chromium	BRL	0.0100		mg/L	337998	1	06/16/2022 22:06	JM
Cobalt	BRL	0.0400		mg/L	337998	1	06/16/2022 22:06	JM
Copper	BRL	0.0200		mg/L	337998	1	06/16/2022 22:06	JM
Lead	BRL	0.0150		mg/L	337998	1	06/16/2022 22:06	JM
Nickel	BRL	0.0200		mg/L	337998	1	06/16/2022 22:06	JM
Selenium	BRL	0.0100		mg/L	337998	1	06/16/2022 22:06	JM
Silver	BRL	0.0100		mg/L	337998	1	06/16/2022 22:06	JM
Thallium	BRL	0.00200		mg/L	337998	1	06/16/2022 22:06	JM
Vanadium	BRL	0.0200		mg/L	337998	1	06/16/2022 22:06	JM
Zinc	0.0245	0.0200		mg/L	337998	1	06/16/2022 22:06	JM

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: 6/9/2022 9:35:00 AM
Lab ID: 2206E70-008	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Metals by ICP/MS	SW6020B				(SW3005A)			
Magnesium	2.48	0.100		mg/L	337998	1	06/16/2022 22:10	JM
Potassium	1.05	0.100		mg/L	337998	1	06/16/2022 22:10	JM
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	337998	1	06/16/2022 22:10	JM
Arsenic	BRL	0.0100		mg/L	337998	1	06/16/2022 22:10	JM
Barium	0.0204	0.0200		mg/L	337998	1	06/16/2022 22:10	JM
Beryllium	BRL	0.00300		mg/L	337998	1	06/16/2022 22:10	JM
Cadmium	BRL	0.00500		mg/L	337998	1	06/16/2022 22:10	JM
Chromium	BRL	0.0100		mg/L	337998	1	06/16/2022 22:10	JM
Cobalt	BRL	0.0400		mg/L	337998	1	06/16/2022 22:10	JM
Copper	BRL	0.0200		mg/L	337998	1	06/16/2022 22:10	JM
Lead	BRL	0.0150		mg/L	337998	1	06/16/2022 22:10	JM
Nickel	BRL	0.0200		mg/L	337998	1	06/16/2022 22:10	JM
Selenium	BRL	0.0100		mg/L	337998	1	06/16/2022 22:10	JM
Silver	BRL	0.0100		mg/L	337998	1	06/16/2022 22:10	JM
Thallium	BRL	0.00200		mg/L	337998	1	06/16/2022 22:10	JM
Vanadium	BRL	0.0200		mg/L	337998	1	06/16/2022 22:10	JM
Zinc	0.0308	0.0200		mg/L	337998	1	06/16/2022 22:10	JM

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: 2206E70-010

Client Sample ID: GWC-14
Collection Date: 6/9/2022 10:25:00 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	338135	1	06/16/2022 03:03	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
1,1-Dichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
1,1-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
1,2,3-Trichloropropane	BRL	10		ug/L	338135	1	06/16/2022 03:03	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338135	1	06/16/2022 03:03	OM
1,2-Dibromoethane	BRL	1.0		ug/L	338135	1	06/16/2022 03:03	OM
1,2-Dichlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 03:03	OM
1,2-Dichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
1,2-Dichloropropane	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
1,4-Dichlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 03:03	OM
2-Butanone	BRL	100		ug/L	338135	1	06/16/2022 03:03	OM
2-Hexanone	BRL	50		ug/L	338135	1	06/16/2022 03:03	OM
4-Methyl-2-pentanone	BRL	50		ug/L	338135	1	06/16/2022 03:03	OM
Acetone	BRL	100		ug/L	338135	1	06/16/2022 03:03	OM
Acrylonitrile	BRL	50		ug/L	338135	1	06/16/2022 03:03	OM
Benzene	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
Bromochloromethane	BRL	10		ug/L	338135	1	06/16/2022 03:03	OM
Bromodichloromethane	BRL	10		ug/L	338135	1	06/16/2022 03:03	OM
Bromoform	BRL	10		ug/L	338135	1	06/16/2022 03:03	OM
Bromomethane	BRL	10		ug/L	338135	1	06/16/2022 03:03	OM
Carbon disulfide	BRL	5.0		ug/L	338135	1	06/16/2022 03:03	OM
Carbon tetrachloride	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
Chlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 03:03	OM
Chloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
Chloroform	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
Chloromethane	BRL	10		ug/L	338135	1	06/16/2022 03:03	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
Dibromochloromethane	BRL	10		ug/L	338135	1	06/16/2022 03:03	OM
Dibromomethane	BRL	10		ug/L	338135	1	06/16/2022 03:03	OM
Ethylbenzene	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
Iodomethane	BRL	100		ug/L	338135	1	06/16/2022 03:03	OM
Methylene chloride	BRL	5.0		ug/L	338135	1	06/16/2022 03:03	OM
Styrene	BRL	10		ug/L	338135	1	06/16/2022 03:03	OM
Tetrachloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
Toluene	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338135	1	06/16/2022 03:03	OM
Trichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
Trichlorofluoromethane	BRL	10		ug/L	338135	1	06/16/2022 03:03	OM
Vinyl acetate	BRL	100		ug/L	338135	1	06/16/2022 03:03	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: 6/9/2022 10:25:00 AM
Lab ID: 2206E70-010	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338135	1	06/16/2022 03:03	OM
Xylenes, Total	BRL	5.0		ug/L	338135	1	06/16/2022 03:03	OM
Surr: 4-Bromofluorobenzene	95.7	75-118		%REC	338135	1	06/16/2022 03:03	OM
Surr: Dibromofluoromethane	99.4	82.5-121		%REC	338135	1	06/16/2022 03:03	OM
Surr: Toluene-d8	98.8	78.3-118		%REC	338135	1	06/16/2022 03:03	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: 2206E70-011

Client Sample ID: GWC-8
Collection Date: 6/9/2022 1:55:00 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	338135	1	06/16/2022 03:24	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
1,1-Dichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
1,1-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
1,2,3-Trichloropropane	BRL	10		ug/L	338135	1	06/16/2022 03:24	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338135	1	06/16/2022 03:24	OM
1,2-Dibromoethane	BRL	1.0		ug/L	338135	1	06/16/2022 03:24	OM
1,2-Dichlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 03:24	OM
1,2-Dichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
1,2-Dichloropropane	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
1,4-Dichlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 03:24	OM
2-Butanone	BRL	100		ug/L	338135	1	06/16/2022 03:24	OM
2-Hexanone	BRL	50		ug/L	338135	1	06/16/2022 03:24	OM
4-Methyl-2-pentanone	BRL	50		ug/L	338135	1	06/16/2022 03:24	OM
Acetone	BRL	100		ug/L	338135	1	06/16/2022 03:24	OM
Acrylonitrile	BRL	50		ug/L	338135	1	06/16/2022 03:24	OM
Benzene	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
Bromochloromethane	BRL	10		ug/L	338135	1	06/16/2022 03:24	OM
Bromodichloromethane	BRL	10		ug/L	338135	1	06/16/2022 03:24	OM
Bromoform	BRL	10		ug/L	338135	1	06/16/2022 03:24	OM
Bromomethane	BRL	10		ug/L	338135	1	06/16/2022 03:24	OM
Carbon disulfide	BRL	5.0		ug/L	338135	1	06/16/2022 03:24	OM
Carbon tetrachloride	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
Chlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 03:24	OM
Chloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
Chloroform	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
Chloromethane	BRL	10		ug/L	338135	1	06/16/2022 03:24	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
Dibromochloromethane	BRL	10		ug/L	338135	1	06/16/2022 03:24	OM
Dibromomethane	BRL	10		ug/L	338135	1	06/16/2022 03:24	OM
Ethylbenzene	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
Iodomethane	BRL	100		ug/L	338135	1	06/16/2022 03:24	OM
Methylene chloride	BRL	5.0		ug/L	338135	1	06/16/2022 03:24	OM
Styrene	BRL	10		ug/L	338135	1	06/16/2022 03:24	OM
Tetrachloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
Toluene	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338135	1	06/16/2022 03:24	OM
Trichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
Trichlorofluoromethane	BRL	10		ug/L	338135	1	06/16/2022 03:24	OM
Vinyl acetate	BRL	100		ug/L	338135	1	06/16/2022 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: GWC-8
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 1:55:00 PM
Lab ID: 2206E70-011	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
Vinyl chloride	BRL	2.0		ug/L	338135	1	06/16/2022 03:24	OM
Xylenes, Total	BRL	5.0		ug/L	338135	1	06/16/2022 03:24	OM
Surr: 4-Bromofluorobenzene	93.3	75-118		%REC	338135	1	06/16/2022 03:24	OM
Surr: Dibromofluoromethane	103	82.5-121		%REC	338135	1	06/16/2022 03:24	OM
Surr: Toluene-d8	99.3	78.3-118		%REC	338135	1	06/16/2022 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: AMW-9
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022 9:30:00 AM
Lab ID: 2206E70-012	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	337998	1	06/16/2022 22:17	JM
Arsenic	BRL	0.0100		mg/L	337998	1	06/16/2022 22:17	JM
Barium	BRL	0.0200		mg/L	337998	1	06/16/2022 22:17	JM
Beryllium	BRL	0.00300		mg/L	337998	1	06/16/2022 22:17	JM
Cadmium	BRL	0.00500		mg/L	337998	1	06/16/2022 22:17	JM
Chromium	BRL	0.0100		mg/L	337998	1	06/16/2022 22:17	JM
Cobalt	BRL	0.0400		mg/L	337998	1	06/16/2022 22:17	JM
Copper	BRL	0.0200		mg/L	337998	1	06/16/2022 22:17	JM
Lead	BRL	0.0150		mg/L	337998	1	06/16/2022 22:17	JM
Nickel	BRL	0.0200		mg/L	337998	1	06/16/2022 22:17	JM
Selenium	BRL	0.0100		mg/L	337998	1	06/16/2022 22:17	JM
Silver	BRL	0.0100		mg/L	337998	1	06/16/2022 22:17	JM
Thallium	BRL	0.00200		mg/L	337998	1	06/16/2022 22:17	JM
Vanadium	BRL	0.0200		mg/L	337998	1	06/16/2022 22:17	JM
Zinc	0.0293	0.0200		mg/L	337998	1	06/16/2022 22:17	JM

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: 2206E70-013

Client Sample ID: TRIP BLANK
Collection Date: 6/10/2022
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	338135	1	06/16/2022 03:46	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
1,1-Dichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
1,1-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
1,2,3-Trichloropropane	BRL	10		ug/L	338135	1	06/16/2022 03:46	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338135	1	06/16/2022 03:46	OM
1,2-Dibromoethane	BRL	1.0		ug/L	338135	1	06/16/2022 03:46	OM
1,2-Dichlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 03:46	OM
1,2-Dichloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
1,2-Dichloropropane	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
1,4-Dichlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 03:46	OM
2-Butanone	BRL	100		ug/L	338135	1	06/16/2022 03:46	OM
2-Hexanone	BRL	50		ug/L	338135	1	06/16/2022 03:46	OM
4-Methyl-2-pentanone	BRL	50		ug/L	338135	1	06/16/2022 03:46	OM
Acetone	BRL	100		ug/L	338135	1	06/16/2022 03:46	OM
Acrylonitrile	BRL	50		ug/L	338135	1	06/16/2022 03:46	OM
Benzene	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
Bromochloromethane	BRL	10		ug/L	338135	1	06/16/2022 03:46	OM
Bromodichloromethane	BRL	10		ug/L	338135	1	06/16/2022 03:46	OM
Bromoform	BRL	10		ug/L	338135	1	06/16/2022 03:46	OM
Bromomethane	BRL	10		ug/L	338135	1	06/16/2022 03:46	OM
Carbon disulfide	BRL	5.0		ug/L	338135	1	06/16/2022 03:46	OM
Carbon tetrachloride	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
Chlorobenzene	BRL	10		ug/L	338135	1	06/16/2022 03:46	OM
Chloroethane	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
Chloroform	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
Chloromethane	BRL	10		ug/L	338135	1	06/16/2022 03:46	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
Dibromochloromethane	BRL	10		ug/L	338135	1	06/16/2022 03:46	OM
Dibromomethane	BRL	10		ug/L	338135	1	06/16/2022 03:46	OM
Ethylbenzene	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
Iodomethane	BRL	100		ug/L	338135	1	06/16/2022 03:46	OM
Methylene chloride	BRL	5.0		ug/L	338135	1	06/16/2022 03:46	OM
Styrene	BRL	10		ug/L	338135	1	06/16/2022 03:46	OM
Tetrachloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
Toluene	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338135	1	06/16/2022 03:46	OM
Trichloroethene	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
Trichlorofluoromethane	BRL	10		ug/L	338135	1	06/16/2022 03:46	OM
Vinyl acetate	BRL	100		ug/L	338135	1	06/16/2022 03:46	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: TRIP BLANK
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022
Lab ID: 2206E70-013	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338135	1	06/16/2022 03:46	OM
Xylenes, Total	BRL	5.0		ug/L	338135	1	06/16/2022 03:46	OM
Surr: 4-Bromofluorobenzene	95.3	75-118		%REC	338135	1	06/16/2022 03:46	OM
Surr: Dibromofluoromethane	98.2	82.5-121		%REC	338135	1	06/16/2022 03:46	OM
Surr: Toluene-d8	98.9	78.3-118		%REC	338135	1	06/16/2022 03:46	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

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Atlantic Coast Consulting, Inc.

AES Work Order Number: 2206E70

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 type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
5. Custody seals intact on shipping container?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
6. Temperature blanks present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
10. Sampler name and/or signature on COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
11. Were all samples received within holding time?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
12. TAT marked on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	

13. Cooler 1 Temperature 2.5 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). HM 6/13/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
26. Were trip blanks submitted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input checked="" type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). HM 6/13/22

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
29. Containers meet preservation guidelines?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
30. 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 28-30 (dated initials). HM 6/13/22

Locked

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: 337998

Sample ID: MB-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488893							
SampleType: MBLK	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382934							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Magnesium BRL 0.100
 Potassium BRL 0.100

Sample ID: MB-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488894							
SampleType: MBLK	TestCode: APPENDIX I METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382990							
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 0.00300
 Cadmium BRL 0.00500
 Chromium BRL 0.0100
 Cobalt BRL 0.0400
 Copper BRL 0.0200
 Lead BRL 0.0150
 Nickel BRL 0.0200
 Selenium BRL 0.0100
 Silver BRL 0.00500
 Thallium BRL 0.00200
 Vanadium BRL 0.0200
 Zinc BRL 0.0200

Sample ID: LCS-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488893							
SampleType: LCS	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382935							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Magnesium 1.024 0.100 1.000 102 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: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: 337998

Sample ID: LCS-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488893							
SampleType: LCS	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382935							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Potassium 1.020 0.100 1.000 102 80 120

Sample ID: LCS-337998	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488894							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382991							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09701	0.00600	0.1000		97.0	80	120				
Arsenic	0.09957	0.0100	0.1000		99.6	80	120				
Barium	0.09926	0.0200	0.1000		99.3	80	120				
Beryllium	0.09313	0.00400	0.1000		93.1	80	120				
Cadmium	0.09841	0.00500	0.1000		98.4	80	120				
Chromium	0.1023	0.0200	0.1000		102	80	120				
Cobalt	0.1015	0.0500	0.1000		101	80	120				
Copper	0.1371	0.0200	0.1000		137	80	120				S
Lead	0.1029	0.0100	0.1000		103	80	120				
Nickel	0.09917	0.0400	0.1000		99.2	80	120				
Selenium	0.09515	0.0500	0.1000		95.1	80	120				
Silver	0.009938	0.00500	0.0100		99.4	80	120				
Thallium	0.1069	0.00200	0.1000		107	80	120				
Vanadium	0.09861	0.0500	0.1000		98.6	80	120				
Zinc	0.1152	0.0200	0.1000		115	80	120				

Sample ID: 2206E69-002AMS	Client ID: GWC-13	Units: mg/L	Prep Date: 06/15/2022	Run No: 488893							
SampleType: MS	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382937							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Magnesium 1.516 0.100 1.000 0.4587 106 75 125
 Potassium 1.683 0.100 1.000 0.6105 107 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: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: 337998

Sample ID: 2206E69-002AMS	Client ID: GWC-13	Units: mg/L	Prep Date: 06/15/2022	Run No: 488894							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382993							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1014	0.00600	0.1000		101	75	125				
Arsenic	0.09907	0.0100	0.1000		99.1	75	125				
Barium	0.1161	0.0200	0.1000	0.01459	102	75	125				
Beryllium	0.09736	0.00400	0.1000		97.4	75	125				
Cadmium	0.1001	0.00500	0.1000		100	75	125				
Chromium	0.1080	0.0200	0.1000	0.002604	105	75	125				
Cobalt	0.1050	0.0500	0.1000		105	75	125				
Copper	0.1053	0.0200	0.1000		105	75	125				
Lead	0.1066	0.0100	0.1000		107	75	125				
Nickel	0.1011	0.0400	0.1000		101	75	125				
Selenium	0.09386	0.0500	0.1000		93.9	75	125				
Silver	0.01021	0.00500	0.0100		102	75	125				
Thallium	0.1114	0.00200	0.1000	0.0005171	111	75	125				
Vanadium	0.1007	0.0500	0.1000		101	75	125				
Zinc	0.1298	0.0200	0.1000	0.01980	110	75	125				

Sample ID: 2206E69-002AMSD	Client ID: GWC-13	Units: mg/L	Prep Date: 06/15/2022	Run No: 488893							
SampleType: MSD	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382938							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Magnesium	1.490	0.100	1.000	0.4587	103	75	125	1.516	1.72	20	
Potassium	1.666	0.100	1.000	0.6105	106	75	125	1.683	1.01	20	

Sample ID: 2206E69-002AMSD	Client ID: GWC-13	Units: mg/L	Prep Date: 06/15/2022	Run No: 488894							
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382994							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09843	0.00600	0.1000		98.4	75	125	0.1014	2.98	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: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: 337998

Sample ID: 2206E69-002AMSD	Client ID: GWC-13	Units: mg/L	Prep Date: 06/15/2022	Run No: 488894							
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 337998	Analysis Date: 06/16/2022	Seq No: 11382994							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.1006	0.0100	0.1000		101	75	125	0.09907	1.48	20	
Barium	0.1166	0.0200	0.1000	0.01459	102	75	125	0.1161	0.391	20	
Beryllium	0.09513	0.00400	0.1000		95.1	75	125	0.09736	2.32	20	
Cadmium	0.1002	0.00500	0.1000		100	75	125	0.1001	0.113	20	
Chromium	0.1058	0.0200	0.1000	0.002604	103	75	125	0.1080	2.07	20	
Cobalt	0.1034	0.0500	0.1000		103	75	125	0.1050	1.57	20	
Copper	0.1012	0.0200	0.1000		101	75	125	0.1053	3.97	20	
Lead	0.1037	0.0100	0.1000		104	75	125	0.1066	2.76	20	
Nickel	0.09915	0.0400	0.1000		99.1	75	125	0.1011	1.92	20	
Selenium	0.09642	0.0500	0.1000		96.4	75	125	0.09386	2.69	20	
Silver	0.01025	0.00500	0.0100		103	75	125	0.01021	0.355	20	
Thallium	0.1109	0.00200	0.1000	0.0005171	110	75	125	0.1114	0.438	20	
Vanadium	0.09949	0.0500	0.1000		99.5	75	125	0.1007	1.18	20	
Zinc	0.1254	0.0200	0.1000	0.01980	106	75	125	0.1298	3.44	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: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: 338135

Sample ID: MB-338135	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488761							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338135	Analysis Date: 06/15/2022	Seq No: 11379123							
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: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: 338135

Sample ID: MB-338135	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488761							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338135	Analysis Date: 06/15/2022	Seq No: 11379123							
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	49.30	0	50.00		98.6	75	118				
Surr: Dibromofluoromethane	48.58	0	50.00		97.2	82.5	121				
Surr: Toluene-d8	50.21	0	50.00		100	78.3	118				

Sample ID: LCS-338135	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488761							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338135	Analysis Date: 06/15/2022	Seq No: 11379124							
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: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: 338135

Sample ID: LCS-338135	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488761							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338135	Analysis Date: 06/15/2022	Seq No: 11379124							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	54.19	5.0	50.00		108	71	130				
Benzene	48.77	5.0	50.00		97.5	80.4	126				
Chlorobenzene	46.71	5.0	50.00		93.4	81	120				
Toluene	47.78	5.0	50.00		95.6	79.2	124				
Trichloroethene	50.59	5.0	50.00		101	78.4	125				
Surr: 4-Bromofluorobenzene	49.54	0	50.00		99.1	75	118				
Surr: Dibromofluoromethane	50.66	0	50.00		101	82.5	121				
Surr: Toluene-d8	51.25	0	50.00		102	78.3	118				

Sample ID: 2206A82-005AMS	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488825							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338135	Analysis Date: 06/16/2022	Seq No: 11381233							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	19.52	5.0	20.00		97.6	67.6	143				
Benzene	19.26	5.0	20.00	0.2600	95.0	70.5	136				
Chlorobenzene	19.42	5.0	20.00		97.1	77.1	133				
Toluene	19.35	5.0	20.00		96.8	66.4	140				
Trichloroethene	19.57	5.0	20.00		97.8	75.1	140				
Surr: 4-Bromofluorobenzene	47.76	0	50.00		95.5	75	118				
Surr: Dibromofluoromethane	46.66	0	50.00		93.3	82.5	121				
Surr: Toluene-d8	48.42	0	50.00		96.8	78.3	118				

Sample ID: 2206A82-003ADUP	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488825							
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338135	Analysis Date: 06/16/2022	Seq No: 11381230							
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: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: 338135

Sample ID: 2206A82-003ADUP	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488825
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338135	Analysis Date: 06/16/2022	Seq No: 11381230

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: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: 338135

Sample ID: 2206A82-003ADUP	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488825							
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338135	Analysis Date: 06/16/2022	Seq No: 11381230							
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	45.70	0	50.00		91.4	75	118	47.64	0	0	
Surr: Dibromofluoromethane	44.38	0	50.00		88.8	82.5	121	48.37	0	0	
Surr: Toluene-d8	46.55	0	50.00		93.1	78.3	118	50.05	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: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: 338272

Sample ID: MB-338272	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488717							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/16/2022	Seq No: 11386369							
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: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: 338272

Sample ID: MB-338272	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488717							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/16/2022	Seq No: 11386369							
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	50.86	0	50.00		102	75	118				
Surr: Dibromofluoromethane	49.29	0	50.00		98.6	82.5	121				
Surr: Toluene-d8	47.92	0	50.00		95.8	78.3	118				

Sample ID: LCS-338272	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488717							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/16/2022	Seq No: 11386370							
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: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: 338272

Sample ID: LCS-338272	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488717							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/16/2022	Seq No: 11386370							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	53.31	5.0	50.00		107	71	130				
Benzene	51.87	5.0	50.00		104	80.4	126				
Chlorobenzene	52.11	5.0	50.00		104	81	120				
Toluene	52.23	5.0	50.00		104	79.2	124				
Trichloroethene	54.65	5.0	50.00		109	78.4	125				
Surr: 4-Bromofluorobenzene	53.68	0	50.00		107	75	118				
Surr: Dibromofluoromethane	49.77	0	50.00		99.5	82.5	121				
Surr: Toluene-d8	49.05	0	50.00		98.1	78.3	118				

Sample ID: 2206E42-007AMS	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 489040							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/19/2022	Seq No: 11387913							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	17.92	5.0	20.00		89.6	67.6	143				
Benzene	20.08	5.0	20.00		100	70.5	136				
Chlorobenzene	20.28	5.0	20.00		101	77.1	133				
Toluene	20.51	5.0	20.00		103	66.4	140				
Trichloroethene	20.85	5.0	20.00		104	75.1	140				
Surr: 4-Bromofluorobenzene	50.76	0	50.00		102	75	118				
Surr: Dibromofluoromethane	47.56	0	50.00		95.1	82.5	121				
Surr: Toluene-d8	50.75	0	50.00		102	78.3	118				

Sample ID: 2206E42-007AMSD	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 489040							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/19/2022	Seq No: 11387914							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	16.64	5.0	20.00		83.2	67.6	143	17.92	7.41	19.6	
Benzene	18.91	5.0	20.00		94.6	70.5	136	20.08	6.00	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: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: 338272

Sample ID: 2206E42-007AMSD	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 489040							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/19/2022	Seq No: 11387914							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	19.16	5.0	20.00		95.8	77.1	133	20.28	5.68	20	
Toluene	19.57	5.0	20.00		97.8	66.4	140	20.51	4.69	20	
Trichloroethene	19.46	5.0	20.00		97.3	75.1	140	20.85	6.90	20	
Surr: 4-Bromofluorobenzene	51.41	0	50.00		103	75	118	50.76	0	0	
Surr: Dibromofluoromethane	46.83	0	50.00		93.7	82.5	121	47.56	0	0	
Surr: Toluene-d8	49.87	0	50.00		99.7	78.3	118	50.75	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: 2206E70

ANALYTICAL QC SUMMARY REPORT

BatchID: R489294

Sample ID: MB-R489294	Client ID:	Units: mg/L	Prep Date:	Run No: 489294							
SampleType: MBLK	TestCode: Inorganic Anions by IC E300.0	BatchID: R489294	Analysis Date: 06/21/2022	Seq No: 11395542							
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-R489294	Client ID:	Units: mg/L	Prep Date:	Run No: 489294							
SampleType: LCS	TestCode: Inorganic Anions by IC E300.0	BatchID: R489294	Analysis Date: 06/21/2022	Seq No: 11395541							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 10.26 1.00 10.00 103 90 110

Sample ID: 2206E71-002EMS	Client ID:	Units: mg/L	Prep Date:	Run No: 489294							
SampleType: MS	TestCode: Inorganic Anions by IC E300.0	BatchID: R489294	Analysis Date: 06/22/2022	Seq No: 11395560							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 16.39 1.00 10.00 6.816 95.8 90 110

Sample ID: 2206E71-004DMS	Client ID:	Units: mg/L	Prep Date:	Run No: 489294							
SampleType: MS	TestCode: Inorganic Anions by IC E300.0	BatchID: R489294	Analysis Date: 06/22/2022	Seq No: 11395564							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 11.70 1.00 10.00 2.134 95.7 90 110

Sample ID: 2206E71-002EMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 489294							
SampleType: MSD	TestCode: Inorganic Anions by IC E300.0	BatchID: R489294	Analysis Date: 06/22/2022	Seq No: 11395561							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 16.36 1.00 10.00 6.816 95.5 90 110 16.39 0.182 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	

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 23, 2022

Charles Adams
Atlantic Coast Consulting, Inc.

1150 Northmeadow Pkwy
Roswell GA 30076

RE: Forsyth County-Hightower Road MSWLF

Dear Charles Adams:

Order No: 2206E71

Analytical Environmental Services, Inc. received 11 samples on 6/10/2022 3:15:00 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 AES established limits.

AES’s 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 07/01/21-06/30/22.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/22 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-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 11/01/23.

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

Visit our website
www.aesatlanta.com for
downloadable COCs and to
log in to your AES Access
account.

Number of Containers

COMPANY: Atlantic Coast Consulting, Inc.		ADDRESS: 1150 Northmeadow Pkwy Suite 100 Roswell, GA 30076					ANALYSIS REQUESTED												REMARKS		
PHONE: 770-712-9785 or 770-594-5998		EMAIL: charles.adams@atlcc.net					App II VOC	EDB/DBCP	Appendix II Metals	App II BNA/Pest/PCB/Herb	Cyanide	Sulfide	SW Metals	Mercury	COD	Cyanide	Chloride	TOC			App I VOC
SAMPLED BY: H. Aniel, Eric Stamm		SIGNATURE: <i>H. Aniel</i>					PRESERVATION (see codes)														
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	H+I	H+I	N	I	NaOH	ZnAc									
		DATE	TIME																		
1	SWC-5	6-9-22	1055	✓		SW							✓	✓	✓	✓	✓	✓			
2	SWC-1	6-10-22	1100	✓		SW							✓	✓	✓	✓	✓	✓			
3	SWC-7	6-10-22	1110	✓		SW							✓	✓	✓	✓	✓	✓			
4	SWA-2	6-10-22	1120	✓		SW							✓	✓	✓	✓	✓	✓			
5	SWC-4A	6-10-22	1140	✓		SW														✓	
6	SWC-4	6-10-22	1155	✓		SW							✓	✓	✓	✓	✓	✓	✓		
7	SWC-3	6-10-22	1205	✓		SW							✓	✓	✓	✓	✓	✓			
8	SWC-2	6-10-22	1220	✓		SW							✓	✓	✓	✓	✓	✓			
9	SWC-6	6-10-22	1240	✓		SW							✓	✓	✓	✓	✓	✓	✓		
10	SWA-1	6-10-22	1250	✓		SW							✓	✓	✓	✓	✓	✓			
11	Trip Blank			✓		W	✓														
12																					
13																					
14																					

RELINQUISHED BY: 1. <i>H. Aniel</i>	DATE/TIME: 1515/6-10-22	RECEIVED BY: 1. <i>Don Capull</i>	DATE/TIME: 6/10/22 15:15	PROJECT INFORMATION				RECEIPT	
2.		2.		PROJECT NAME: Forsyth County - Hightower Road MSWLF				Total # of Containers	
3.		3.		PROJECT #: G020-113				Turnaround Time (TAT) Request	
SPECIAL INSTRUCTIONS/COMMENTS:				SITE ADDRESS: 9480 Old Federal Road, Ballground, GA 30107				<input checked="" type="checkbox"/> Standard	
				SEND REPORT TO: Charles Adams, Betsy McDaniel				<input type="checkbox"/> 2 Business Day Rush	
				INVOICE TO (IF DIFFERENT FROM ABOVE):				<input type="checkbox"/> Next Business Day Rush	
				QUOTE #:				STATE PROGRAM (if any):	
				PO#:				E-mail? <input type="checkbox"/> Fax? <input type="checkbox"/>	
								DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>	

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-5
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 10:55:00 AM
Lab ID: 2206E71-001	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	4.44	1.00		mg/L	R488586	1	06/14/2022 15:12	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	338209	1	06/18/2022 14:18	KV
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	338122	1	06/16/2022 16:25	GR
Inorganic Anions by IC E300.0								
Chloride	21.3	0.500		mg/L	R489294	1	06/21/2022 20:52	BI
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	12.2	10.0		mg/L	R488490	1	06/14/2022 13:30	GY
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	338016	1	06/15/2022 16:45	JM
Barium	0.0442	0.0200		mg/L	338016	1	06/15/2022 16:45	JM
Cadmium	BRL	0.0050		mg/L	338016	1	06/15/2022 16:45	JM
Chromium	BRL	0.0100		mg/L	338016	1	06/15/2022 16:45	JM
Lead	BRL	0.0100		mg/L	338016	1	06/15/2022 16:45	JM
Nickel	BRL	0.0200		mg/L	338016	1	06/15/2022 16:45	JM
Selenium	BRL	0.0200		mg/L	338016	1	06/15/2022 16:45	JM
Silver	BRL	0.0100		mg/L	338016	1	06/15/2022 16:45	JM
Zinc	BRL	0.0200		mg/L	338016	1	06/15/2022 16:45	JM

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: 2206E71-002

Client Sample ID: SWC-1
Collection Date: 6/10/2022 11:00:00 AM
Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	BRL	1.00		mg/L	R488586	1	06/14/2022 15:30	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	338209	1	06/18/2022 14:10	KV
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	338122	1	06/16/2022 16:37	GR
Inorganic Anions by IC E300.0								
Chloride	6.82	0.500		mg/L	R489294	1	06/21/2022 21:08	BI
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R488490	1	06/14/2022 13:30	GY
APPENDIX I VOLATILE ORGANICS SW8260D (SW5030B)								
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 05:54	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 05:54	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 05:54	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 05:54	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 05:54	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 05:54	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 05:54	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 05:54	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 05:54	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 05:54	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 05:54	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 05:54	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 05:54	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 05:54	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 05:54	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 05:54	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 05:54	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM

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: 6/10/2022 11:00:00 AM
Lab ID: 2206E71-002	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 05:54	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 05:54	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 05:54	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 05:54	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 05:54	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 05:54	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 05:54	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 05:54	CM
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 05:54	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 05:54	CM
Surr: 4-Bromofluorobenzene	112	75-118		%REC	338272	1	06/16/2022 05:54	CM
Surr: Dibromofluoromethane	105	82.5-121		%REC	338272	1	06/16/2022 05:54	CM
Surr: Toluene-d8	96.2	78.3-118		%REC	338272	1	06/16/2022 05:54	CM
METALS, TOTAL SW6010D					(SW3010A)			
Arsenic	BRL	0.0500		mg/L	338016	1	06/15/2022 17:30	JM
Barium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:30	JM
Cadmium	BRL	0.0050		mg/L	338016	1	06/15/2022 17:30	JM
Chromium	BRL	0.0100		mg/L	338016	1	06/15/2022 17:30	JM
Lead	BRL	0.0100		mg/L	338016	1	06/15/2022 17:30	JM
Nickel	BRL	0.0200		mg/L	338016	1	06/15/2022 17:30	JM
Selenium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:30	JM
Silver	BRL	0.0100		mg/L	338016	1	06/15/2022 17:30	JM
Zinc	BRL	0.0200		mg/L	338016	1	06/15/2022 17:30	JM

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-7
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022 11:10:00 AM
Lab ID: 2206E71-003	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	1.09	1.00		mg/L	R488586	1	06/14/2022 15:48	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	338209	1	06/18/2022 14:27	KV
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	338122	1	06/16/2022 16:41	GR
Inorganic Anions by IC E300.0								
Chloride	1.98	0.500		mg/L	R489294	1	06/21/2022 21:25	BI
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R488490	1	06/14/2022 13:30	GY
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	338016	1	06/15/2022 17:33	JM
Barium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:33	JM
Cadmium	BRL	0.0050		mg/L	338016	1	06/15/2022 17:33	JM
Chromium	BRL	0.0100		mg/L	338016	1	06/15/2022 17:33	JM
Lead	BRL	0.0100		mg/L	338016	1	06/15/2022 17:33	JM
Nickel	BRL	0.0200		mg/L	338016	1	06/15/2022 17:33	JM
Selenium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:33	JM
Silver	BRL	0.0100		mg/L	338016	1	06/15/2022 17:33	JM
Zinc	BRL	0.0200		mg/L	338016	1	06/15/2022 17:33	JM

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-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022 11:20:00 AM
Lab ID: 2206E71-004	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	BRL	1.00		mg/L	R488586	1	06/14/2022 16:06	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	338125	1	06/17/2022 13:07	CB
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	338122	1	06/16/2022 16:45	GR
Inorganic Anions by IC E300.0								
Chloride	2.13	0.500		mg/L	R489294	1	06/21/2022 21:41	BI
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R488490	1	06/14/2022 13:30	GY
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	338016	1	06/15/2022 17:36	JM
Barium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:36	JM
Cadmium	BRL	0.0050		mg/L	338016	1	06/15/2022 17:36	JM
Chromium	BRL	0.0100		mg/L	338016	1	06/15/2022 17:36	JM
Lead	BRL	0.0100		mg/L	338016	1	06/15/2022 17:36	JM
Nickel	BRL	0.0200		mg/L	338016	1	06/15/2022 17:36	JM
Selenium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:36	JM
Silver	BRL	0.0100		mg/L	338016	1	06/15/2022 17:36	JM
Zinc	BRL	0.0200		mg/L	338016	1	06/15/2022 17:36	JM

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: 2206E71-005

Client Sample ID: SWC-4A
Collection Date: 6/10/2022 11:40:00 AM
Matrix: Surface Water

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	338272	1	06/16/2022 06:20	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 06:20	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 06:20	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 06:20	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 06:20	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 06:20	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 06:20	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 06:20	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 06:20	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 06:20	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 06:20	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 06:20	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 06:20	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 06:20	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 06:20	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 06:20	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 06:20	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 06:20	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 06:20	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 06:20	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 06:20	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 06:20	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 06:20	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 06:20	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 06:20	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 06:20	CM

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: 6/10/2022 11:40:00 AM
Lab ID: 2206E71-005	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 06:20	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 06:20	CM
Surr: 4-Bromofluorobenzene	109	75-118		%REC	338272	1	06/16/2022 06:20	CM
Surr: Dibromofluoromethane	109	82.5-121		%REC	338272	1	06/16/2022 06:20	CM
Surr: Toluene-d8	92.8	78.3-118		%REC	338272	1	06/16/2022 06:20	CM

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: 2206E71-006

Client Sample ID: SWC-4
Collection Date: 6/10/2022 11:55:00 AM
Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	BRL	1.00		mg/L	R488586	1	06/14/2022 16:24	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	338209	1	06/18/2022 14:30	KV
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	338122	1	06/16/2022 16:49	GR
Inorganic Anions by IC E300.0								
Chloride	2.69	0.500		mg/L	R489294	1	06/21/2022 21:57	BI
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R488490	1	06/14/2022 13:30	GY
APPENDIX I VOLATILE ORGANICS SW8260D (SW5030B)								
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 06:46	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 06:46	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 06:46	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 06:46	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 06:46	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 06:46	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 06:46	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 06:46	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 06:46	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 06:46	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 06:46	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 06:46	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 06:46	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 06:46	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 06:46	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 06:46	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 06:46	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM

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: 6/10/2022 11:55:00 AM
Lab ID: 2206E71-006	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 06:46	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 06:46	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 06:46	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 06:46	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 06:46	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 06:46	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 06:46	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 06:46	CM
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 06:46	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 06:46	CM
Surr: 4-Bromofluorobenzene	112	75-118		%REC	338272	1	06/16/2022 06:46	CM
Surr: Dibromofluoromethane	107	82.5-121		%REC	338272	1	06/16/2022 06:46	CM
Surr: Toluene-d8	95.9	78.3-118		%REC	338272	1	06/16/2022 06:46	CM
METALS, TOTAL SW6010D				(SW3010A)				
Arsenic	BRL	0.0500		mg/L	338016	1	06/15/2022 17:39	JM
Barium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:39	JM
Cadmium	BRL	0.0050		mg/L	338016	1	06/15/2022 17:39	JM
Chromium	BRL	0.0100		mg/L	338016	1	06/15/2022 17:39	JM
Lead	BRL	0.0100		mg/L	338016	1	06/15/2022 17:39	JM
Nickel	BRL	0.0200		mg/L	338016	1	06/15/2022 17:39	JM
Selenium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:39	JM
Silver	BRL	0.0100		mg/L	338016	1	06/15/2022 17:39	JM
Zinc	BRL	0.0200		mg/L	338016	1	06/15/2022 17:39	JM

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: 6/10/2022 12:05:00 PM
Lab ID: 2206E71-007	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	BRL	1.00		mg/L	R488586	1	06/14/2022 16:42	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	338209	1	06/18/2022 14:33	KV
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	338122	1	06/16/2022 16:53	GR
Inorganic Anions by IC E300.0								
Chloride	2.69	0.500		mg/L	R489294	1	06/21/2022 22:13	BI
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R488490	1	06/14/2022 13:30	GY
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	338016	1	06/15/2022 17:42	JM
Barium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:42	JM
Cadmium	BRL	0.0050		mg/L	338016	1	06/15/2022 17:42	JM
Chromium	BRL	0.0100		mg/L	338016	1	06/15/2022 17:42	JM
Lead	BRL	0.0100		mg/L	338016	1	06/15/2022 17:42	JM
Nickel	BRL	0.0200		mg/L	338016	1	06/15/2022 17:42	JM
Selenium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:42	JM
Silver	BRL	0.0100		mg/L	338016	1	06/15/2022 17:42	JM
Zinc	BRL	0.0200		mg/L	338016	1	06/15/2022 17:42	JM

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: 6/10/2022 12:20:00 PM
Lab ID: 2206E71-008	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	BRL	1.00		mg/L	R488586	1	06/14/2022 16:59	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	338209	1	06/18/2022 14:37	KV
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	338122	1	06/16/2022 17:09	GR
Inorganic Anions by IC E300.0								
Chloride	2.09	0.500		mg/L	R489294	1	06/21/2022 22:29	BI
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R488490	1	06/14/2022 13:30	GY
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	338016	1	06/15/2022 17:45	JM
Barium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:45	JM
Cadmium	BRL	0.0050		mg/L	338016	1	06/15/2022 17:45	JM
Chromium	BRL	0.0100		mg/L	338016	1	06/15/2022 17:45	JM
Lead	BRL	0.0100		mg/L	338016	1	06/15/2022 17:45	JM
Nickel	BRL	0.0200		mg/L	338016	1	06/15/2022 17:45	JM
Selenium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:45	JM
Silver	BRL	0.0100		mg/L	338016	1	06/15/2022 17:45	JM
Zinc	BRL	0.0200		mg/L	338016	1	06/15/2022 17:45	JM

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: 2206E71-009

Client Sample ID: SWC-6
Collection Date: 6/10/2022 12:40:00 PM
Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	2.32	1.00		mg/L	R488753	1	06/15/2022 17:46	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	338209	1	06/18/2022 14:40	KV
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	338122	1	06/16/2022 17:13	GR
Inorganic Anions by IC E300.0								
Chloride	17.0	0.500		mg/L	R489294	1	06/21/2022 22:45	BI
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R488490	1	06/14/2022 13:30	GY
APPENDIX I VOLATILE ORGANICS SW8260D (SW5030B)								
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
1,2,3-Trichloropropane	BRL	10		ug/L	338272	1	06/16/2022 07:11	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	338272	1	06/16/2022 07:11	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338272	1	06/16/2022 07:11	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 07:11	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 07:11	CM
2-Butanone	BRL	100		ug/L	338272	1	06/16/2022 07:11	CM
2-Hexanone	BRL	50		ug/L	338272	1	06/16/2022 07:11	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338272	1	06/16/2022 07:11	CM
Acetone	BRL	100		ug/L	338272	1	06/16/2022 07:11	CM
Acrylonitrile	BRL	50		ug/L	338272	1	06/16/2022 07:11	CM
Benzene	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
Bromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 07:11	CM
Bromodichloromethane	BRL	10		ug/L	338272	1	06/16/2022 07:11	CM
Bromoform	BRL	10		ug/L	338272	1	06/16/2022 07:11	CM
Bromomethane	BRL	10		ug/L	338272	1	06/16/2022 07:11	CM
Carbon disulfide	BRL	5.0		ug/L	338272	1	06/16/2022 07:11	CM
Carbon tetrachloride	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
Chlorobenzene	BRL	10		ug/L	338272	1	06/16/2022 07:11	CM
Chloroethane	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
Chloroform	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
Chloromethane	BRL	10		ug/L	338272	1	06/16/2022 07:11	CM
cis-1,2-Dichloroethene	7.6	2.0		ug/L	338272	1	06/16/2022 07:11	CM

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: 2206E71-009

Client Sample ID: SWC-6
Collection Date: 6/10/2022 12:40:00 PM
Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
Dibromochloromethane	BRL	10		ug/L	338272	1	06/16/2022 07:11	CM
Dibromomethane	BRL	10		ug/L	338272	1	06/16/2022 07:11	CM
Ethylbenzene	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
Iodomethane	BRL	100		ug/L	338272	1	06/16/2022 07:11	CM
Methylene chloride	BRL	5.0		ug/L	338272	1	06/16/2022 07:11	CM
Styrene	BRL	10		ug/L	338272	1	06/16/2022 07:11	CM
Tetrachloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
Toluene	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338272	1	06/16/2022 07:11	CM
Trichloroethene	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
Trichlorofluoromethane	BRL	10		ug/L	338272	1	06/16/2022 07:11	CM
Vinyl acetate	BRL	100		ug/L	338272	1	06/16/2022 07:11	CM
Vinyl chloride	BRL	2.0		ug/L	338272	1	06/16/2022 07:11	CM
Xylenes, Total	BRL	5.0		ug/L	338272	1	06/16/2022 07:11	CM
Surr: 4-Bromofluorobenzene	107	75-118		%REC	338272	1	06/16/2022 07:11	CM
Surr: Dibromofluoromethane	104	82.5-121		%REC	338272	1	06/16/2022 07:11	CM
Surr: Toluene-d8	93.3	78.3-118		%REC	338272	1	06/16/2022 07:11	CM
METALS, TOTAL SW6010D				(SW3010A)				
Arsenic	BRL	0.0500		mg/L	338016	1	06/15/2022 17:47	JM
Barium	0.0344	0.0200		mg/L	338016	1	06/15/2022 17:47	JM
Cadmium	BRL	0.0050		mg/L	338016	1	06/15/2022 17:47	JM
Chromium	BRL	0.0100		mg/L	338016	1	06/15/2022 17:47	JM
Lead	BRL	0.0100		mg/L	338016	1	06/15/2022 17:47	JM
Nickel	BRL	0.0200		mg/L	338016	1	06/15/2022 17:47	JM
Selenium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:47	JM
Silver	BRL	0.0100		mg/L	338016	1	06/15/2022 17:47	JM
Zinc	BRL	0.0200		mg/L	338016	1	06/15/2022 17:47	JM

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-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022 12:50:00 PM
Lab ID: 2206E71-010	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	1.33	1.00		mg/L	R488753	1	06/15/2022 18:04	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	338209	1	06/18/2022 14:43	KV
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	338122	1	06/16/2022 17:17	GR
Inorganic Anions by IC E300.0								
Chloride	2.34	0.500		mg/L	R489294	1	06/21/2022 23:01	BI
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R488490	1	06/14/2022 13:30	GY
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	338016	1	06/15/2022 17:56	JM
Barium	0.0456	0.0200		mg/L	338016	1	06/15/2022 17:56	JM
Cadmium	BRL	0.0050		mg/L	338016	1	06/15/2022 17:56	JM
Chromium	BRL	0.0100		mg/L	338016	1	06/15/2022 17:56	JM
Lead	BRL	0.0100		mg/L	338016	1	06/15/2022 17:56	JM
Nickel	BRL	0.0200		mg/L	338016	1	06/15/2022 17:56	JM
Selenium	BRL	0.0200		mg/L	338016	1	06/15/2022 17:56	JM
Silver	BRL	0.0100		mg/L	338016	1	06/15/2022 17:56	JM
Zinc	BRL	0.0200		mg/L	338016	1	06/15/2022 17:56	JM

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: 2206E71-011

Client Sample ID: TRIP BLANK
Collection Date: 6/10/2022
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	338343	1	06/20/2022 12:01	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
1,1-Dichloroethane	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
1,1-Dichloroethene	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
1,1-Dichloropropene	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	338343	1	06/20/2022 12:01	OM
1,2-Dibromoethane	BRL	1.0		ug/L	338343	1	06/20/2022 12:01	OM
1,2-Dichlorobenzene	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
1,2-Dichloroethane	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
1,2-Dichloropropane	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
1,3-Dichlorobenzene	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
1,3-Dichloropropane	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
1,4-Dichlorobenzene	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
2,2-Dichloropropane	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
2-Butanone	BRL	100		ug/L	338343	1	06/20/2022 12:01	OM
2-Hexanone	BRL	50		ug/L	338343	1	06/20/2022 12:01	OM
4-Methyl-2-pentanone	BRL	50		ug/L	338343	1	06/20/2022 12:01	OM
Acetone	BRL	100		ug/L	338343	1	06/20/2022 12:01	OM
Acetonitrile	BRL	200		ug/L	338343	1	06/20/2022 12:01	OM
Acrolein	BRL	50		ug/L	338343	1	06/20/2022 12:01	OM
Acrylonitrile	BRL	50		ug/L	338343	1	06/20/2022 12:01	OM
Allyl Chloride	BRL	100		ug/L	338343	1	06/20/2022 12:01	OM
Benzene	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
Bromochloromethane	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Bromodichloromethane	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Bromoform	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Bromomethane	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Carbon disulfide	BRL	5.0		ug/L	338343	1	06/20/2022 12:01	OM
Carbon tetrachloride	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
Chlorobenzene	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Chloroethane	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
Chloroform	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
Chloromethane	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Chloroprene	BRL	20		ug/L	338343	1	06/20/2022 12:01	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
Dibromochloromethane	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Dibromomethane	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Dichlorodifluoromethane	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Ethyl Methacrylate	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Ethylbenzene	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	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: TRIP BLANK
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022
Lab ID: 2206E71-011	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D							
					(SW5030B)			
Iodomethane	BRL	100		ug/L	338343	1	06/20/2022 12:01	OM
Isobutyl Alcohol	BRL	200		ug/L	338343	1	06/20/2022 12:01	OM
Methyl Methacrylate	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Methylacrylonitrile	BRL	200		ug/L	338343	1	06/20/2022 12:01	OM
Methylene chloride	BRL	5.0		ug/L	338343	1	06/20/2022 12:01	OM
Naphthalene	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Propionitrile	BRL	100		ug/L	338343	1	06/20/2022 12:01	OM
Styrene	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Tetrachloroethene	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
Toluene	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338343	1	06/20/2022 12:01	OM
Trichloroethene	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
Trichlorofluoromethane	BRL	10		ug/L	338343	1	06/20/2022 12:01	OM
Vinyl acetate	BRL	100		ug/L	338343	1	06/20/2022 12:01	OM
Vinyl chloride	BRL	2.0		ug/L	338343	1	06/20/2022 12:01	OM
Xylenes, Total	BRL	5.0		ug/L	338343	1	06/20/2022 12:01	OM
Surr: 4-Bromofluorobenzene	102	75-118		%REC	338343	1	06/20/2022 12:01	OM
Surr: 4-Bromofluorobenzene	106	75-118		%REC	338343	1	06/20/2022 12:01	OM
Surr: Dibromofluoromethane	107	82.5-121		%REC	338343	1	06/20/2022 12:01	OM
Surr: Dibromofluoromethane	107	82.5-121		%REC	338343	1	06/20/2022 12:01	OM
Surr: Toluene-d8	102	78.3-118		%REC	338343	1	06/20/2022 12:01	OM
Surr: Toluene-d8	104	78.3-118		%REC	338343	1	06/20/2022 12:01	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

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Atlantic Coast Consulting, Inc.

AES Work Order Number: 2206E71

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 type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
5. Custody seals intact on shipping container?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
6. Temperature blanks present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
10. Sampler name and/or signature on COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
11. Were all samples received within holding time?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
12. TAT marked on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	

13. Cooler 1 Temperature 2.7 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). HM 6/13/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
26. 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"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). HM 6/13/22

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
29. Containers meet preservation guidelines?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
30. 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 28-30 (dated initials). HM 6/13/22

Locked

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338016

Sample ID: MB-338016	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488737							
SampleType: MBLK	TestCode: METALS, TOTAL SW6010D	BatchID: 338016	Analysis Date: 06/15/2022	Seq No: 11378753							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	BRL	0.0500									
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-338016	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488737							
SampleType: LCS	TestCode: METALS, TOTAL SW6010D	BatchID: 338016	Analysis Date: 06/15/2022	Seq No: 11378754							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.9738	0.0500	1.000		97.4	80	120				
Barium	1.024	0.0200	1.000		102	80	120				
Cadmium	1.015	0.0050	1.000		102	80	120				
Chromium	1.0000	0.0100	1.000		100.0	80	120				
Lead	0.9679	0.0100	1.000		96.8	80	120				
Nickel	1.007	0.0200	1.000		101	80	120				
Selenium	1.006	0.0200	1.000		101	80	120				
Silver	0.1020	0.0100	0.1000	0.002410	99.6	80	120				
Zinc	1.006	0.0200	1.000		101	80	120				

Sample ID: 2206E71-001AMS	Client ID: SWC-5	Units: mg/L	Prep Date: 06/15/2022	Run No: 488737							
SampleType: MS	TestCode: METALS, TOTAL SW6010D	BatchID: 338016	Analysis Date: 06/15/2022	Seq No: 11378759							
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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338016

Sample ID: 2206E71-001AMS	Client ID: SWC-5	Units: mg/L	Prep Date: 06/15/2022	Run No: 488737							
SampleType: MS	TestCode: METALS, TOTAL SW6010D	BatchID: 338016	Analysis Date: 06/15/2022	Seq No: 11378759							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.9282	0.0500	1.000		92.8	75	125				
Barium	1.007	0.0200	1.000	0.04417	96.3	75	125				
Cadmium	0.9670	0.0050	1.000		96.7	75	125				
Chromium	0.9463	0.0100	1.000		94.6	75	125				
Lead	0.9067	0.0100	1.000		90.7	75	125				
Nickel	0.9322	0.0200	1.000	0.005340	92.7	75	125				
Selenium	0.9607	0.0200	1.000		96.1	75	125				
Silver	0.09691	0.0100	0.1000	0.002400	94.5	75	125				
Zinc	0.9580	0.0200	1.000		95.8	75	125				

Sample ID: 2206E71-001AMSD	Client ID: SWC-5	Units: mg/L	Prep Date: 06/15/2022	Run No: 488737							
SampleType: MSD	TestCode: METALS, TOTAL SW6010D	BatchID: 338016	Analysis Date: 06/15/2022	Seq No: 11378763							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.9565	0.0500	1.000		95.7	75	125	0.9282	3.00	20	
Barium	1.028	0.0200	1.000	0.04417	98.4	75	125	1.007	2.07	20	
Cadmium	0.9898	0.0050	1.000		99.0	75	125	0.9670	2.34	20	
Chromium	0.9670	0.0100	1.000		96.7	75	125	0.9463	2.16	20	
Lead	0.9303	0.0100	1.000		93.0	75	125	0.9067	2.57	20	
Nickel	0.9669	0.0200	1.000	0.005340	96.2	75	125	0.9322	3.65	20	
Selenium	0.9898	0.0200	1.000		99.0	75	125	0.9607	2.98	20	
Silver	0.09882	0.0100	0.1000	0.002400	96.4	75	125	0.09691	1.95	20	
Zinc	0.9691	0.0200	1.000		96.9	75	125	0.9580	1.16	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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338122

Sample ID: MB-338122	Client ID:	Units: mg/L	Prep Date: 06/16/2022	Run No: 488759							
SampleType: MBLK	TestCode: Mercury, Total SW7470A	BatchID: 338122	Analysis Date: 06/16/2022	Seq No: 11381601							
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-338122	Client ID:	Units: mg/L	Prep Date: 06/16/2022	Run No: 488759							
SampleType: LCS	TestCode: Mercury, Total SW7470A	BatchID: 338122	Analysis Date: 06/16/2022	Seq No: 11381602							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004269 0.00020 0.0040 107 80 120

Sample ID: 2206E71-001AMS	Client ID: SWC-5	Units: mg/L	Prep Date: 06/16/2022	Run No: 488759							
SampleType: MS	TestCode: Mercury, Total SW7470A	BatchID: 338122	Analysis Date: 06/16/2022	Seq No: 11381604							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004385 0.00020 0.0040 110 75 125

Sample ID: 2206E71-001AMSD	Client ID: SWC-5	Units: mg/L	Prep Date: 06/16/2022	Run No: 488759							
SampleType: MSD	TestCode: Mercury, Total SW7470A	BatchID: 338122	Analysis Date: 06/16/2022	Seq No: 11381605							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004185 0.00020 0.0040 105 75 125 0.004385 4.67 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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338209

Sample ID: MB-338209	Client ID:	Units: mg/L	Prep Date: 06/17/2022	Run No: 488957							
SampleType: MBLK	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 338209	Analysis Date: 06/17/2022	Seq No: 11385379							
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-338209	Client ID:	Units: mg/L	Prep Date: 06/17/2022	Run No: 488957							
SampleType: LCS	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 338209	Analysis Date: 06/17/2022	Seq No: 11385380							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.08600 0.010 0.1000 86.0 85 115

Sample ID: 2206D29-001BMS	Client ID:	Units: mg/L	Prep Date: 06/17/2022	Run No: 488957							
SampleType: MS	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 338209	Analysis Date: 06/17/2022	Seq No: 11385382							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.1100 0.010 0.1000 0.009000 101 90 110

Sample ID: 2206E71-002DMS	Client ID: SWC-1	Units: mg/L	Prep Date: 06/17/2022	Run No: 488957							
SampleType: MS	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 338209	Analysis Date: 06/18/2022	Seq No: 11386087							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.07700 0.010 0.1000 0.006000 71.0 90 110 S

Sample ID: 2206D29-001BMSD	Client ID:	Units: mg/L	Prep Date: 06/17/2022	Run No: 488957							
SampleType: MSD	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 338209	Analysis Date: 06/17/2022	Seq No: 11385383							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.1020 0.010 0.1000 0.009000 93.0 90 110 0.1100 7.55 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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338272

Sample ID: MB-338272	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488717							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/16/2022	Seq No: 11386369							
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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338272

Sample ID: MB-338272	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488717							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/16/2022	Seq No: 11386369							
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	50.86	0	50.00		102	75	118				
Surr: Dibromofluoromethane	49.29	0	50.00		98.6	82.5	121				
Surr: Toluene-d8	47.92	0	50.00		95.8	78.3	118				

Sample ID: LCS-338272	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488717							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/16/2022	Seq No: 11386370							
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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338272

Sample ID: LCS-338272	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488717							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/16/2022	Seq No: 11386370							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	53.31	5.0	50.00		107	71	130				
Benzene	51.87	5.0	50.00		104	80.4	126				
Chlorobenzene	52.11	5.0	50.00		104	81	120				
Toluene	52.23	5.0	50.00		104	79.2	124				
Trichloroethene	54.65	5.0	50.00		109	78.4	125				
Surr: 4-Bromofluorobenzene	53.68	0	50.00		107	75	118				
Surr: Dibromofluoromethane	49.77	0	50.00		99.5	82.5	121				
Surr: Toluene-d8	49.05	0	50.00		98.1	78.3	118				

Sample ID: 2206E42-007AMS	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 489040							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/19/2022	Seq No: 11387913							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	17.92	5.0	20.00		89.6	67.6	143				
Benzene	20.08	5.0	20.00		100	70.5	136				
Chlorobenzene	20.28	5.0	20.00		101	77.1	133				
Toluene	20.51	5.0	20.00		103	66.4	140				
Trichloroethene	20.85	5.0	20.00		104	75.1	140				
Surr: 4-Bromofluorobenzene	50.76	0	50.00		102	75	118				
Surr: Dibromofluoromethane	47.56	0	50.00		95.1	82.5	121				
Surr: Toluene-d8	50.75	0	50.00		102	78.3	118				

Sample ID: 2206E42-007AMSD	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 489040							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/19/2022	Seq No: 11387914							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	16.64	5.0	20.00		83.2	67.6	143	17.92	7.41	19.6	
Benzene	18.91	5.0	20.00		94.6	70.5	136	20.08	6.00	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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338272

Sample ID: 2206E42-007AMSD	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 489040
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 338272	Analysis Date: 06/19/2022	Seq No: 11387914

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	19.16	5.0	20.00		95.8	77.1	133	20.28	5.68	20	
Toluene	19.57	5.0	20.00		97.8	66.4	140	20.51	4.69	20	
Trichloroethene	19.46	5.0	20.00		97.3	75.1	140	20.85	6.90	20	
Surr: 4-Bromofluorobenzene	51.41	0	50.00		103	75	118	50.76	0	0	
Surr: Dibromofluoromethane	46.83	0	50.00		93.7	82.5	121	47.56	0	0	
Surr: Toluene-d8	49.87	0	50.00		99.7	78.3	118	50.75	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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: MB-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11388305							
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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: MB-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11388305							
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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: MB-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11388305							
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	51.06	0	50.00		102	75	118				
Surr: Dibromofluoromethane	50.68	0	50.00		101	82.5	121				
Surr: Toluene-d8	50.85	0	50.00		102	78.3	118				

Sample ID: MB-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11388363							
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	49.13	0	50.00		98.3	75	118				
Surr: Dibromofluoromethane	50.70	0	50.00		101	82.5	121				
Surr: Toluene-d8	50.01	0	50.00		100	78.3	118				

Sample ID: LCS-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11388308							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	19.71	2.0	20.00		98.6	71	130				
Benzene	19.53	1.0	20.00		97.6	80.4	126				
Chlorobenzene	18.50	1.0	20.00		92.5	81	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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: LCS-338343	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/20/2022	Seq No: 11388308							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Toluene	19.06	1.0	20.00		95.3	79.2	124				
Trichloroethene	18.36	1.0	20.00		91.8	78.4	125				
Surr: 4-Bromofluorobenzene	51.79	0	50.00		104	75	118				
Surr: Dibromofluoromethane	51.01	0	50.00		102	82.5	121				
Surr: Toluene-d8	51.92	0	50.00		104	78.3	118				

Sample ID: 2206H02-019AMS	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11397436							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	16.75	2.0	20.00		83.8	67.6	143				
Benzene	16.48	1.0	20.00		82.4	70.5	136				
Chlorobenzene	14.74	1.0	20.00		73.7	77.1	133				S
Toluene	16.00	1.0	20.00		80.0	66.4	140				
Trichloroethene	15.35	1.0	20.00		76.8	75.1	140				
Surr: 4-Bromofluorobenzene	52.72	0	50.00		105	75	118				
Surr: Dibromofluoromethane	51.07	0	50.00		102	82.5	121				
Surr: Toluene-d8	52.66	0	50.00		105	78.3	118				

Sample ID: 2206H02-017ADUP	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11397435							
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	

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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: 2206H02-017ADUP	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11397435

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	2.0						0	0	30	
1,1-Dichloropropene	BRL	1.0						0	0	30	
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	
Acetonitrile	BRL	100						0	0	30	
Acrolein	BRL	20						0	0	30	
Acrylonitrile	BRL	5.0						0	0	30	
Allyl Chloride	BRL	10						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	

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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: 2206H02-017ADUP	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11397435

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
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	
Chloromethane	BRL	1.0						0	0	30	
Chloroprene	BRL	20						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	
Ethyl Methacrylate	BRL	10						0	0	30	
Ethylbenzene	BRL	1.0						0	0	30	
Iodomethane	BRL	2.0						0	0	30	
Isobutyl Alcohol	BRL	200						0	0	30	
Methyl Methacrylate	BRL	10						0	0	30	
Methylacrylonitrile	BRL	200						0	0	30	
Methylene chloride	BRL	5.0						0	0	30	
Naphthalene	BRL	5.0						0	0	30	
Propionitrile	BRL	100						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	

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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: 338343

Sample ID: 2206H02-017ADUP	Client ID:	Units: ug/L	Prep Date: 06/20/2022	Run No: 489065							
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338343	Analysis Date: 06/21/2022	Seq No: 11397435							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

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	50.91	0	50.00		102	75	118	51.25	0	0	
Surr: Dibromofluoromethane	50.59	0	50.00		101	82.5	121	49.60	0	0	
Surr: Toluene-d8	52.69	0	50.00		105	78.3	118	51.60	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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: R488490

Sample ID: MB-R488490	Client ID:	Units: mg/L	Prep Date:	Run No: 488490							
SampleType: MBLK	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R488490	Analysis Date: 06/14/2022	Seq No: 11369119							
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-R488490	Client ID:	Units: mg/L	Prep Date:	Run No: 488490							
SampleType: LCS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R488490	Analysis Date: 06/14/2022	Seq No: 11369120							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 505.3 10.0 500.0 101 90 110

Sample ID: 2206D12-001BMS	Client ID:	Units: mg/L	Prep Date:	Run No: 488490							
SampleType: MS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R488490	Analysis Date: 06/14/2022	Seq No: 11369122							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 424.2 12.5 375.0 42.16 102 90 110

Sample ID: 2206E71-001BMS	Client ID: SWC-5	Units: mg/L	Prep Date:	Run No: 488490							
SampleType: MS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R488490	Analysis Date: 06/14/2022	Seq No: 11369135							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 389.7 12.5 375.0 12.20 101 90 110

Sample ID: 2206D12-001BMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 488490							
SampleType: MSD	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R488490	Analysis Date: 06/14/2022	Seq No: 11369123							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 421.4 12.5 375.0 42.16 101 90 110 424.2 0.681 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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: R488586

Sample ID: MB-R488586	Client ID:	Units: mg/L	Prep Date:	Run No: 488586							
SampleType: MBLK	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R488586	Analysis Date: 06/14/2022	Seq No: 11372691							
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-R488586	Client ID:	Units: mg/L	Prep Date:	Run No: 488586							
SampleType: LCS	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R488586	Analysis Date: 06/14/2022	Seq No: 11372688							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

24.01 1.00 25.00 96.0 85 115

Sample ID: 2206A82-010CMS	Client ID:	Units: mg/L	Prep Date:	Run No: 488586							
SampleType: MS	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R488586	Analysis Date: 06/14/2022	Seq No: 11372695							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

24.79 1.00 25.00 99.2 85 115

Sample ID: 2206A82-010CMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 488586							
SampleType: MSD	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R488586	Analysis Date: 06/14/2022	Seq No: 11372696							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

24.68 1.00 25.00 98.7 85 115 24.79 0.445 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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: R488753

Sample ID: MB-R488753	Client ID:	Units: mg/L	Prep Date:	Run No: 488753							
SampleType: MBLK	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R488753	Analysis Date: 06/15/2022	Seq No: 11378122							
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-R488753	Client ID:	Units: mg/L	Prep Date:	Run No: 488753							
SampleType: LCS	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R488753	Analysis Date: 06/15/2022	Seq No: 11378116							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

23.86 1.00 25.00 95.4 85 115

Sample ID: 2206D12-004BMS	Client ID:	Units: mg/L	Prep Date:	Run No: 488753							
SampleType: MS	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R488753	Analysis Date: 06/15/2022	Seq No: 11378131							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

24.61 1.00 25.00 0.4935 96.5 85 115

Sample ID: 2206D12-004BMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 488753							
SampleType: MSD	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R488753	Analysis Date: 06/15/2022	Seq No: 11378138							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

24.61 1.00 25.00 0.4935 96.5 85 115 24.61 0 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: 2206E71

ANALYTICAL QC SUMMARY REPORT

BatchID: R489294

Sample ID: MB-R489294	Client ID:	Units: mg/L	Prep Date:	Run No: 489294							
SampleType: MBLK	TestCode: Inorganic Anions by IC E300.0	BatchID: R489294	Analysis Date: 06/21/2022	Seq No: 11395542							
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-R489294	Client ID:	Units: mg/L	Prep Date:	Run No: 489294							
SampleType: LCS	TestCode: Inorganic Anions by IC E300.0	BatchID: R489294	Analysis Date: 06/21/2022	Seq No: 11395541							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 10.26 1.00 10.00 103 90 110

Sample ID: 2206E71-002EMS	Client ID: SWC-1	Units: mg/L	Prep Date:	Run No: 489294							
SampleType: MS	TestCode: Inorganic Anions by IC E300.0	BatchID: R489294	Analysis Date: 06/22/2022	Seq No: 11395560							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 16.39 1.00 10.00 6.816 95.8 90 110

Sample ID: 2206E71-004DMS	Client ID: SWA-2	Units: mg/L	Prep Date:	Run No: 489294							
SampleType: MS	TestCode: Inorganic Anions by IC E300.0	BatchID: R489294	Analysis Date: 06/22/2022	Seq No: 11395564							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 11.70 1.00 10.00 2.134 95.7 90 110

Sample ID: 2206E71-002EMSD	Client ID: SWC-1	Units: mg/L	Prep Date:	Run No: 489294							
SampleType: MSD	TestCode: Inorganic Anions by IC E300.0	BatchID: R489294	Analysis Date: 06/22/2022	Seq No: 11395561							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 16.36 1.00 10.00 6.816 95.5 90 110 16.39 0.182 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

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 08, 2022

Charles Adams
Atlantic Coast Consulting, Inc.

1150 Northmeadow Pkwy
Roswell GA 30076

RE: Forsyth County-Hightower Road MSWLF

Dear Charles Adams:

Order No: 2206E72

Analytical Environmental Services, Inc. received 12 samples on 6/10/2022 3:15:00 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 AES established limits.

AES’s 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 07/01/22-06/30/23.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/23 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-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 11/01/23.

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

COMPANY: Atlantic Coast Consulting, Inc.		ADDRESS: 1150 Northmeadow Pkwy Suite 100 Roswell, GA 30076				ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers																																		
PHONE: 770-712-9785 or 770-594-5998		EMAIL: charles.adams@atlcc.net				<table border="1"> <tr> <th>App II VOC</th> <th>EDB/DBCP</th> <th>Appendix II Metals</th> <th>App II BNA/Pest/PCB/Herb</th> <th>Cyanide</th> <th>Sulfide</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>												App II VOC	EDB/DBCP	Appendix II Metals	App II BNA/Pest/PCB/Herb	Cyanide	Sulfide																												
App II VOC	EDB/DBCP	Appendix II Metals	App II BNA/Pest/PCB/Herb	Cyanide	Sulfide																																														
SAMPLED BY: <i>H. Auld, Eric Stamm</i>		SIGNATURE: <i>H. Auld</i>				PRESERVATION (see codes)										REMARKS																																			
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	H+I	H+I	N	I	NaOH	ZnAc																																							
		DATE	TIME																																																
1	PHI-GWC-2	6-8-22	1230	✓		W	✓	✓	✓	✓	✓								15																																
2	PHI-GWA-1	6-8-22	1500	✓		W	✓	✓	✓	✓	✓								14																																
3	PHI-GWA-1	6-9-22	0925	✓		W			✓										1																																
4	PHI-GWA-1 GWC-14R	6-9-22	1055	✓		W	✓	✓	✓	✓	✓								15																																
5	GWC-14A	6-9-22	1105	✓		W	✓	✓	✓	✓	✓								14																																
6	AMW-1	6-9-22	1300	✓		W	✓	✓	✓	✓	✓								15																																
7	GWC-8R	6-9-22	1445	✓		W	✓	✓	✓	✓	✓								15																																
8	GWC-8A	6-9-22	1435	✓		W	✓	✓	✓	✓	✓								15																																
9	AMW-2	6-9-22	1620	✓		W	✓	✓	✓	✓	✓								14																																
10	GWC-8A	6-10-22	1000	✓		W			✓										1																																
11	GWC-14A	6-10-22	1500	✓		W			✓										1																																
12																																																			
13																																																			
14																																																			

RELINQUISHED BY: <i>H. Auld</i> 6-10-22/1515		DATE/TIME:		RECEIVED BY: <i>D. Campbell</i> 6/10/22 15:15		DATE/TIME:		PROJECT INFORMATION										RECEIPT	
1.				1.				PROJECT NAME: Forsyth County - Hightower Road MSWLF										Total # of Containers	
2.				2.				PROJECT #: G020-113										Turnaround Time (TAT) Request	
3.				3.				SITE ADDRESS: 9480 Old Federal Road, Ballground, GA 30107										<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 2 Business Day Rush <input type="checkbox"/> Next Business Day Rush <input type="checkbox"/> Same-Day Rush (auth req.) <input type="checkbox"/> Other _____	
SPECIAL INSTRUCTIONS/COMMENTS: * AMW-1 sampled in place of GWC-15 * AMW-2 sampled in place of GWC-16A <i>HA</i>				SHIPMENT METHOD				SEND REPORT TO: Charles Adams, Betsy McDaniel										STATE PROGRAM (if any): _____	
				OUT: / / VIA: IN: / / VIA: Client FedEx UPS US mail courier other: _____				INVOICE TO (IF DIFFERENT FROM ABOVE):										E-mail? <input type="checkbox"/> Fax? <input type="checkbox"/>	
								QUOTE #: _____ PO#: _____										DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>	

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

Client: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72

Case Narrative

Sample Receiving Nonconformance:

Sample information on the Chain of Custody (COC) did not match that on all of the sample bottle labels for samples 2206E72-006 and 2206E72-009. The sample ID was listed as "AMW-1" on the COC for sample 2206E72-006, yet the sample ID was listed as "GWC-15" on the sample bottle labels. Similarly, the sample ID was listed as "AMW-2" on the COC for sample 2206E72-009, yet the sample ID was listed as "GWC-16A" on the sample bottle labels. Samples were logged in using the information on the COC and were matched to the COC using the collection dates and times.

A Trip Blank was provided but not listed on the Chain of Custody. Trip Blank analyzed at unit cost.

EDB/DBCP Analysis by Method 8011:

LCSD-338116 recovery for 1,2-Dibromo-3-chloropropane was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

PCB Analysis by Method 8082:

Due to sample matrix, sample 2206E72-005C required dilution during preparation and /or analysis resulting in elevated reporting limits.

Pesticide Analysis by Method 8081B:

Due to sample matrix, sample 2206E72-005C required dilution during preparation and /or analysis resulting in elevated reporting limits.

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 12:30:00 PM
Lab ID: 2206E72-001	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	338346	1	06/17/2022 17:29	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
1,1-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
1,3-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
1,3-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
2,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
2-Butanone	BRL	100		ug/L	338346	1	06/17/2022 17:29	CM
2-Hexanone	BRL	50		ug/L	338346	1	06/17/2022 17:29	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338346	1	06/17/2022 17:29	CM
Acetone	BRL	100		ug/L	338346	1	06/17/2022 17:29	CM
Acetonitrile	BRL	200		ug/L	338346	1	06/17/2022 17:29	CM
Acrolein	BRL	50		ug/L	338346	1	06/17/2022 17:29	CM
Acrylonitrile	BRL	50		ug/L	338346	1	06/17/2022 17:29	CM
Allyl Chloride	BRL	100		ug/L	338346	1	06/17/2022 17:29	CM
Benzene	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
Bromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Bromodichloromethane	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Bromoform	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Bromomethane	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Carbon disulfide	BRL	5.0		ug/L	338346	1	06/17/2022 17:29	CM
Carbon tetrachloride	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
Chlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Chloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
Chloroform	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
Chloromethane	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Chloroprene	BRL	20		ug/L	338346	1	06/17/2022 17:29	CM
cis-1,2-Dichloroethene	5.6	2.0		ug/L	338346	1	06/17/2022 17:29	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
Dibromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Dibromomethane	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Dichlorodifluoromethane	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Ethyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Ethylbenzene	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
Iodomethane	BRL	100		ug/L	338346	1	06/17/2022 17:29	CM
Isobutyl Alcohol	BRL	200		ug/L	338346	1	06/17/2022 17:29	CM

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: 6/8/2022 12:30:00 PM
Lab ID: 2206E72-001	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Methyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Methylacrylonitrile	BRL	200		ug/L	338346	1	06/17/2022 17:29	CM
Methylene chloride	BRL	5.0		ug/L	338346	1	06/17/2022 17:29	CM
Naphthalene	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Propionitrile	BRL	100		ug/L	338346	1	06/17/2022 17:29	CM
Styrene	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Tetrachloroethene	3.4	2.0		ug/L	338346	1	06/17/2022 17:29	CM
Toluene	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338346	1	06/17/2022 17:29	CM
Trichloroethene	2.1	2.0		ug/L	338346	1	06/17/2022 17:29	CM
Trichlorofluoromethane	BRL	10		ug/L	338346	1	06/17/2022 17:29	CM
Vinyl acetate	BRL	100		ug/L	338346	1	06/17/2022 17:29	CM
Vinyl chloride	BRL	2.0		ug/L	338346	1	06/17/2022 17:29	CM
Xylenes, Total	BRL	5.0		ug/L	338346	1	06/17/2022 17:29	CM
Surr: 4-Bromofluorobenzene	87.8	75-118		%REC	338346	1	06/17/2022 17:29	CM
Surr: 4-Bromofluorobenzene	93.1	75-118		%REC	338346	1	06/17/2022 17:29	CM
Surr: Dibromofluoromethane	95.8	82.5-121		%REC	338346	1	06/17/2022 17:29	CM
Surr: Dibromofluoromethane	110	82.5-121		%REC	338346	1	06/17/2022 17:29	CM
Surr: Toluene-d8	96.7	78.3-118		%REC	338346	1	06/17/2022 17:29	CM
Surr: Toluene-d8	105	78.3-118		%REC	338346	1	06/17/2022 17:29	CM
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	337876	1	06/14/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	3.7		ug/L	337800	1	06/15/2022 18:52	YH
1,3,5-Trinitrobenzene	BRL	1.5		ug/L	337800	1	06/15/2022 18:52	YH
1,3-Dinitrobenzene	BRL	7.5		ug/L	337800	1	06/15/2022 18:52	YH
1,4-Napthoquinone	BRL	7.2		ug/L	337800	1	06/15/2022 18:52	YH
1-Naphthylamine	BRL	5.2		ug/L	337800	1	06/15/2022 18:52	YH
2,3,4,6-Tetrachlorophenol	BRL	4.0		ug/L	337800	1	06/15/2022 18:52	YH
2,4,5-Trichlorophenol	BRL	3.9		ug/L	337800	1	06/15/2022 18:52	YH
2,4,6-Trichlorophenol	BRL	3.4		ug/L	337800	1	06/15/2022 18:52	YH
2,4-Dichlorophenol	BRL	3.6		ug/L	337800	1	06/15/2022 18:52	YH
2,4-Dimethylphenol	BRL	3.8		ug/L	337800	1	06/15/2022 18:52	YH
2,4-Dinitrophenol	BRL	8.8		ug/L	337800	1	06/15/2022 18:52	YH
2,4-Dinitrotoluene	BRL	6.0		ug/L	337800	1	06/15/2022 18:52	YH
2,6-Dichlorophenol	BRL	5.9		ug/L	337800	1	06/15/2022 18:52	YH
2,6-Dinitrotoluene	BRL	5.3		ug/L	337800	1	06/15/2022 18:52	YH
2-Acetylaminofluorene	BRL	11		ug/L	337800	1	06/15/2022 18:52	YH
2-Chloronaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 18:52	YH
2-Chlorophenol	BRL	2.0		ug/L	337800	1	06/15/2022 18:52	YH
2-Methylnaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 18:52	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-001

Client Sample ID: PH1-GWC-2
Collection Date: 6/8/2022 12:30:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Methylphenol	BRL	3.1		ug/L	337800	1	06/15/2022 18:52	YH
2-Naphthylamine	BRL	4.3		ug/L	337800	1	06/15/2022 18:52	YH
2-Nitroaniline	BRL	3.6		ug/L	337800	1	06/15/2022 18:52	YH
2-Nitrophenol	BRL	2.5		ug/L	337800	1	06/15/2022 18:52	YH
3,3'-Dichlorobenzidine	BRL	3.7		ug/L	337800	1	06/15/2022 18:52	YH
3,3'-Dimethoxybenzidine	BRL	10	N	ug/L	337800	1	06/15/2022 18:52	YH
3,3'-Dimethylbenzidine	BRL	9.3		ug/L	337800	1	06/15/2022 18:52	YH
3,4-Methylphenol	BRL	3.3		ug/L	337800	1	06/15/2022 18:52	YH
3-Methylcholanthrene	BRL	8.1		ug/L	337800	1	06/15/2022 18:52	YH
3-Nitroaniline	BRL	4.3		ug/L	337800	1	06/15/2022 18:52	YH
4,6-Dinitro-2-methylphenol	BRL	14		ug/L	337800	1	06/15/2022 18:52	YH
4-Aminobiphenyl	BRL	4.8		ug/L	337800	1	06/15/2022 18:52	YH
4-Bromophenyl phenyl ether	BRL	3.9		ug/L	337800	1	06/15/2022 18:52	YH
4-Chloro-3-methylphenol	BRL	4.0		ug/L	337800	1	06/15/2022 18:52	YH
4-Chloroaniline	BRL	4.9		ug/L	337800	1	06/15/2022 18:52	YH
4-Chlorophenyl phenyl ether	BRL	3.0		ug/L	337800	1	06/15/2022 18:52	YH
4-Nitroaniline	BRL	5.1		ug/L	337800	1	06/15/2022 18:52	YH
4-Nitrophenol	BRL	5.8		ug/L	337800	1	06/15/2022 18:52	YH
5-Nitro-o-toluidine	BRL	4.9		ug/L	337800	1	06/15/2022 18:52	YH
7,12-Dimethylbenz(a)anthracene	BRL	7.0		ug/L	337800	1	06/15/2022 18:52	YH
Acenaphthene	BRL	2.5		ug/L	337800	1	06/15/2022 18:52	YH
Acenaphthylene	BRL	2.7		ug/L	337800	1	06/15/2022 18:52	YH
Acetophenone	BRL	4.0		ug/L	337800	1	06/15/2022 18:52	YH
Anthracene	BRL	2.9		ug/L	337800	1	06/15/2022 18:52	YH
Benz(a)anthracene	BRL	2.8		ug/L	337800	1	06/15/2022 18:52	YH
Benzo(b)fluoranthene	BRL	3.8		ug/L	337800	1	06/15/2022 18:52	YH
Benzo(g,h,i)perylene	BRL	4.2		ug/L	337800	1	06/15/2022 18:52	YH
Benzo(k)fluoranthene	BRL	3.6		ug/L	337800	1	06/15/2022 18:52	YH
Benzyl alcohol	BRL	3.8		ug/L	337800	1	06/15/2022 18:52	YH
Bis(2-chloroethoxy)methane	BRL	2.6		ug/L	337800	1	06/15/2022 18:52	YH
Bis(2-chloroethyl)ether	BRL	2.4		ug/L	337800	1	06/15/2022 18:52	YH
Bis(2-chloroisopropyl)ether	BRL	3.0		ug/L	337800	1	06/15/2022 18:52	YH
Bis(2-ethylhexyl)phthalate	BRL	4.4		ug/L	337800	1	06/15/2022 18:52	YH
Butyl benzyl phthalate	BRL	3.4		ug/L	337800	1	06/15/2022 18:52	YH
Chlorobenzilate	BRL	5.8		ug/L	337800	1	06/15/2022 18:52	YH
Chrysene	BRL	2.7		ug/L	337800	1	06/15/2022 18:52	YH
Di-n-butyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 18:52	YH
Di-n-octyl phthalate	BRL	9.3		ug/L	337800	1	06/15/2022 18:52	YH
Diallate	BRL	5.1		ug/L	337800	1	06/15/2022 18:52	YH
Dibenz(a,h)anthracene	BRL	4.5		ug/L	337800	1	06/15/2022 18:52	YH
Dibenzofuran	BRL	2.7		ug/L	337800	1	06/15/2022 18:52	YH
Diethyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 18:52	YH
Dimethoate	BRL	5.8		ug/L	337800	1	06/15/2022 18:52	YH
Dimethyl phthalate	BRL	2.8		ug/L	337800	1	06/15/2022 18:52	YH
Dimethylaminoazobenzene	BRL	3.5	N	ug/L	337800	1	06/15/2022 18:52	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-001

Client Sample ID: PH1-GWC-2
Collection Date: 6/8/2022 12:30:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Disulfoton	BRL	5.7		ug/L	337800	1	06/15/2022 18:52	YH
Ethyl methanesulfonate	BRL	4.4		ug/L	337800	1	06/15/2022 18:52	YH
Famphur	BRL	3.4		ug/L	337800	1	06/15/2022 18:52	YH
Fluoranthene	BRL	3.0		ug/L	337800	1	06/15/2022 18:52	YH
Fluorene	BRL	2.7		ug/L	337800	1	06/15/2022 18:52	YH
Hexachlorobutadiene	BRL	4.2		ug/L	337800	1	06/15/2022 18:52	YH
Hexachlorocyclopentadiene	BRL	8.4		ug/L	337800	1	06/15/2022 18:52	YH
Hexachloroethane	BRL	3.1		ug/L	337800	1	06/15/2022 18:52	YH
Hexachloropropene	BRL	7.4		ug/L	337800	1	06/15/2022 18:52	YH
Indeno(1,2,3-cd)pyrene	BRL	4.2		ug/L	337800	1	06/15/2022 18:52	YH
Isodrin	BRL	5.4		ug/L	337800	1	06/15/2022 18:52	YH
Isophorone	BRL	3.5		ug/L	337800	1	06/15/2022 18:52	YH
Isosafrole	BRL	6.5		ug/L	337800	1	06/15/2022 18:52	YH
Kepone	BRL	5.4		ug/L	337800	1	06/15/2022 18:52	YH
Methapyrilene	BRL	8.0		ug/L	337800	1	06/15/2022 18:52	YH
Methyl methanesulfonate	BRL	5.5		ug/L	337800	1	06/15/2022 18:52	YH
Methyl parathion	BRL	4.4		ug/L	337800	1	06/15/2022 18:52	YH
N-Nitrosodi-n-butylamine	BRL	3.5		ug/L	337800	1	06/15/2022 18:52	YH
N-Nitrosodi-n-propylamine	BRL	2.5		ug/L	337800	1	06/15/2022 18:52	YH
N-Nitrosodiethylamine	BRL	2.7		ug/L	337800	1	06/15/2022 18:52	YH
N-Nitrosodimethylamine	BRL	4.0		ug/L	337800	1	06/15/2022 18:52	YH
N-Nitrosodiphenylamine	BRL	2.4		ug/L	337800	1	06/15/2022 18:52	YH
N-Nitrosomethylethylamine	BRL	1.5		ug/L	337800	1	06/15/2022 18:52	YH
N-Nitrosopiperidine	BRL	2.3		ug/L	337800	1	06/15/2022 18:52	YH
N-Nitrosopyrrolidine	BRL	2.9		ug/L	337800	1	06/15/2022 18:52	YH
Nitrobenzene	BRL	2.5		ug/L	337800	1	06/15/2022 18:52	YH
O,O,O-Triethyl phosphorothioate	BRL	3.3		ug/L	337800	1	06/15/2022 18:52	YH
o-Toluidine	BRL	7.5		ug/L	337800	1	06/15/2022 18:52	YH
p-Phenylenediamine	BRL	5.7		ug/L	337800	1	06/15/2022 18:52	YH
Parathion	BRL	4.4		ug/L	337800	1	06/15/2022 18:52	YH
Pentachlorobenzene	BRL	3.8		ug/L	337800	1	06/15/2022 18:52	YH
Pentachloronitrobenzene	BRL	5.6		ug/L	337800	1	06/15/2022 18:52	YH
Phenacetin	BRL	6.0		ug/L	337800	1	06/15/2022 18:52	YH
Phenanthrene	BRL	2.9		ug/L	337800	1	06/15/2022 18:52	YH
Phenol	BRL	2.9		ug/L	337800	1	06/15/2022 18:52	YH
Phorate	BRL	3.5		ug/L	337800	1	06/15/2022 18:52	YH
Pronamide	BRL	7.0		ug/L	337800	1	06/15/2022 18:52	YH
Pyrene	BRL	2.9		ug/L	337800	1	06/15/2022 18:52	YH
Safrole	BRL	7.3		ug/L	337800	1	06/15/2022 18:52	YH
Thionazin	BRL	4.1		ug/L	337800	1	06/15/2022 18:52	YH
Surr: 2,4,6-Tribromophenol	102	46-135		%REC	337800	1	06/15/2022 18:52	YH
Surr: 2-Fluorobiphenyl	97.9	45-121		%REC	337800	1	06/15/2022 18:52	YH
Surr: 2-Fluorophenol	33.2	28.2-120		%REC	337800	1	06/15/2022 18:52	YH
Surr: 4-Terphenyl-d14	104	44-120		%REC	337800	1	06/15/2022 18:52	YH
Surr: Nitrobenzene-d5	79.4	41-123		%REC	337800	1	06/15/2022 18:52	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-001

Client Sample ID: PH1-GWC-2
Collection Date: 6/8/2022 12:30:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E					(SW3510C)			
Surr: Phenol-d5	21.6	19.5-120		%REC	337800	1	06/15/2022 18:52	YH
POLYCHLORINATED BIPHENYLS SW8082A					(SW3510C)			
Aroclor 1016	BRL	0.50		ug/L	338111	1	06/16/2022 21:26	ST
Aroclor 1221	BRL	0.50		ug/L	338111	1	06/16/2022 21:26	ST
Aroclor 1232	BRL	0.50		ug/L	338111	1	06/16/2022 21:26	ST
Aroclor 1242	BRL	0.50		ug/L	338111	1	06/16/2022 21:26	ST
Aroclor 1248	BRL	0.50		ug/L	338111	1	06/16/2022 21:26	ST
Aroclor 1254	BRL	0.50		ug/L	338111	1	06/16/2022 21:26	ST
Aroclor 1260	BRL	0.50		ug/L	338111	1	06/16/2022 21:26	ST
Surr: Decachlorobiphenyl	93.8	30-120		%REC	338111	1	06/16/2022 21:26	ST
Surr: Tetrachloro-m-xylene	85.4	46.5-120		%REC	338111	1	06/16/2022 21:26	ST
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011					(SW8011)			
1,2-Dibromo-3-chloropropane	BRL	0.040		ug/L	338116	1	06/16/2022 13:32	UH
1,2-Dibromoethane	BRL	0.020		ug/L	338116	1	06/16/2022 13:32	UH
Surr: 4-Bromofluorobenzene	110	69.7-138		%REC	338116	1	06/16/2022 13:32	UH
Mercury, Total SW7470A					(SW7470A)			
Mercury	BRL	0.00050		mg/L	338886	1	06/30/2022 16:29	GR
Cyanide SW9014					(SW9010C)			
Cyanide, Total	BRL	0.010		mg/L	338141	1	06/17/2022 19:17	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B					(SW3510C)			
4,4'-DDD	BRL	0.10		ug/L	338037	1	06/16/2022 21:26	ST
4,4'-DDE	BRL	0.10		ug/L	338037	1	06/16/2022 21:26	ST
4,4'-DDT	BRL	0.10		ug/L	338037	1	06/16/2022 21:26	ST
Aldrin	BRL	0.050		ug/L	338037	1	06/16/2022 21:26	ST
alpha-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 21:26	ST
beta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 21:26	ST
Chlordane	BRL	0.50		ug/L	338037	1	06/16/2022 21:26	ST
delta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 21:26	ST
Dieldrin	BRL	0.10		ug/L	338037	1	06/16/2022 21:26	ST
Endosulfan I	BRL	0.050		ug/L	338037	1	06/16/2022 21:26	ST
Endosulfan II	BRL	0.10		ug/L	338037	1	06/16/2022 21:26	ST
Endosulfan sulfate	BRL	0.10		ug/L	338037	1	06/16/2022 21:26	ST
Endrin	BRL	0.10		ug/L	338037	1	06/16/2022 21:26	ST
Endrin aldehyde	BRL	0.10		ug/L	338037	1	06/16/2022 21:26	ST
gamma-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 21:26	ST
Heptachlor	BRL	0.050		ug/L	338037	1	06/16/2022 21:26	ST
Heptachlor epoxide	BRL	0.050		ug/L	338037	1	06/16/2022 21:26	ST
Methoxychlor	BRL	0.50		ug/L	338037	1	06/16/2022 21:26	ST
Toxaphene	BRL	3.0		ug/L	338037	1	06/16/2022 21:26	ST
Surr: Decachlorobiphenyl	87.7	27-130		%REC	338037	1	06/16/2022 21:26	ST

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: 6/8/2022 12:30:00 PM
Lab ID: 2206E72-001	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B				(SW3510C)				
Surr: Tetrachloro-m-xylene	76.1	40.1-130		%REC	338037	1	06/16/2022 21:26	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	338002	1	06/16/2022 18:26	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	338002	1	06/16/2022 18:26	UH
2,4-D	BRL	2.0		ug/L	338002	1	06/16/2022 18:26	UH
Dinoseb	BRL	5.0		ug/L	338002	1	06/16/2022 18:26	UH
Pentachlorophenol	BRL	1.0		ug/L	338002	1	06/16/2022 18:26	UH
Surr: DCAA	70.7	47-120		%REC	338002	1	06/16/2022 18:26	UH
APPENDIX II METALS SW6020B				(SW3005A)				
Antimony	BRL	0.00600		mg/L	338047	1	06/16/2022 19:41	JM
Arsenic	BRL	0.0100		mg/L	338047	1	06/16/2022 19:41	JM
Barium	0.0209	0.0200		mg/L	338047	1	06/16/2022 19:41	JM
Beryllium	BRL	0.00300		mg/L	338047	1	06/16/2022 19:41	JM
Cadmium	BRL	0.00500		mg/L	338047	1	06/16/2022 19:41	JM
Chromium	0.0157	0.0100		mg/L	338047	1	06/16/2022 19:41	JM
Cobalt	BRL	0.0400		mg/L	338047	1	06/16/2022 19:41	JM
Copper	BRL	0.0200		mg/L	338047	1	06/16/2022 19:41	JM
Lead	BRL	0.0150		mg/L	338047	1	06/16/2022 19:41	JM
Nickel	BRL	0.0200		mg/L	338047	1	06/16/2022 19:41	JM
Selenium	BRL	0.0100		mg/L	338047	1	06/16/2022 19:41	JM
Silver	BRL	0.0100		mg/L	338047	1	06/16/2022 19:41	JM
Thallium	BRL	0.00200		mg/L	338047	1	06/16/2022 19:41	JM
Tin	BRL	0.0400		mg/L	338047	1	06/16/2022 19:41	JM
Vanadium	BRL	0.0200		mg/L	338047	1	06/16/2022 19:41	JM
Zinc	0.0459	0.0200		mg/L	338047	1	06/16/2022 19:41	JM

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

Analytical Environmental Services, Inc.

Date: 08-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-001

Client Sample ID: PH1-GWC-2
Collection Date: 6/8/2022 12:30:00 PM
Matrix: AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/24/2022 5:29 PM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/22/2022 3:16 PM
Surr: 4-Terphenyl-d14	88.2	65.5-137		%REC	338060	1	6/22/2022 3:16 PM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWA-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 3:00:00 PM
Lab ID: 2206E72-002	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	338346	1	06/17/2022 17:54	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
1,1-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
1,3-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
1,3-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
2,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
2-Butanone	BRL	100		ug/L	338346	1	06/17/2022 17:54	CM
2-Hexanone	BRL	50		ug/L	338346	1	06/17/2022 17:54	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338346	1	06/17/2022 17:54	CM
Acetone	BRL	100		ug/L	338346	1	06/17/2022 17:54	CM
Acetonitrile	BRL	200		ug/L	338346	1	06/17/2022 17:54	CM
Acrolein	BRL	50		ug/L	338346	1	06/17/2022 17:54	CM
Acrylonitrile	BRL	50		ug/L	338346	1	06/17/2022 17:54	CM
Allyl Chloride	BRL	100		ug/L	338346	1	06/17/2022 17:54	CM
Benzene	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
Bromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Bromodichloromethane	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Bromoform	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Bromomethane	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Carbon disulfide	BRL	5.0		ug/L	338346	1	06/17/2022 17:54	CM
Carbon tetrachloride	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
Chlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Chloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
Chloroform	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
Chloromethane	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Chloroprene	BRL	20		ug/L	338346	1	06/17/2022 17:54	CM
cis-1,2-Dichloroethene	2.3	2.0		ug/L	338346	1	06/17/2022 17:54	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
Dibromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Dibromomethane	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Dichlorodifluoromethane	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Ethyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Ethylbenzene	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
Iodomethane	BRL	100		ug/L	338346	1	06/17/2022 17:54	CM
Isobutyl Alcohol	BRL	200		ug/L	338346	1	06/17/2022 17:54	CM

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: 6/8/2022 3:00:00 PM
Lab ID: 2206E72-002	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Methyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Methylacrylonitrile	BRL	200		ug/L	338346	1	06/17/2022 17:54	CM
Methylene chloride	BRL	5.0		ug/L	338346	1	06/17/2022 17:54	CM
Naphthalene	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Propionitrile	BRL	100		ug/L	338346	1	06/17/2022 17:54	CM
Styrene	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Tetrachloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
Toluene	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338346	1	06/17/2022 17:54	CM
Trichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
Trichlorofluoromethane	BRL	10		ug/L	338346	1	06/17/2022 17:54	CM
Vinyl acetate	BRL	100		ug/L	338346	1	06/17/2022 17:54	CM
Vinyl chloride	BRL	2.0		ug/L	338346	1	06/17/2022 17:54	CM
Xylenes, Total	BRL	5.0		ug/L	338346	1	06/17/2022 17:54	CM
Surr: 4-Bromofluorobenzene	88.2	75-118		%REC	338346	1	06/17/2022 17:54	CM
Surr: 4-Bromofluorobenzene	93.5	75-118		%REC	338346	1	06/17/2022 17:54	CM
Surr: Dibromofluoromethane	95.5	82.5-121		%REC	338346	1	06/17/2022 17:54	CM
Surr: Dibromofluoromethane	110	82.5-121		%REC	338346	1	06/17/2022 17:54	CM
Surr: Toluene-d8	96.6	78.3-118		%REC	338346	1	06/17/2022 17:54	CM
Surr: Toluene-d8	105	78.3-118		%REC	338346	1	06/17/2022 17:54	CM
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	337876	1	06/14/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	3.7		ug/L	337800	1	06/15/2022 19:19	YH
1,3,5-Trinitrobenzene	BRL	1.5		ug/L	337800	1	06/15/2022 19:19	YH
1,3-Dinitrobenzene	BRL	7.5		ug/L	337800	1	06/15/2022 19:19	YH
1,4-Napthoquinone	BRL	7.2		ug/L	337800	1	06/15/2022 19:19	YH
1-Naphthylamine	BRL	5.2		ug/L	337800	1	06/15/2022 19:19	YH
2,3,4,6-Tetrachlorophenol	BRL	4.0		ug/L	337800	1	06/15/2022 19:19	YH
2,4,5-Trichlorophenol	BRL	3.9		ug/L	337800	1	06/15/2022 19:19	YH
2,4,6-Trichlorophenol	BRL	3.4		ug/L	337800	1	06/15/2022 19:19	YH
2,4-Dichlorophenol	BRL	3.6		ug/L	337800	1	06/15/2022 19:19	YH
2,4-Dimethylphenol	BRL	3.8		ug/L	337800	1	06/15/2022 19:19	YH
2,4-Dinitrophenol	BRL	8.8		ug/L	337800	1	06/15/2022 19:19	YH
2,4-Dinitrotoluene	BRL	6.0		ug/L	337800	1	06/15/2022 19:19	YH
2,6-Dichlorophenol	BRL	5.9		ug/L	337800	1	06/15/2022 19:19	YH
2,6-Dinitrotoluene	BRL	5.3		ug/L	337800	1	06/15/2022 19:19	YH
2-Acetylaminofluorene	BRL	11		ug/L	337800	1	06/15/2022 19:19	YH
2-Chloronaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 19:19	YH
2-Chlorophenol	BRL	2.0		ug/L	337800	1	06/15/2022 19:19	YH
2-Methylnaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 19:19	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: PH1-GWA-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 3:00:00 PM
Lab ID: 2206E72-002	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Methylphenol	BRL	3.1		ug/L	337800	1	06/15/2022 19:19	YH
2-Naphthylamine	BRL	4.3		ug/L	337800	1	06/15/2022 19:19	YH
2-Nitroaniline	BRL	3.6		ug/L	337800	1	06/15/2022 19:19	YH
2-Nitrophenol	BRL	2.5		ug/L	337800	1	06/15/2022 19:19	YH
3,3'-Dichlorobenzidine	BRL	3.7		ug/L	337800	1	06/15/2022 19:19	YH
3,3'-Dimethoxybenzidine	BRL	10	N	ug/L	337800	1	06/15/2022 19:19	YH
3,3'-Dimethylbenzidine	BRL	9.3		ug/L	337800	1	06/15/2022 19:19	YH
3,4-Methylphenol	BRL	3.3		ug/L	337800	1	06/15/2022 19:19	YH
3-Methylcholanthrene	BRL	8.1		ug/L	337800	1	06/15/2022 19:19	YH
3-Nitroaniline	BRL	4.3		ug/L	337800	1	06/15/2022 19:19	YH
4,6-Dinitro-2-methylphenol	BRL	14		ug/L	337800	1	06/15/2022 19:19	YH
4-Aminobiphenyl	BRL	4.8		ug/L	337800	1	06/15/2022 19:19	YH
4-Bromophenyl phenyl ether	BRL	3.9		ug/L	337800	1	06/15/2022 19:19	YH
4-Chloro-3-methylphenol	BRL	4.0		ug/L	337800	1	06/15/2022 19:19	YH
4-Chloroaniline	BRL	4.9		ug/L	337800	1	06/15/2022 19:19	YH
4-Chlorophenyl phenyl ether	BRL	3.0		ug/L	337800	1	06/15/2022 19:19	YH
4-Nitroaniline	BRL	5.1		ug/L	337800	1	06/15/2022 19:19	YH
4-Nitrophenol	BRL	5.8		ug/L	337800	1	06/15/2022 19:19	YH
5-Nitro-o-toluidine	BRL	4.9		ug/L	337800	1	06/15/2022 19:19	YH
7,12-Dimethylbenz(a)anthracene	BRL	7.0		ug/L	337800	1	06/15/2022 19:19	YH
Acenaphthene	BRL	2.5		ug/L	337800	1	06/15/2022 19:19	YH
Acenaphthylene	BRL	2.7		ug/L	337800	1	06/15/2022 19:19	YH
Acetophenone	BRL	4.0		ug/L	337800	1	06/15/2022 19:19	YH
Anthracene	BRL	2.9		ug/L	337800	1	06/15/2022 19:19	YH
Benz(a)anthracene	BRL	2.8		ug/L	337800	1	06/15/2022 19:19	YH
Benzo(b)fluoranthene	BRL	3.8		ug/L	337800	1	06/15/2022 19:19	YH
Benzo(g,h,i)perylene	BRL	4.2		ug/L	337800	1	06/15/2022 19:19	YH
Benzo(k)fluoranthene	BRL	3.6		ug/L	337800	1	06/15/2022 19:19	YH
Benzyl alcohol	BRL	3.8		ug/L	337800	1	06/15/2022 19:19	YH
Bis(2-chloroethoxy)methane	BRL	2.6		ug/L	337800	1	06/15/2022 19:19	YH
Bis(2-chloroethyl)ether	BRL	2.4		ug/L	337800	1	06/15/2022 19:19	YH
Bis(2-chloroisopropyl)ether	BRL	3.0		ug/L	337800	1	06/15/2022 19:19	YH
Bis(2-ethylhexyl)phthalate	BRL	4.4		ug/L	337800	1	06/15/2022 19:19	YH
Butyl benzyl phthalate	BRL	3.4		ug/L	337800	1	06/15/2022 19:19	YH
Chlorobenzilate	BRL	5.8		ug/L	337800	1	06/15/2022 19:19	YH
Chrysene	BRL	2.7		ug/L	337800	1	06/15/2022 19:19	YH
Di-n-butyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 19:19	YH
Di-n-octyl phthalate	BRL	9.3		ug/L	337800	1	06/15/2022 19:19	YH
Diallate	BRL	5.1		ug/L	337800	1	06/15/2022 19:19	YH
Dibenz(a,h)anthracene	BRL	4.5		ug/L	337800	1	06/15/2022 19:19	YH
Dibenzofuran	BRL	2.7		ug/L	337800	1	06/15/2022 19:19	YH
Diethyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 19:19	YH
Dimethoate	BRL	5.8		ug/L	337800	1	06/15/2022 19:19	YH
Dimethyl phthalate	BRL	2.8		ug/L	337800	1	06/15/2022 19:19	YH
Dimethylaminoazobenzene	BRL	3.5	N	ug/L	337800	1	06/15/2022 19:19	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-002

Client Sample ID: PH1-GWA-1
Collection Date: 6/8/2022 3:00:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Disulfoton	BRL	5.7		ug/L	337800	1	06/15/2022 19:19	YH
Ethyl methanesulfonate	BRL	4.4		ug/L	337800	1	06/15/2022 19:19	YH
Famphur	BRL	3.4		ug/L	337800	1	06/15/2022 19:19	YH
Fluoranthene	BRL	3.0		ug/L	337800	1	06/15/2022 19:19	YH
Fluorene	BRL	2.7		ug/L	337800	1	06/15/2022 19:19	YH
Hexachlorobutadiene	BRL	4.2		ug/L	337800	1	06/15/2022 19:19	YH
Hexachlorocyclopentadiene	BRL	8.4		ug/L	337800	1	06/15/2022 19:19	YH
Hexachloroethane	BRL	3.1		ug/L	337800	1	06/15/2022 19:19	YH
Hexachloropropene	BRL	7.4		ug/L	337800	1	06/15/2022 19:19	YH
Indeno(1,2,3-cd)pyrene	BRL	4.2		ug/L	337800	1	06/15/2022 19:19	YH
Isodrin	BRL	5.4		ug/L	337800	1	06/15/2022 19:19	YH
Isophorone	BRL	3.5		ug/L	337800	1	06/15/2022 19:19	YH
Isosafrole	BRL	6.5		ug/L	337800	1	06/15/2022 19:19	YH
Kepone	BRL	5.4		ug/L	337800	1	06/15/2022 19:19	YH
Methapyrilene	BRL	8.0		ug/L	337800	1	06/15/2022 19:19	YH
Methyl methanesulfonate	BRL	5.5		ug/L	337800	1	06/15/2022 19:19	YH
Methyl parathion	BRL	4.4		ug/L	337800	1	06/15/2022 19:19	YH
N-Nitrosodi-n-butylamine	BRL	3.5		ug/L	337800	1	06/15/2022 19:19	YH
N-Nitrosodi-n-propylamine	BRL	2.5		ug/L	337800	1	06/15/2022 19:19	YH
N-Nitrosodiethylamine	BRL	2.7		ug/L	337800	1	06/15/2022 19:19	YH
N-Nitrosodimethylamine	BRL	4.0		ug/L	337800	1	06/15/2022 19:19	YH
N-Nitrosodiphenylamine	BRL	2.4		ug/L	337800	1	06/15/2022 19:19	YH
N-Nitrosomethylethylamine	BRL	1.5		ug/L	337800	1	06/15/2022 19:19	YH
N-Nitrosopiperidine	BRL	2.3		ug/L	337800	1	06/15/2022 19:19	YH
N-Nitrosopyrrolidine	BRL	2.9		ug/L	337800	1	06/15/2022 19:19	YH
Nitrobenzene	BRL	2.5		ug/L	337800	1	06/15/2022 19:19	YH
O,O,O-Triethyl phosphorothioate	BRL	3.3		ug/L	337800	1	06/15/2022 19:19	YH
o-Toluidine	BRL	7.5		ug/L	337800	1	06/15/2022 19:19	YH
p-Phenylenediamine	BRL	5.7		ug/L	337800	1	06/15/2022 19:19	YH
Parathion	BRL	4.4		ug/L	337800	1	06/15/2022 19:19	YH
Pentachlorobenzene	BRL	3.8		ug/L	337800	1	06/15/2022 19:19	YH
Pentachloronitrobenzene	BRL	5.6		ug/L	337800	1	06/15/2022 19:19	YH
Phenacetin	BRL	6.0		ug/L	337800	1	06/15/2022 19:19	YH
Phenanthrene	BRL	2.9		ug/L	337800	1	06/15/2022 19:19	YH
Phenol	BRL	2.9		ug/L	337800	1	06/15/2022 19:19	YH
Phorate	BRL	3.5		ug/L	337800	1	06/15/2022 19:19	YH
Pronamide	BRL	7.0		ug/L	337800	1	06/15/2022 19:19	YH
Pyrene	BRL	2.9		ug/L	337800	1	06/15/2022 19:19	YH
Safrole	BRL	7.3		ug/L	337800	1	06/15/2022 19:19	YH
Thionazin	BRL	4.1		ug/L	337800	1	06/15/2022 19:19	YH
Surr: 2,4,6-Tribromophenol	66.7	46-135		%REC	337800	1	06/15/2022 19:19	YH
Surr: 2-Fluorobiphenyl	94.5	45-121		%REC	337800	1	06/15/2022 19:19	YH
Surr: 2-Fluorophenol	26.5	28.2-120	S	%REC	337800	1	06/15/2022 19:19	YH
Surr: 4-Terphenyl-d14	105	44-120		%REC	337800	1	06/15/2022 19:19	YH
Surr: Nitrobenzene-d5	90.3	41-123		%REC	337800	1	06/15/2022 19:19	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-002

Client Sample ID: PH1-GWA-1
Collection Date: 6/8/2022 3:00:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E					(SW3510C)			
Surr: Phenol-d5	17.6	19.5-120	S	%REC	337800	1	06/15/2022 19:19	YH
POLYCHLORINATED BIPHENYLS SW8082A					(SW3510C)			
Aroclor 1016	BRL	0.50		ug/L	338111	1	06/16/2022 19:55	ST
Aroclor 1221	BRL	0.50		ug/L	338111	1	06/16/2022 19:55	ST
Aroclor 1232	BRL	0.50		ug/L	338111	1	06/16/2022 19:55	ST
Aroclor 1242	BRL	0.50		ug/L	338111	1	06/16/2022 19:55	ST
Aroclor 1248	BRL	0.50		ug/L	338111	1	06/16/2022 19:55	ST
Aroclor 1254	BRL	0.50		ug/L	338111	1	06/16/2022 19:55	ST
Aroclor 1260	BRL	0.50		ug/L	338111	1	06/16/2022 19:55	ST
Surr: Decachlorobiphenyl	89.5	30-120		%REC	338111	1	06/16/2022 19:55	ST
Surr: Tetrachloro-m-xylene	73.7	46.5-120		%REC	338111	1	06/16/2022 19:55	ST
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011					(SW8011)			
1,2-Dibromo-3-chloropropane	BRL	0.040		ug/L	338116	1	06/16/2022 13:49	UH
1,2-Dibromoethane	BRL	0.020		ug/L	338116	1	06/16/2022 13:49	UH
Surr: 4-Bromofluorobenzene	113	69.7-138		%REC	338116	1	06/16/2022 13:49	UH
Cyanide SW9014					(SW9010C)			
Cyanide, Total	BRL	0.010		mg/L	338141	1	06/17/2022 19:26	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B					(SW3510C)			
4,4'-DDD	BRL	0.10		ug/L	338037	1	06/16/2022 19:55	ST
4,4'-DDE	BRL	0.10		ug/L	338037	1	06/16/2022 19:55	ST
4,4'-DDT	BRL	0.10		ug/L	338037	1	06/16/2022 19:55	ST
Aldrin	BRL	0.050		ug/L	338037	1	06/16/2022 19:55	ST
alpha-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 19:55	ST
beta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 19:55	ST
Chlordane	BRL	0.50		ug/L	338037	1	06/16/2022 19:55	ST
delta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 19:55	ST
Dieldrin	BRL	0.10		ug/L	338037	1	06/16/2022 19:55	ST
Endosulfan I	BRL	0.050		ug/L	338037	1	06/16/2022 19:55	ST
Endosulfan II	BRL	0.10		ug/L	338037	1	06/16/2022 19:55	ST
Endosulfan sulfate	BRL	0.10		ug/L	338037	1	06/16/2022 19:55	ST
Endrin	BRL	0.10		ug/L	338037	1	06/16/2022 19:55	ST
Endrin aldehyde	BRL	0.10		ug/L	338037	1	06/16/2022 19:55	ST
gamma-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 19:55	ST
Heptachlor	BRL	0.050		ug/L	338037	1	06/16/2022 19:55	ST
Heptachlor epoxide	BRL	0.050		ug/L	338037	1	06/16/2022 19:55	ST
Methoxychlor	BRL	0.50		ug/L	338037	1	06/16/2022 19:55	ST
Toxaphene	BRL	3.0		ug/L	338037	1	06/16/2022 19:55	ST
Surr: Decachlorobiphenyl	83	27-130		%REC	338037	1	06/16/2022 19:55	ST
Surr: Tetrachloro-m-xylene	65.7	40.1-130		%REC	338037	1	06/16/2022 19:55	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A					(SW3510C)			

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-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/8/2022 3:00:00 PM
Lab ID: 2206E72-002	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	338002	1	06/16/2022 19:28	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	338002	1	06/16/2022 19:28	UH
2,4-D	BRL	2.0		ug/L	338002	1	06/16/2022 19:28	UH
Dinoseb	BRL	5.0		ug/L	338002	1	06/16/2022 19:28	UH
Pentachlorophenol	BRL	1.0		ug/L	338002	1	06/16/2022 19:28	UH
Surr: DCAA	75.7	47-120		%REC	338002	1	06/16/2022 19:28	UH

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

Analytical Environmental Services, Inc.

Date: 08-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-002

Client Sample ID: PH1-GWA-1
Collection Date: 6/8/2022 3:00:00 PM
Matrix: AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/24/2022 7:02 PM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/22/2022 3:42 PM
Surr: 4-Terphenyl-d14	87.6	65.5-137		%REC	338060	1	6/22/2022 3:42 PM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWA-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 9:25:00 AM
Lab ID: 2206E72-003	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Mercury, Total SW7470A					(SW7470A)			
Mercury	BRL	0.00050		mg/L	338886	1	06/30/2022 16:37	GR
APPENDIX II METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	338047	1	06/16/2022 19:45	JM
Arsenic	BRL	0.0100		mg/L	338047	1	06/16/2022 19:45	JM
Barium	0.0253	0.0200		mg/L	338047	1	06/16/2022 19:45	JM
Beryllium	BRL	0.00300		mg/L	338047	1	06/16/2022 19:45	JM
Cadmium	BRL	0.00500		mg/L	338047	1	06/16/2022 19:45	JM
Chromium	BRL	0.0100		mg/L	338047	1	06/16/2022 19:45	JM
Cobalt	0.0747	0.0400		mg/L	338047	1	06/16/2022 19:45	JM
Copper	BRL	0.0200		mg/L	338047	1	06/16/2022 19:45	JM
Lead	BRL	0.0150		mg/L	338047	1	06/16/2022 19:45	JM
Nickel	BRL	0.0200		mg/L	338047	1	06/16/2022 19:45	JM
Selenium	BRL	0.0100		mg/L	338047	1	06/16/2022 19:45	JM
Silver	BRL	0.0100		mg/L	338047	1	06/16/2022 19:45	JM
Thallium	BRL	0.00200		mg/L	338047	1	06/16/2022 19:45	JM
Tin	BRL	0.0400		mg/L	338047	1	06/16/2022 19:45	JM
Vanadium	BRL	0.0200		mg/L	338047	1	06/16/2022 19:45	JM
Zinc	BRL	0.0200		mg/L	338047	1	06/16/2022 19:45	JM

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: 6/9/2022 10:55:00 AM
Lab ID: 2206E72-004	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	338346	1	06/17/2022 18:19	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
1,1-Dichloroethane	11	2.0		ug/L	338346	1	06/17/2022 18:19	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
1,1-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
1,3-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
1,3-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
2,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
2-Butanone	BRL	100		ug/L	338346	1	06/17/2022 18:19	CM
2-Hexanone	BRL	50		ug/L	338346	1	06/17/2022 18:19	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338346	1	06/17/2022 18:19	CM
Acetone	BRL	100		ug/L	338346	1	06/17/2022 18:19	CM
Acetonitrile	BRL	200		ug/L	338346	1	06/17/2022 18:19	CM
Acrolein	BRL	50		ug/L	338346	1	06/17/2022 18:19	CM
Acrylonitrile	BRL	50		ug/L	338346	1	06/17/2022 18:19	CM
Allyl Chloride	BRL	100		ug/L	338346	1	06/17/2022 18:19	CM
Benzene	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
Bromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Bromodichloromethane	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Bromoform	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Bromomethane	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Carbon disulfide	BRL	5.0		ug/L	338346	1	06/17/2022 18:19	CM
Carbon tetrachloride	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
Chlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Chloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
Chloroform	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
Chloromethane	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Chloroprene	BRL	20		ug/L	338346	1	06/17/2022 18:19	CM
cis-1,2-Dichloroethene	21	2.0		ug/L	338346	1	06/17/2022 18:19	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
Dibromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Dibromomethane	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Dichlorodifluoromethane	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Ethyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Ethylbenzene	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
Iodomethane	BRL	100		ug/L	338346	1	06/17/2022 18:19	CM
Isobutyl Alcohol	BRL	200		ug/L	338346	1	06/17/2022 18:19	CM

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: 2206E72-004

Client Sample ID: GWC-14R
Collection Date: 6/9/2022 10:55:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Methyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Methylacrylonitrile	BRL	200		ug/L	338346	1	06/17/2022 18:19	CM
Methylene chloride	BRL	5.0		ug/L	338346	1	06/17/2022 18:19	CM
Naphthalene	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Propionitrile	BRL	100		ug/L	338346	1	06/17/2022 18:19	CM
Styrene	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Tetrachloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
Toluene	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338346	1	06/17/2022 18:19	CM
Trichloroethene	2.8	2.0		ug/L	338346	1	06/17/2022 18:19	CM
Trichlorofluoromethane	BRL	10		ug/L	338346	1	06/17/2022 18:19	CM
Vinyl acetate	BRL	100		ug/L	338346	1	06/17/2022 18:19	CM
Vinyl chloride	BRL	2.0		ug/L	338346	1	06/17/2022 18:19	CM
Xylenes, Total	BRL	5.0		ug/L	338346	1	06/17/2022 18:19	CM
Surr: 4-Bromofluorobenzene	88.8	75-118		%REC	338346	1	06/17/2022 18:19	CM
Surr: 4-Bromofluorobenzene	94.1	75-118		%REC	338346	1	06/17/2022 18:19	CM
Surr: Dibromofluoromethane	97.4	82.5-121		%REC	338346	1	06/17/2022 18:19	CM
Surr: Dibromofluoromethane	112	82.5-121		%REC	338346	1	06/17/2022 18:19	CM
Surr: Toluene-d8	96.2	78.3-118		%REC	338346	1	06/17/2022 18:19	CM
Surr: Toluene-d8	105	78.3-118		%REC	338346	1	06/17/2022 18:19	CM
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	337876	1	06/14/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	3.7		ug/L	337800	1	06/15/2022 19:46	YH
1,3,5-Trinitrobenzene	BRL	1.5		ug/L	337800	1	06/15/2022 19:46	YH
1,3-Dinitrobenzene	BRL	7.5		ug/L	337800	1	06/15/2022 19:46	YH
1,4-Napthoquinone	BRL	7.2		ug/L	337800	1	06/15/2022 19:46	YH
1-Naphthylamine	BRL	5.2		ug/L	337800	1	06/15/2022 19:46	YH
2,3,4,6-Tetrachlorophenol	BRL	4.0		ug/L	337800	1	06/15/2022 19:46	YH
2,4,5-Trichlorophenol	BRL	3.9		ug/L	337800	1	06/15/2022 19:46	YH
2,4,6-Trichlorophenol	BRL	3.4		ug/L	337800	1	06/15/2022 19:46	YH
2,4-Dichlorophenol	BRL	3.6		ug/L	337800	1	06/15/2022 19:46	YH
2,4-Dimethylphenol	BRL	3.8		ug/L	337800	1	06/15/2022 19:46	YH
2,4-Dinitrophenol	BRL	8.8		ug/L	337800	1	06/15/2022 19:46	YH
2,4-Dinitrotoluene	BRL	6.0		ug/L	337800	1	06/15/2022 19:46	YH
2,6-Dichlorophenol	BRL	5.9		ug/L	337800	1	06/15/2022 19:46	YH
2,6-Dinitrotoluene	BRL	5.3		ug/L	337800	1	06/15/2022 19:46	YH
2-Acetylaminofluorene	BRL	11		ug/L	337800	1	06/15/2022 19:46	YH
2-Chloronaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 19:46	YH
2-Chlorophenol	BRL	2.0		ug/L	337800	1	06/15/2022 19:46	YH
2-Methylnaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 19:46	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-004

Client Sample ID: GWC-14R
Collection Date: 6/9/2022 10:55:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Methylphenol	BRL	3.1		ug/L	337800	1	06/15/2022 19:46	YH
2-Naphthylamine	BRL	4.3		ug/L	337800	1	06/15/2022 19:46	YH
2-Nitroaniline	BRL	3.6		ug/L	337800	1	06/15/2022 19:46	YH
2-Nitrophenol	BRL	2.5		ug/L	337800	1	06/15/2022 19:46	YH
3,3'-Dichlorobenzidine	BRL	3.7		ug/L	337800	1	06/15/2022 19:46	YH
3,3'-Dimethoxybenzidine	BRL	10	N	ug/L	337800	1	06/15/2022 19:46	YH
3,3'-Dimethylbenzidine	BRL	9.3		ug/L	337800	1	06/15/2022 19:46	YH
3,4-Methylphenol	BRL	3.3		ug/L	337800	1	06/15/2022 19:46	YH
3-Methylcholanthrene	BRL	8.1		ug/L	337800	1	06/15/2022 19:46	YH
3-Nitroaniline	BRL	4.3		ug/L	337800	1	06/15/2022 19:46	YH
4,6-Dinitro-2-methylphenol	BRL	14		ug/L	337800	1	06/15/2022 19:46	YH
4-Aminobiphenyl	BRL	4.8		ug/L	337800	1	06/15/2022 19:46	YH
4-Bromophenyl phenyl ether	BRL	3.9		ug/L	337800	1	06/15/2022 19:46	YH
4-Chloro-3-methylphenol	BRL	4.0		ug/L	337800	1	06/15/2022 19:46	YH
4-Chloroaniline	BRL	4.9		ug/L	337800	1	06/15/2022 19:46	YH
4-Chlorophenyl phenyl ether	BRL	3.0		ug/L	337800	1	06/15/2022 19:46	YH
4-Nitroaniline	BRL	5.1		ug/L	337800	1	06/15/2022 19:46	YH
4-Nitrophenol	BRL	5.8		ug/L	337800	1	06/15/2022 19:46	YH
5-Nitro-o-toluidine	BRL	4.9		ug/L	337800	1	06/15/2022 19:46	YH
7,12-Dimethylbenz(a)anthracene	BRL	7.0		ug/L	337800	1	06/15/2022 19:46	YH
Acenaphthene	BRL	2.5		ug/L	337800	1	06/15/2022 19:46	YH
Acenaphthylene	BRL	2.7		ug/L	337800	1	06/15/2022 19:46	YH
Acetophenone	BRL	4.0		ug/L	337800	1	06/15/2022 19:46	YH
Anthracene	BRL	2.9		ug/L	337800	1	06/15/2022 19:46	YH
Benz(a)anthracene	BRL	2.8		ug/L	337800	1	06/15/2022 19:46	YH
Benzo(b)fluoranthene	BRL	3.8		ug/L	337800	1	06/15/2022 19:46	YH
Benzo(g,h,i)perylene	BRL	4.2		ug/L	337800	1	06/15/2022 19:46	YH
Benzo(k)fluoranthene	BRL	3.6		ug/L	337800	1	06/15/2022 19:46	YH
Benzyl alcohol	BRL	3.8		ug/L	337800	1	06/15/2022 19:46	YH
Bis(2-chloroethoxy)methane	BRL	2.6		ug/L	337800	1	06/15/2022 19:46	YH
Bis(2-chloroethyl)ether	BRL	2.4		ug/L	337800	1	06/15/2022 19:46	YH
Bis(2-chloroisopropyl)ether	BRL	3.0		ug/L	337800	1	06/15/2022 19:46	YH
Bis(2-ethylhexyl)phthalate	BRL	4.4		ug/L	337800	1	06/15/2022 19:46	YH
Butyl benzyl phthalate	BRL	3.4		ug/L	337800	1	06/15/2022 19:46	YH
Chlorobenzilate	BRL	5.8		ug/L	337800	1	06/15/2022 19:46	YH
Chrysene	BRL	2.7		ug/L	337800	1	06/15/2022 19:46	YH
Di-n-butyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 19:46	YH
Di-n-octyl phthalate	BRL	9.3		ug/L	337800	1	06/15/2022 19:46	YH
Diallylate	BRL	5.1		ug/L	337800	1	06/15/2022 19:46	YH
Dibenz(a,h)anthracene	BRL	4.5		ug/L	337800	1	06/15/2022 19:46	YH
Dibenzofuran	BRL	2.7		ug/L	337800	1	06/15/2022 19:46	YH
Diethyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 19:46	YH
Dimethoate	BRL	5.8		ug/L	337800	1	06/15/2022 19:46	YH
Dimethyl phthalate	BRL	2.8		ug/L	337800	1	06/15/2022 19:46	YH
Dimethylaminoazobenzene	BRL	3.5	N	ug/L	337800	1	06/15/2022 19:46	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: 6/9/2022 10:55:00 AM
Lab ID: 2206E72-004	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Disulfoton	BRL	5.7		ug/L	337800	1	06/15/2022 19:46	YH
Ethyl methanesulfonate	BRL	4.4		ug/L	337800	1	06/15/2022 19:46	YH
Famphur	BRL	3.4		ug/L	337800	1	06/15/2022 19:46	YH
Fluoranthene	BRL	3.0		ug/L	337800	1	06/15/2022 19:46	YH
Fluorene	BRL	2.7		ug/L	337800	1	06/15/2022 19:46	YH
Hexachlorobutadiene	BRL	4.2		ug/L	337800	1	06/15/2022 19:46	YH
Hexachlorocyclopentadiene	BRL	8.4		ug/L	337800	1	06/15/2022 19:46	YH
Hexachloroethane	BRL	3.1		ug/L	337800	1	06/15/2022 19:46	YH
Hexachloropropene	BRL	7.4		ug/L	337800	1	06/15/2022 19:46	YH
Indeno(1,2,3-cd)pyrene	BRL	4.2		ug/L	337800	1	06/15/2022 19:46	YH
Isodrin	BRL	5.4		ug/L	337800	1	06/15/2022 19:46	YH
Isophorone	BRL	3.5		ug/L	337800	1	06/15/2022 19:46	YH
Isosafrole	BRL	6.5		ug/L	337800	1	06/15/2022 19:46	YH
Kepone	BRL	5.4		ug/L	337800	1	06/15/2022 19:46	YH
Methapyrilene	BRL	8.0		ug/L	337800	1	06/15/2022 19:46	YH
Methyl methanesulfonate	BRL	5.5		ug/L	337800	1	06/15/2022 19:46	YH
Methyl parathion	BRL	4.4		ug/L	337800	1	06/15/2022 19:46	YH
N-Nitrosodi-n-butylamine	BRL	3.5		ug/L	337800	1	06/15/2022 19:46	YH
N-Nitrosodi-n-propylamine	BRL	2.5		ug/L	337800	1	06/15/2022 19:46	YH
N-Nitrosodiethylamine	BRL	2.7		ug/L	337800	1	06/15/2022 19:46	YH
N-Nitrosodimethylamine	BRL	4.0		ug/L	337800	1	06/15/2022 19:46	YH
N-Nitrosodiphenylamine	BRL	2.4		ug/L	337800	1	06/15/2022 19:46	YH
N-Nitrosomethylethylamine	BRL	1.5		ug/L	337800	1	06/15/2022 19:46	YH
N-Nitrosopiperidine	BRL	2.3		ug/L	337800	1	06/15/2022 19:46	YH
N-Nitrosopyrrolidine	BRL	2.9		ug/L	337800	1	06/15/2022 19:46	YH
Nitrobenzene	BRL	2.5		ug/L	337800	1	06/15/2022 19:46	YH
O,O,O-Triethyl phosphorothioate	BRL	3.3		ug/L	337800	1	06/15/2022 19:46	YH
o-Toluidine	BRL	7.5		ug/L	337800	1	06/15/2022 19:46	YH
p-Phenylenediamine	BRL	5.7		ug/L	337800	1	06/15/2022 19:46	YH
Parathion	BRL	4.4		ug/L	337800	1	06/15/2022 19:46	YH
Pentachlorobenzene	BRL	3.8		ug/L	337800	1	06/15/2022 19:46	YH
Pentachloronitrobenzene	BRL	5.6		ug/L	337800	1	06/15/2022 19:46	YH
Phenacetin	BRL	6.0		ug/L	337800	1	06/15/2022 19:46	YH
Phenanthrene	BRL	2.9		ug/L	337800	1	06/15/2022 19:46	YH
Phenol	BRL	2.9		ug/L	337800	1	06/15/2022 19:46	YH
Phorate	BRL	3.5		ug/L	337800	1	06/15/2022 19:46	YH
Pronamide	BRL	7.0		ug/L	337800	1	06/15/2022 19:46	YH
Pyrene	BRL	2.9		ug/L	337800	1	06/15/2022 19:46	YH
Safrole	BRL	7.3		ug/L	337800	1	06/15/2022 19:46	YH
Thionazin	BRL	4.1		ug/L	337800	1	06/15/2022 19:46	YH
Surr: 2,4,6-Tribromophenol	94.4	46-135		%REC	337800	1	06/15/2022 19:46	YH
Surr: 2-Fluorobiphenyl	72.5	45-121		%REC	337800	1	06/15/2022 19:46	YH
Surr: 2-Fluorophenol	28.5	28.2-120		%REC	337800	1	06/15/2022 19:46	YH
Surr: 4-Terphenyl-d14	92.2	44-120		%REC	337800	1	06/15/2022 19:46	YH
Surr: Nitrobenzene-d5	63	41-123		%REC	337800	1	06/15/2022 19:46	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: 2206E72-004

Client Sample ID: GWC-14R
Collection Date: 6/9/2022 10:55:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E					(SW3510C)			
Surr: Phenol-d5	18.4	19.5-120	S	%REC	337800	1	06/15/2022 19:46	YH
POLYCHLORINATED BIPHENYLS SW8082A					(SW3510C)			
Aroclor 1016	BRL	0.50		ug/L	338111	1	06/16/2022 20:06	ST
Aroclor 1221	BRL	0.50		ug/L	338111	1	06/16/2022 20:06	ST
Aroclor 1232	BRL	0.50		ug/L	338111	1	06/16/2022 20:06	ST
Aroclor 1242	BRL	0.50		ug/L	338111	1	06/16/2022 20:06	ST
Aroclor 1248	BRL	0.50		ug/L	338111	1	06/16/2022 20:06	ST
Aroclor 1254	BRL	0.50		ug/L	338111	1	06/16/2022 20:06	ST
Aroclor 1260	BRL	0.50		ug/L	338111	1	06/16/2022 20:06	ST
Surr: Decachlorobiphenyl	105	30-120		%REC	338111	1	06/16/2022 20:06	ST
Surr: Tetrachloro-m-xylene	85.6	46.5-120		%REC	338111	1	06/16/2022 20:06	ST
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011					(SW8011)			
1,2-Dibromo-3-chloropropane	BRL	0.040		ug/L	338116	1	06/16/2022 14:06	UH
1,2-Dibromoethane	BRL	0.020		ug/L	338116	1	06/16/2022 14:06	UH
Surr: 4-Bromofluorobenzene	110	69.7-138		%REC	338116	1	06/16/2022 14:06	UH
Mercury, Total SW7470A					(SW7470A)			
Mercury	BRL	0.00050		mg/L	338886	1	06/30/2022 16:41	GR
Cyanide SW9014					(SW9010C)			
Cyanide, Total	BRL	0.010		mg/L	338141	1	06/17/2022 19:27	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B					(SW3510C)			
4,4'-DDD	BRL	0.10		ug/L	338037	1	06/16/2022 20:06	ST
4,4'-DDE	BRL	0.10		ug/L	338037	1	06/16/2022 20:06	ST
4,4'-DDT	BRL	0.10		ug/L	338037	1	06/16/2022 20:06	ST
Aldrin	BRL	0.050		ug/L	338037	1	06/16/2022 20:06	ST
alpha-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:06	ST
beta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:06	ST
Chlordane	BRL	0.50		ug/L	338037	1	06/16/2022 20:06	ST
delta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:06	ST
Dieldrin	BRL	0.10		ug/L	338037	1	06/16/2022 20:06	ST
Endosulfan I	BRL	0.050		ug/L	338037	1	06/16/2022 20:06	ST
Endosulfan II	BRL	0.10		ug/L	338037	1	06/16/2022 20:06	ST
Endosulfan sulfate	BRL	0.10		ug/L	338037	1	06/16/2022 20:06	ST
Endrin	BRL	0.10		ug/L	338037	1	06/16/2022 20:06	ST
Endrin aldehyde	BRL	0.10		ug/L	338037	1	06/16/2022 20:06	ST
gamma-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:06	ST
Heptachlor	BRL	0.050		ug/L	338037	1	06/16/2022 20:06	ST
Heptachlor epoxide	BRL	0.050		ug/L	338037	1	06/16/2022 20:06	ST
Methoxychlor	BRL	0.50		ug/L	338037	1	06/16/2022 20:06	ST
Toxaphene	BRL	3.0		ug/L	338037	1	06/16/2022 20:06	ST
Surr: Decachlorobiphenyl	98.4	27-130		%REC	338037	1	06/16/2022 20:06	ST

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: 6/9/2022 10:55:00 AM
Lab ID: 2206E72-004	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B				(SW3510C)				
Surr: Tetrachloro-m-xylene	75.8	40.1-130		%REC	338037	1	06/16/2022 20:06	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	338002	1	06/16/2022 19:49	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	338002	1	06/16/2022 19:49	UH
2,4-D	BRL	2.0		ug/L	338002	1	06/16/2022 19:49	UH
Dinoseb	BRL	5.0		ug/L	338002	1	06/16/2022 19:49	UH
Pentachlorophenol	BRL	1.0		ug/L	338002	1	06/16/2022 19:49	UH
Surr: DCAA	78.1	47-120		%REC	338002	1	06/16/2022 19:49	UH
APPENDIX II METALS SW6020B				(SW3005A)				
Antimony	BRL	0.00600		mg/L	338047	1	06/16/2022 19:48	JM
Arsenic	BRL	0.0100		mg/L	338047	1	06/16/2022 19:48	JM
Barium	0.0941	0.0200		mg/L	338047	1	06/16/2022 19:48	JM
Beryllium	BRL	0.00300		mg/L	338047	1	06/16/2022 19:48	JM
Cadmium	BRL	0.00500		mg/L	338047	1	06/16/2022 19:48	JM
Chromium	BRL	0.0100		mg/L	338047	1	06/16/2022 19:48	JM
Cobalt	BRL	0.0400		mg/L	338047	1	06/16/2022 19:48	JM
Copper	BRL	0.0200		mg/L	338047	1	06/16/2022 19:48	JM
Lead	BRL	0.0150		mg/L	338047	1	06/16/2022 19:48	JM
Nickel	BRL	0.0200		mg/L	338047	1	06/16/2022 19:48	JM
Selenium	BRL	0.0100		mg/L	338047	1	06/16/2022 19:48	JM
Silver	BRL	0.0100		mg/L	338047	1	06/16/2022 19:48	JM
Thallium	BRL	0.00200		mg/L	338047	1	06/16/2022 19:48	JM
Tin	BRL	0.0400		mg/L	338047	1	06/16/2022 19:48	JM
Vanadium	BRL	0.0200		mg/L	338047	1	06/16/2022 19:48	JM
Zinc	BRL	0.0200		mg/L	338047	1	06/16/2022 19:48	JM

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

Analytical Environmental Services, Inc.

Date: 08-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-004

Client Sample ID: GWC-14R
Collection Date: 6/9/2022 10:55:00 AM
Matrix: AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/24/2022 7:25 PM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/22/2022 4:07 PM
Surr: 4-Terphenyl-d14	93.2	65.5-137		%REC	338060	1	6/22/2022 4:07 PM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-005

Client Sample ID: GWC-14A
Collection Date: 6/9/2022 11:05:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D							
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
1,1-Dichloroethane	9.5	2.0		ug/L	338346	1	06/17/2022 18:43	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
1,1-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
1,3-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
1,3-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
2,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
2-Butanone	BRL	100		ug/L	338346	1	06/17/2022 18:43	CM
2-Hexanone	BRL	50		ug/L	338346	1	06/17/2022 18:43	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338346	1	06/17/2022 18:43	CM
Acetone	BRL	100		ug/L	338346	1	06/17/2022 18:43	CM
Acetonitrile	BRL	200		ug/L	338346	1	06/17/2022 18:43	CM
Acrolein	BRL	50		ug/L	338346	1	06/17/2022 18:43	CM
Acrylonitrile	BRL	50		ug/L	338346	1	06/17/2022 18:43	CM
Allyl Chloride	BRL	100		ug/L	338346	1	06/17/2022 18:43	CM
Benzene	2.5	2.0		ug/L	338346	1	06/17/2022 18:43	CM
Bromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
Bromodichloromethane	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
Bromoform	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
Bromomethane	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
Carbon disulfide	BRL	5.0		ug/L	338346	1	06/17/2022 18:43	CM
Carbon tetrachloride	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
Chlorobenzene	17	10		ug/L	338346	1	06/17/2022 18:43	CM
Chloroethane	3.7	2.0		ug/L	338346	1	06/17/2022 18:43	CM
Chloroform	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
Chloromethane	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
Chloroprene	BRL	20		ug/L	338346	1	06/17/2022 18:43	CM
cis-1,2-Dichloroethene	54	2.0		ug/L	338346	1	06/17/2022 18:43	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
Dibromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
Dibromomethane	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
Dichlorodifluoromethane	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
Ethyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
Ethylbenzene	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
Iodomethane	BRL	100		ug/L	338346	1	06/17/2022 18:43	CM
Isobutyl Alcohol	BRL	200		ug/L	338346	1	06/17/2022 18:43	CM

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: 2206E72-005

Client Sample ID: GWC-14A
Collection Date: 6/9/2022 11:05:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Methyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
Methylacrylonitrile	BRL	200		ug/L	338346	1	06/17/2022 18:43	CM
Methylene chloride	BRL	5.0		ug/L	338346	1	06/17/2022 18:43	CM
Naphthalene	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
Propionitrile	BRL	100		ug/L	338346	1	06/17/2022 18:43	CM
Styrene	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
Tetrachloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
Toluene	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338346	1	06/17/2022 18:43	CM
Trichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 18:43	CM
Trichlorofluoromethane	BRL	10		ug/L	338346	1	06/17/2022 18:43	CM
Vinyl acetate	BRL	100		ug/L	338346	1	06/17/2022 18:43	CM
Vinyl chloride	19	2.0		ug/L	338346	1	06/17/2022 18:43	CM
Xylenes, Total	BRL	5.0		ug/L	338346	1	06/17/2022 18:43	CM
Surr: 4-Bromofluorobenzene	89.7	75-118		%REC	338346	1	06/17/2022 18:43	CM
Surr: 4-Bromofluorobenzene	95	75-118		%REC	338346	1	06/17/2022 18:43	CM
Surr: Dibromofluoromethane	99.7	82.5-121		%REC	338346	1	06/17/2022 18:43	CM
Surr: Dibromofluoromethane	115	82.5-121		%REC	338346	1	06/17/2022 18:43	CM
Surr: Toluene-d8	96.3	78.3-118		%REC	338346	1	06/17/2022 18:43	CM
Surr: Toluene-d8	105	78.3-118		%REC	338346	1	06/17/2022 18:43	CM
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	337876	1	06/14/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	3.7		ug/L	337800	1	06/15/2022 20:14	YH
1,3,5-Trinitrobenzene	BRL	1.5		ug/L	337800	1	06/15/2022 20:14	YH
1,3-Dinitrobenzene	BRL	7.5		ug/L	337800	1	06/15/2022 20:14	YH
1,4-Napthoquinone	BRL	7.2		ug/L	337800	1	06/15/2022 20:14	YH
1-Naphthylamine	BRL	5.2		ug/L	337800	1	06/15/2022 20:14	YH
2,3,4,6-Tetrachlorophenol	BRL	4.0		ug/L	337800	1	06/15/2022 20:14	YH
2,4,5-Trichlorophenol	BRL	3.9		ug/L	337800	1	06/15/2022 20:14	YH
2,4,6-Trichlorophenol	BRL	3.4		ug/L	337800	1	06/15/2022 20:14	YH
2,4-Dichlorophenol	BRL	3.6		ug/L	337800	1	06/15/2022 20:14	YH
2,4-Dimethylphenol	BRL	3.8		ug/L	337800	1	06/15/2022 20:14	YH
2,4-Dinitrophenol	BRL	8.8		ug/L	337800	1	06/15/2022 20:14	YH
2,4-Dinitrotoluene	BRL	6.0		ug/L	337800	1	06/15/2022 20:14	YH
2,6-Dichlorophenol	BRL	5.9		ug/L	337800	1	06/15/2022 20:14	YH
2,6-Dinitrotoluene	BRL	5.3		ug/L	337800	1	06/15/2022 20:14	YH
2-Acetylaminofluorene	BRL	11		ug/L	337800	1	06/15/2022 20:14	YH
2-Chloronaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 20:14	YH
2-Chlorophenol	BRL	2.0		ug/L	337800	1	06/15/2022 20:14	YH
2-Methylnaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 20:14	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-005

Client Sample ID: GWC-14A
Collection Date: 6/9/2022 11:05:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Methylphenol	BRL	3.1		ug/L	337800	1	06/15/2022 20:14	YH
2-Naphthylamine	BRL	4.3		ug/L	337800	1	06/15/2022 20:14	YH
2-Nitroaniline	BRL	3.6		ug/L	337800	1	06/15/2022 20:14	YH
2-Nitrophenol	BRL	2.5		ug/L	337800	1	06/15/2022 20:14	YH
3,3'-Dichlorobenzidine	BRL	3.7		ug/L	337800	1	06/15/2022 20:14	YH
3,3'-Dimethoxybenzidine	BRL	10	N	ug/L	337800	1	06/15/2022 20:14	YH
3,3'-Dimethylbenzidine	BRL	9.3		ug/L	337800	1	06/15/2022 20:14	YH
3,4-Methylphenol	BRL	3.3		ug/L	337800	1	06/15/2022 20:14	YH
3-Methylcholanthrene	BRL	8.1		ug/L	337800	1	06/15/2022 20:14	YH
3-Nitroaniline	BRL	4.3		ug/L	337800	1	06/15/2022 20:14	YH
4,6-Dinitro-2-methylphenol	BRL	14		ug/L	337800	1	06/15/2022 20:14	YH
4-Aminobiphenyl	BRL	4.8		ug/L	337800	1	06/15/2022 20:14	YH
4-Bromophenyl phenyl ether	BRL	3.9		ug/L	337800	1	06/15/2022 20:14	YH
4-Chloro-3-methylphenol	BRL	4.0		ug/L	337800	1	06/15/2022 20:14	YH
4-Chloroaniline	BRL	4.9		ug/L	337800	1	06/15/2022 20:14	YH
4-Chlorophenyl phenyl ether	BRL	3.0		ug/L	337800	1	06/15/2022 20:14	YH
4-Nitroaniline	BRL	5.1		ug/L	337800	1	06/15/2022 20:14	YH
4-Nitrophenol	BRL	5.8		ug/L	337800	1	06/15/2022 20:14	YH
5-Nitro-o-toluidine	BRL	4.9		ug/L	337800	1	06/15/2022 20:14	YH
7,12-Dimethylbenz(a)anthracene	BRL	7.0		ug/L	337800	1	06/15/2022 20:14	YH
Acenaphthene	BRL	2.5		ug/L	337800	1	06/15/2022 20:14	YH
Acenaphthylene	BRL	2.7		ug/L	337800	1	06/15/2022 20:14	YH
Acetophenone	BRL	4.0		ug/L	337800	1	06/15/2022 20:14	YH
Anthracene	BRL	2.9		ug/L	337800	1	06/15/2022 20:14	YH
Benz(a)anthracene	BRL	2.8		ug/L	337800	1	06/15/2022 20:14	YH
Benzo(b)fluoranthene	BRL	3.8		ug/L	337800	1	06/15/2022 20:14	YH
Benzo(g,h,i)perylene	BRL	4.2		ug/L	337800	1	06/15/2022 20:14	YH
Benzo(k)fluoranthene	BRL	3.6		ug/L	337800	1	06/15/2022 20:14	YH
Benzyl alcohol	BRL	3.8		ug/L	337800	1	06/15/2022 20:14	YH
Bis(2-chloroethoxy)methane	BRL	2.6		ug/L	337800	1	06/15/2022 20:14	YH
Bis(2-chloroethyl)ether	BRL	2.4		ug/L	337800	1	06/15/2022 20:14	YH
Bis(2-chloroisopropyl)ether	BRL	3.0		ug/L	337800	1	06/15/2022 20:14	YH
Bis(2-ethylhexyl)phthalate	BRL	4.4		ug/L	337800	1	06/15/2022 20:14	YH
Butyl benzyl phthalate	BRL	3.4		ug/L	337800	1	06/15/2022 20:14	YH
Chlorobenzilate	BRL	5.8		ug/L	337800	1	06/15/2022 20:14	YH
Chrysene	BRL	2.7		ug/L	337800	1	06/15/2022 20:14	YH
Di-n-butyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 20:14	YH
Di-n-octyl phthalate	BRL	9.3		ug/L	337800	1	06/15/2022 20:14	YH
Diallylate	BRL	5.1		ug/L	337800	1	06/15/2022 20:14	YH
Dibenz(a,h)anthracene	BRL	4.5		ug/L	337800	1	06/15/2022 20:14	YH
Dibenzofuran	BRL	2.7		ug/L	337800	1	06/15/2022 20:14	YH
Diethyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 20:14	YH
Dimethoate	BRL	5.8		ug/L	337800	1	06/15/2022 20:14	YH
Dimethyl phthalate	BRL	2.8		ug/L	337800	1	06/15/2022 20:14	YH
Dimethylaminoazobenzene	BRL	3.5	N	ug/L	337800	1	06/15/2022 20:14	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-14A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 11:05:00 AM
Lab ID: 2206E72-005	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Disulfoton	BRL	5.7		ug/L	337800	1	06/15/2022 20:14	YH
Ethyl methanesulfonate	BRL	4.4		ug/L	337800	1	06/15/2022 20:14	YH
Famphur	BRL	3.4		ug/L	337800	1	06/15/2022 20:14	YH
Fluoranthene	BRL	3.0		ug/L	337800	1	06/15/2022 20:14	YH
Fluorene	BRL	2.7		ug/L	337800	1	06/15/2022 20:14	YH
Hexachlorobutadiene	BRL	4.2		ug/L	337800	1	06/15/2022 20:14	YH
Hexachlorocyclopentadiene	BRL	8.4		ug/L	337800	1	06/15/2022 20:14	YH
Hexachloroethane	BRL	3.1		ug/L	337800	1	06/15/2022 20:14	YH
Hexachloropropene	BRL	7.4		ug/L	337800	1	06/15/2022 20:14	YH
Indeno(1,2,3-cd)pyrene	BRL	4.2		ug/L	337800	1	06/15/2022 20:14	YH
Isodrin	BRL	5.4		ug/L	337800	1	06/15/2022 20:14	YH
Isophorone	BRL	3.5		ug/L	337800	1	06/15/2022 20:14	YH
Isosafrole	BRL	6.5		ug/L	337800	1	06/15/2022 20:14	YH
Kepone	BRL	5.4		ug/L	337800	1	06/15/2022 20:14	YH
Methapyrilene	BRL	8.0		ug/L	337800	1	06/15/2022 20:14	YH
Methyl methanesulfonate	BRL	5.5		ug/L	337800	1	06/15/2022 20:14	YH
Methyl parathion	BRL	4.4		ug/L	337800	1	06/15/2022 20:14	YH
N-Nitrosodi-n-butylamine	BRL	3.5		ug/L	337800	1	06/15/2022 20:14	YH
N-Nitrosodi-n-propylamine	BRL	2.5		ug/L	337800	1	06/15/2022 20:14	YH
N-Nitrosodiethylamine	BRL	2.7		ug/L	337800	1	06/15/2022 20:14	YH
N-Nitrosodimethylamine	BRL	4.0		ug/L	337800	1	06/15/2022 20:14	YH
N-Nitrosodiphenylamine	BRL	2.4		ug/L	337800	1	06/15/2022 20:14	YH
N-Nitrosomethylethylamine	BRL	1.5		ug/L	337800	1	06/15/2022 20:14	YH
N-Nitrosopiperidine	BRL	2.3		ug/L	337800	1	06/15/2022 20:14	YH
N-Nitrosopyrrolidine	BRL	2.9		ug/L	337800	1	06/15/2022 20:14	YH
Nitrobenzene	BRL	2.5		ug/L	337800	1	06/15/2022 20:14	YH
O,O,O-Triethyl phosphorothioate	BRL	3.3		ug/L	337800	1	06/15/2022 20:14	YH
o-Toluidine	BRL	7.5		ug/L	337800	1	06/15/2022 20:14	YH
p-Phenylenediamine	BRL	5.7		ug/L	337800	1	06/15/2022 20:14	YH
Parathion	BRL	4.4		ug/L	337800	1	06/15/2022 20:14	YH
Pentachlorobenzene	BRL	3.8		ug/L	337800	1	06/15/2022 20:14	YH
Pentachloronitrobenzene	BRL	5.6		ug/L	337800	1	06/15/2022 20:14	YH
Phenacetin	BRL	6.0		ug/L	337800	1	06/15/2022 20:14	YH
Phenanthrene	BRL	2.9		ug/L	337800	1	06/15/2022 20:14	YH
Phenol	BRL	2.9		ug/L	337800	1	06/15/2022 20:14	YH
Phorate	BRL	3.5		ug/L	337800	1	06/15/2022 20:14	YH
Pronamide	BRL	7.0		ug/L	337800	1	06/15/2022 20:14	YH
Pyrene	BRL	2.9		ug/L	337800	1	06/15/2022 20:14	YH
Safrole	BRL	7.3		ug/L	337800	1	06/15/2022 20:14	YH
Thionazin	BRL	4.1		ug/L	337800	1	06/15/2022 20:14	YH
Surr: 2,4,6-Tribromophenol	119	46-135		%REC	337800	1	06/15/2022 20:14	YH
Surr: 2-Fluorobiphenyl	92.1	45-121		%REC	337800	1	06/15/2022 20:14	YH
Surr: 2-Fluorophenol	31.3	28.2-120		%REC	337800	1	06/15/2022 20:14	YH
Surr: 4-Terphenyl-d14	116	44-120		%REC	337800	1	06/15/2022 20:14	YH
Surr: Nitrobenzene-d5	87.8	41-123		%REC	337800	1	06/15/2022 20:14	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-14A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 11:05:00 AM
Lab ID: 2206E72-005	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E					(SW3510C)			
Surr: Phenol-d5	24.9	19.5-120		%REC	337800	1	06/15/2022 20:14	YH
POLYCHLORINATED BIPHENYLS SW8082A					(SW3510C)			
Aroclor 1016	BRL	2.5		ug/L	338111	5	06/17/2022 13:29	ST
Aroclor 1221	BRL	2.5		ug/L	338111	5	06/17/2022 13:29	ST
Aroclor 1232	BRL	2.5		ug/L	338111	5	06/17/2022 13:29	ST
Aroclor 1242	BRL	2.5		ug/L	338111	5	06/17/2022 13:29	ST
Aroclor 1248	BRL	2.5		ug/L	338111	5	06/17/2022 13:29	ST
Aroclor 1254	BRL	2.5		ug/L	338111	5	06/17/2022 13:29	ST
Aroclor 1260	BRL	2.5		ug/L	338111	5	06/17/2022 13:29	ST
Surr: Decachlorobiphenyl	93.7	30-120		%REC	338111	1	06/16/2022 20:29	ST
Surr: Tetrachloro-m-xylene	87.1	46.5-120		%REC	338111	1	06/16/2022 20:29	ST
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011					(SW8011)			
1,2-Dibromo-3-chloropropane	BRL	0.041		ug/L	338116	1	06/16/2022 14:56	UH
1,2-Dibromoethane	BRL	0.020		ug/L	338116	1	06/16/2022 14:56	UH
Surr: 4-Bromofluorobenzene	114	69.7-138		%REC	338116	1	06/16/2022 14:56	UH
Cyanide SW9014					(SW9010C)			
Cyanide, Total	BRL	0.010		mg/L	338141	1	06/17/2022 19:30	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B					(SW3510C)			
4,4'-DDD	BRL	0.10		ug/L	338037	1	06/16/2022 20:29	ST
4,4'-DDE	BRL	0.10		ug/L	338037	1	06/16/2022 20:29	ST
4,4'-DDT	BRL	0.10		ug/L	338037	1	06/16/2022 20:29	ST
Aldrin	BRL	0.050		ug/L	338037	1	06/16/2022 20:29	ST
alpha-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:29	ST
beta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:29	ST
Chlordane	BRL	2.5		ug/L	338037	5	06/17/2022 16:20	ST
delta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:29	ST
Dieldrin	BRL	0.10		ug/L	338037	1	06/16/2022 20:29	ST
Endosulfan I	BRL	0.050		ug/L	338037	1	06/16/2022 20:29	ST
Endosulfan II	BRL	0.10		ug/L	338037	1	06/16/2022 20:29	ST
Endosulfan sulfate	BRL	0.10		ug/L	338037	1	06/16/2022 20:29	ST
Endrin	BRL	0.10		ug/L	338037	1	06/16/2022 20:29	ST
Endrin aldehyde	BRL	0.10		ug/L	338037	1	06/16/2022 20:29	ST
gamma-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:29	ST
Heptachlor	BRL	0.050		ug/L	338037	1	06/16/2022 20:29	ST
Heptachlor epoxide	BRL	0.050		ug/L	338037	1	06/16/2022 20:29	ST
Methoxychlor	BRL	0.50		ug/L	338037	1	06/16/2022 20:29	ST
Toxaphene	BRL	15		ug/L	338037	5	06/17/2022 16:20	ST
Surr: Decachlorobiphenyl	87.4	27-130		%REC	338037	1	06/16/2022 20:29	ST
Surr: Tetrachloro-m-xylene	70.4	40.1-130		%REC	338037	1	06/16/2022 20:29	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A					(SW3510C)			

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-14A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 11:05:00 AM
Lab ID: 2206E72-005	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	338002	1	06/16/2022 20:10	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	338002	1	06/16/2022 20:10	UH
2,4-D	BRL	2.0		ug/L	338002	1	06/16/2022 20:10	UH
Dinoseb	BRL	5.0		ug/L	338002	1	06/16/2022 20:10	UH
Pentachlorophenol	BRL	1.0		ug/L	338002	1	06/16/2022 20:10	UH
Surr: DCAA	77.7	47-120		%REC	338002	1	06/16/2022 20:10	UH

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

Analytical Environmental Services, Inc.

Date: 08-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-005

Client Sample ID: GWC-14A
Collection Date: 6/9/2022 11:05:00 AM
Matrix: AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/24/2022 7:48 PM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/22/2022 4:33 PM
Surr: 4-Terphenyl-d14	82.7	65.5-137		%REC	338060	1	6/22/2022 4:33 PM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 1:00:00 PM
Lab ID: 2206E72-006	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	338346	1	06/17/2022 19:08	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
1,1-Dichloroethane	39	2.0		ug/L	338346	1	06/17/2022 19:08	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
1,1-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
1,3-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
1,3-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
2,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
2-Butanone	BRL	100		ug/L	338346	1	06/17/2022 19:08	CM
2-Hexanone	BRL	50		ug/L	338346	1	06/17/2022 19:08	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338346	1	06/17/2022 19:08	CM
Acetone	BRL	100		ug/L	338346	1	06/17/2022 19:08	CM
Acetonitrile	BRL	200		ug/L	338346	1	06/17/2022 19:08	CM
Acrolein	BRL	50		ug/L	338346	1	06/17/2022 19:08	CM
Acrylonitrile	BRL	50		ug/L	338346	1	06/17/2022 19:08	CM
Allyl Chloride	BRL	100		ug/L	338346	1	06/17/2022 19:08	CM
Benzene	4.2	2.0		ug/L	338346	1	06/17/2022 19:08	CM
Bromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Bromodichloromethane	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Bromoform	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Bromomethane	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Carbon disulfide	BRL	5.0		ug/L	338346	1	06/17/2022 19:08	CM
Carbon tetrachloride	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
Chlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Chloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
Chloroform	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
Chloromethane	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Chloroprene	BRL	20		ug/L	338346	1	06/17/2022 19:08	CM
cis-1,2-Dichloroethene	150	2.0		ug/L	338346	1	06/17/2022 19:08	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
Dibromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Dibromomethane	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Dichlorodifluoromethane	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Ethyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Ethylbenzene	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
Iodomethane	BRL	100		ug/L	338346	1	06/17/2022 19:08	CM
Isobutyl Alcohol	BRL	200		ug/L	338346	1	06/17/2022 19:08	CM

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: 2206E72-006

Client Sample ID: AMW-1
Collection Date: 6/9/2022 1:00:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Methyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Methylacrylonitrile	BRL	200		ug/L	338346	1	06/17/2022 19:08	CM
Methylene chloride	BRL	5.0		ug/L	338346	1	06/17/2022 19:08	CM
Naphthalene	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Propionitrile	BRL	100		ug/L	338346	1	06/17/2022 19:08	CM
Styrene	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Tetrachloroethene	42	2.0		ug/L	338346	1	06/17/2022 19:08	CM
Toluene	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338346	1	06/17/2022 19:08	CM
Trichloroethene	65	2.0		ug/L	338346	1	06/17/2022 19:08	CM
Trichlorofluoromethane	BRL	10		ug/L	338346	1	06/17/2022 19:08	CM
Vinyl acetate	BRL	100		ug/L	338346	1	06/17/2022 19:08	CM
Vinyl chloride	BRL	2.0		ug/L	338346	1	06/17/2022 19:08	CM
Xylenes, Total	BRL	5.0		ug/L	338346	1	06/17/2022 19:08	CM
Surr: 4-Bromofluorobenzene	87.9	75-118		%REC	338346	1	06/17/2022 19:08	CM
Surr: 4-Bromofluorobenzene	93	75-118		%REC	338346	1	06/17/2022 19:08	CM
Surr: Dibromofluoromethane	97.6	82.5-121		%REC	338346	1	06/17/2022 19:08	CM
Surr: Dibromofluoromethane	112	82.5-121		%REC	338346	1	06/17/2022 19:08	CM
Surr: Toluene-d8	97.1	78.3-118		%REC	338346	1	06/17/2022 19:08	CM
Surr: Toluene-d8	105	78.3-118		%REC	338346	1	06/17/2022 19:08	CM
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	337876	1	06/14/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	3.7		ug/L	337800	1	06/15/2022 20:40	YH
1,3,5-Trinitrobenzene	BRL	1.5		ug/L	337800	1	06/15/2022 20:40	YH
1,3-Dinitrobenzene	BRL	7.5		ug/L	337800	1	06/15/2022 20:40	YH
1,4-Napthoquinone	BRL	7.2		ug/L	337800	1	06/15/2022 20:40	YH
1-Naphthylamine	BRL	5.2		ug/L	337800	1	06/15/2022 20:40	YH
2,3,4,6-Tetrachlorophenol	BRL	4.0		ug/L	337800	1	06/15/2022 20:40	YH
2,4,5-Trichlorophenol	BRL	3.9		ug/L	337800	1	06/15/2022 20:40	YH
2,4,6-Trichlorophenol	BRL	3.4		ug/L	337800	1	06/15/2022 20:40	YH
2,4-Dichlorophenol	BRL	3.6		ug/L	337800	1	06/15/2022 20:40	YH
2,4-Dimethylphenol	BRL	3.8		ug/L	337800	1	06/15/2022 20:40	YH
2,4-Dinitrophenol	BRL	8.8		ug/L	337800	1	06/15/2022 20:40	YH
2,4-Dinitrotoluene	BRL	6.0		ug/L	337800	1	06/15/2022 20:40	YH
2,6-Dichlorophenol	BRL	5.9		ug/L	337800	1	06/15/2022 20:40	YH
2,6-Dinitrotoluene	BRL	5.3		ug/L	337800	1	06/15/2022 20:40	YH
2-Acetylaminofluorene	BRL	11		ug/L	337800	1	06/15/2022 20:40	YH
2-Chloronaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 20:40	YH
2-Chlorophenol	BRL	2.0		ug/L	337800	1	06/15/2022 20:40	YH
2-Methylnaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 20:40	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-006

Client Sample ID: AMW-1
Collection Date: 6/9/2022 1:00:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Methylphenol	BRL	3.1		ug/L	337800	1	06/15/2022 20:40	YH
2-Naphthylamine	BRL	4.3		ug/L	337800	1	06/15/2022 20:40	YH
2-Nitroaniline	BRL	3.6		ug/L	337800	1	06/15/2022 20:40	YH
2-Nitrophenol	BRL	2.5		ug/L	337800	1	06/15/2022 20:40	YH
3,3'-Dichlorobenzidine	BRL	3.7		ug/L	337800	1	06/15/2022 20:40	YH
3,3'-Dimethoxybenzidine	BRL	10	N	ug/L	337800	1	06/15/2022 20:40	YH
3,3'-Dimethylbenzidine	BRL	9.3		ug/L	337800	1	06/15/2022 20:40	YH
3,4-Methylphenol	BRL	3.3		ug/L	337800	1	06/15/2022 20:40	YH
3-Methylcholanthrene	BRL	8.1		ug/L	337800	1	06/15/2022 20:40	YH
3-Nitroaniline	BRL	4.3		ug/L	337800	1	06/15/2022 20:40	YH
4,6-Dinitro-2-methylphenol	BRL	14		ug/L	337800	1	06/15/2022 20:40	YH
4-Aminobiphenyl	BRL	4.8		ug/L	337800	1	06/15/2022 20:40	YH
4-Bromophenyl phenyl ether	BRL	3.9		ug/L	337800	1	06/15/2022 20:40	YH
4-Chloro-3-methylphenol	BRL	4.0		ug/L	337800	1	06/15/2022 20:40	YH
4-Chloroaniline	BRL	4.9		ug/L	337800	1	06/15/2022 20:40	YH
4-Chlorophenyl phenyl ether	BRL	3.0		ug/L	337800	1	06/15/2022 20:40	YH
4-Nitroaniline	BRL	5.1		ug/L	337800	1	06/15/2022 20:40	YH
4-Nitrophenol	BRL	5.8		ug/L	337800	1	06/15/2022 20:40	YH
5-Nitro-o-toluidine	BRL	4.9		ug/L	337800	1	06/15/2022 20:40	YH
7,12-Dimethylbenz(a)anthracene	BRL	7.0		ug/L	337800	1	06/15/2022 20:40	YH
Acenaphthene	BRL	2.5		ug/L	337800	1	06/15/2022 20:40	YH
Acenaphthylene	BRL	2.7		ug/L	337800	1	06/15/2022 20:40	YH
Acetophenone	BRL	4.0		ug/L	337800	1	06/15/2022 20:40	YH
Anthracene	BRL	2.9		ug/L	337800	1	06/15/2022 20:40	YH
Benz(a)anthracene	BRL	2.8		ug/L	337800	1	06/15/2022 20:40	YH
Benzo(b)fluoranthene	BRL	3.8		ug/L	337800	1	06/15/2022 20:40	YH
Benzo(g,h,i)perylene	BRL	4.2		ug/L	337800	1	06/15/2022 20:40	YH
Benzo(k)fluoranthene	BRL	3.6		ug/L	337800	1	06/15/2022 20:40	YH
Benzyl alcohol	BRL	3.8		ug/L	337800	1	06/15/2022 20:40	YH
Bis(2-chloroethoxy)methane	BRL	2.6		ug/L	337800	1	06/15/2022 20:40	YH
Bis(2-chloroethyl)ether	BRL	2.4		ug/L	337800	1	06/15/2022 20:40	YH
Bis(2-chloroisopropyl)ether	BRL	3.0		ug/L	337800	1	06/15/2022 20:40	YH
Bis(2-ethylhexyl)phthalate	BRL	4.4		ug/L	337800	1	06/15/2022 20:40	YH
Butyl benzyl phthalate	BRL	3.4		ug/L	337800	1	06/15/2022 20:40	YH
Chlorobenzilate	BRL	5.8		ug/L	337800	1	06/15/2022 20:40	YH
Chrysene	BRL	2.7		ug/L	337800	1	06/15/2022 20:40	YH
Di-n-butyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 20:40	YH
Di-n-octyl phthalate	BRL	9.3		ug/L	337800	1	06/15/2022 20:40	YH
Diallate	BRL	5.1		ug/L	337800	1	06/15/2022 20:40	YH
Dibenz(a,h)anthracene	BRL	4.5		ug/L	337800	1	06/15/2022 20:40	YH
Dibenzofuran	BRL	2.7		ug/L	337800	1	06/15/2022 20:40	YH
Diethyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 20:40	YH
Dimethoate	BRL	5.8		ug/L	337800	1	06/15/2022 20:40	YH
Dimethyl phthalate	BRL	2.8		ug/L	337800	1	06/15/2022 20:40	YH
Dimethylaminoazobenzene	BRL	3.5	N	ug/L	337800	1	06/15/2022 20:40	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: AMW-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 1:00:00 PM
Lab ID: 2206E72-006	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Disulfoton	BRL	5.7		ug/L	337800	1	06/15/2022 20:40	YH
Ethyl methanesulfonate	BRL	4.4		ug/L	337800	1	06/15/2022 20:40	YH
Famphur	BRL	3.4		ug/L	337800	1	06/15/2022 20:40	YH
Fluoranthene	BRL	3.0		ug/L	337800	1	06/15/2022 20:40	YH
Fluorene	BRL	2.7		ug/L	337800	1	06/15/2022 20:40	YH
Hexachlorobutadiene	BRL	4.2		ug/L	337800	1	06/15/2022 20:40	YH
Hexachlorocyclopentadiene	BRL	8.4		ug/L	337800	1	06/15/2022 20:40	YH
Hexachloroethane	BRL	3.1		ug/L	337800	1	06/15/2022 20:40	YH
Hexachloropropene	BRL	7.4		ug/L	337800	1	06/15/2022 20:40	YH
Indeno(1,2,3-cd)pyrene	BRL	4.2		ug/L	337800	1	06/15/2022 20:40	YH
Isodrin	BRL	5.4		ug/L	337800	1	06/15/2022 20:40	YH
Isophorone	BRL	3.5		ug/L	337800	1	06/15/2022 20:40	YH
Isosafrole	BRL	6.5		ug/L	337800	1	06/15/2022 20:40	YH
Kepone	BRL	5.4		ug/L	337800	1	06/15/2022 20:40	YH
Methapyrilene	BRL	8.0		ug/L	337800	1	06/15/2022 20:40	YH
Methyl methanesulfonate	BRL	5.5		ug/L	337800	1	06/15/2022 20:40	YH
Methyl parathion	BRL	4.4		ug/L	337800	1	06/15/2022 20:40	YH
N-Nitrosodi-n-butylamine	BRL	3.5		ug/L	337800	1	06/15/2022 20:40	YH
N-Nitrosodi-n-propylamine	BRL	2.5		ug/L	337800	1	06/15/2022 20:40	YH
N-Nitrosodiethylamine	BRL	2.7		ug/L	337800	1	06/15/2022 20:40	YH
N-Nitrosodimethylamine	BRL	4.0		ug/L	337800	1	06/15/2022 20:40	YH
N-Nitrosodiphenylamine	BRL	2.4		ug/L	337800	1	06/15/2022 20:40	YH
N-Nitrosomethylethylamine	BRL	1.5		ug/L	337800	1	06/15/2022 20:40	YH
N-Nitrosopiperidine	BRL	2.3		ug/L	337800	1	06/15/2022 20:40	YH
N-Nitrosopyrrolidine	BRL	2.9		ug/L	337800	1	06/15/2022 20:40	YH
Nitrobenzene	BRL	2.5		ug/L	337800	1	06/15/2022 20:40	YH
O,O,O-Triethyl phosphorothioate	BRL	3.3		ug/L	337800	1	06/15/2022 20:40	YH
o-Toluidine	BRL	7.5		ug/L	337800	1	06/15/2022 20:40	YH
p-Phenylenediamine	BRL	5.7		ug/L	337800	1	06/15/2022 20:40	YH
Parathion	BRL	4.4		ug/L	337800	1	06/15/2022 20:40	YH
Pentachlorobenzene	BRL	3.8		ug/L	337800	1	06/15/2022 20:40	YH
Pentachloronitrobenzene	BRL	5.6		ug/L	337800	1	06/15/2022 20:40	YH
Phenacetin	BRL	6.0		ug/L	337800	1	06/15/2022 20:40	YH
Phenanthrene	BRL	2.9		ug/L	337800	1	06/15/2022 20:40	YH
Phenol	BRL	2.9		ug/L	337800	1	06/15/2022 20:40	YH
Phorate	BRL	3.5		ug/L	337800	1	06/15/2022 20:40	YH
Pronamide	BRL	7.0		ug/L	337800	1	06/15/2022 20:40	YH
Pyrene	BRL	2.9		ug/L	337800	1	06/15/2022 20:40	YH
Safrole	BRL	7.3		ug/L	337800	1	06/15/2022 20:40	YH
Thionazin	BRL	4.1		ug/L	337800	1	06/15/2022 20:40	YH
Surr: 2,4,6-Tribromophenol	98.6	46-135		%REC	337800	1	06/15/2022 20:40	YH
Surr: 2-Fluorobiphenyl	93.9	45-121		%REC	337800	1	06/15/2022 20:40	YH
Surr: 2-Fluorophenol	20.6	28.2-120	S	%REC	337800	1	06/15/2022 20:40	YH
Surr: 4-Terphenyl-d14	107	44-120		%REC	337800	1	06/15/2022 20:40	YH
Surr: Nitrobenzene-d5	86.4	41-123		%REC	337800	1	06/15/2022 20:40	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: 2206E72-006

Client Sample ID: AMW-1
Collection Date: 6/9/2022 1:00:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E								
					(SW3510C)			
Surr: Phenol-d5	18.7	19.5-120	S	%REC	337800	1	06/15/2022 20:40	YH
POLYCHLORINATED BIPHENYLS SW8082A								
					(SW3510C)			
Aroclor 1016	BRL	0.50		ug/L	338111	1	06/16/2022 20:40	ST
Aroclor 1221	BRL	0.50		ug/L	338111	1	06/16/2022 20:40	ST
Aroclor 1232	BRL	0.50		ug/L	338111	1	06/16/2022 20:40	ST
Aroclor 1242	BRL	0.50		ug/L	338111	1	06/16/2022 20:40	ST
Aroclor 1248	BRL	0.50		ug/L	338111	1	06/16/2022 20:40	ST
Aroclor 1254	BRL	0.50		ug/L	338111	1	06/16/2022 20:40	ST
Aroclor 1260	BRL	0.50		ug/L	338111	1	06/16/2022 20:40	ST
Surr: Decachlorobiphenyl	101	30-120		%REC	338111	1	06/16/2022 20:40	ST
Surr: Tetrachloro-m-xylene	93	46.5-120		%REC	338111	1	06/16/2022 20:40	ST
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011								
					(SW8011)			
1,2-Dibromo-3-chloropropane	BRL	0.041		ug/L	338116	1	06/16/2022 15:13	UH
1,2-Dibromoethane	BRL	0.020		ug/L	338116	1	06/16/2022 15:13	UH
Surr: 4-Bromofluorobenzene	95	69.7-138		%REC	338116	1	06/16/2022 15:13	UH
Mercury, Total SW7470A								
					(SW7470A)			
Mercury	BRL	0.00050		mg/L	338886	1	06/30/2022 16:45	GR
Cyanide SW9014								
					(SW9010C)			
Cyanide, Total	BRL	0.010		mg/L	338141	1	06/17/2022 19:32	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B								
					(SW3510C)			
4,4'-DDD	BRL	0.10		ug/L	338037	1	06/16/2022 20:40	ST
4,4'-DDE	BRL	0.10		ug/L	338037	1	06/16/2022 20:40	ST
4,4'-DDT	BRL	0.10		ug/L	338037	1	06/16/2022 20:40	ST
Aldrin	BRL	0.050		ug/L	338037	1	06/16/2022 20:40	ST
alpha-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:40	ST
beta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:40	ST
Chlordane	BRL	0.50		ug/L	338037	1	06/16/2022 20:40	ST
delta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:40	ST
Dieldrin	BRL	0.10		ug/L	338037	1	06/16/2022 20:40	ST
Endosulfan I	BRL	0.050		ug/L	338037	1	06/16/2022 20:40	ST
Endosulfan II	BRL	0.10		ug/L	338037	1	06/16/2022 20:40	ST
Endosulfan sulfate	BRL	0.10		ug/L	338037	1	06/16/2022 20:40	ST
Endrin	BRL	0.10		ug/L	338037	1	06/16/2022 20:40	ST
Endrin aldehyde	BRL	0.10		ug/L	338037	1	06/16/2022 20:40	ST
gamma-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:40	ST
Heptachlor	BRL	0.050		ug/L	338037	1	06/16/2022 20:40	ST
Heptachlor epoxide	BRL	0.050		ug/L	338037	1	06/16/2022 20:40	ST
Methoxychlor	BRL	0.50		ug/L	338037	1	06/16/2022 20:40	ST
Toxaphene	BRL	3.0		ug/L	338037	1	06/16/2022 20:40	ST
Surr: Decachlorobiphenyl	94.7	27-130		%REC	338037	1	06/16/2022 20:40	ST

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-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 1:00:00 PM
Lab ID: 2206E72-006	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B				(SW3510C)				
Surr: Tetrachloro-m-xylene	94.8	40.1-130		%REC	338037	1	06/16/2022 20:40	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	338002	1	06/16/2022 20:30	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	338002	1	06/16/2022 20:30	UH
2,4-D	BRL	2.0		ug/L	338002	1	06/16/2022 20:30	UH
Dinoseb	BRL	5.0		ug/L	338002	1	06/16/2022 20:30	UH
Pentachlorophenol	BRL	1.0		ug/L	338002	1	06/16/2022 20:30	UH
Surr: DCAA	76.8	47-120		%REC	338002	1	06/16/2022 20:30	UH
APPENDIX II METALS SW6020B				(SW3005A)				
Antimony	BRL	0.00600		mg/L	338047	1	06/16/2022 19:52	JM
Arsenic	BRL	0.0100		mg/L	338047	1	06/16/2022 19:52	JM
Barium	0.0708	0.0200		mg/L	338047	1	06/16/2022 19:52	JM
Beryllium	BRL	0.00300		mg/L	338047	1	06/16/2022 19:52	JM
Cadmium	BRL	0.00500		mg/L	338047	1	06/16/2022 19:52	JM
Chromium	BRL	0.0100		mg/L	338047	1	06/16/2022 19:52	JM
Cobalt	BRL	0.0400		mg/L	338047	1	06/16/2022 19:52	JM
Copper	BRL	0.0200		mg/L	338047	1	06/16/2022 19:52	JM
Lead	BRL	0.0150		mg/L	338047	1	06/16/2022 19:52	JM
Nickel	BRL	0.0200		mg/L	338047	1	06/16/2022 19:52	JM
Selenium	BRL	0.0100		mg/L	338047	1	06/16/2022 19:52	JM
Silver	BRL	0.0100		mg/L	338047	1	06/16/2022 19:52	JM
Thallium	BRL	0.00200		mg/L	338047	1	06/16/2022 19:52	JM
Tin	BRL	0.0400		mg/L	338047	1	06/16/2022 19:52	JM
Vanadium	BRL	0.0200		mg/L	338047	1	06/16/2022 19:52	JM
Zinc	0.0249	0.0200		mg/L	338047	1	06/16/2022 19:52	JM

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

Analytical Environmental Services, Inc.

Date: 08-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-006

Client Sample ID: AMW-1
Collection Date: 6/9/2022 1:00:00 PM
Matrix: AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/24/2022 8:11 PM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/22/2022 4:59 PM
Surr: 4-Terphenyl-d14	92.2	65.5-137		%REC	338060	1	6/22/2022 4:59 PM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-8R
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 2:45:00 PM
Lab ID: 2206E72-007	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	338346	1	06/17/2022 19:32	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
1,1-Dichloroethane	8.8	2.0		ug/L	338346	1	06/17/2022 19:32	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
1,1-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
1,3-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
1,3-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
2,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
2-Butanone	BRL	100		ug/L	338346	1	06/17/2022 19:32	CM
2-Hexanone	BRL	50		ug/L	338346	1	06/17/2022 19:32	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338346	1	06/17/2022 19:32	CM
Acetone	BRL	100		ug/L	338346	1	06/17/2022 19:32	CM
Acetonitrile	BRL	200		ug/L	338346	1	06/17/2022 19:32	CM
Acrolein	BRL	50		ug/L	338346	1	06/17/2022 19:32	CM
Acrylonitrile	BRL	50		ug/L	338346	1	06/17/2022 19:32	CM
Allyl Chloride	BRL	100		ug/L	338346	1	06/17/2022 19:32	CM
Benzene	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
Bromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Bromodichloromethane	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Bromoform	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Bromomethane	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Carbon disulfide	BRL	5.0		ug/L	338346	1	06/17/2022 19:32	CM
Carbon tetrachloride	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
Chlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Chloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
Chloroform	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
Chloromethane	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Chloroprene	BRL	20		ug/L	338346	1	06/17/2022 19:32	CM
cis-1,2-Dichloroethene	24	2.0		ug/L	338346	1	06/17/2022 19:32	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
Dibromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Dibromomethane	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Dichlorodifluoromethane	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Ethyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Ethylbenzene	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
Iodomethane	BRL	100		ug/L	338346	1	06/17/2022 19:32	CM
Isobutyl Alcohol	BRL	200		ug/L	338346	1	06/17/2022 19:32	CM

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: 2206E72-007

Client Sample ID: GWC-8R
Collection Date: 6/9/2022 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)			
Methyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Methylacrylonitrile	BRL	200		ug/L	338346	1	06/17/2022 19:32	CM
Methylene chloride	BRL	5.0		ug/L	338346	1	06/17/2022 19:32	CM
Naphthalene	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Propionitrile	BRL	100		ug/L	338346	1	06/17/2022 19:32	CM
Styrene	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Tetrachloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
Toluene	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338346	1	06/17/2022 19:32	CM
Trichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
Trichlorofluoromethane	BRL	10		ug/L	338346	1	06/17/2022 19:32	CM
Vinyl acetate	BRL	100		ug/L	338346	1	06/17/2022 19:32	CM
Vinyl chloride	BRL	2.0		ug/L	338346	1	06/17/2022 19:32	CM
Xylenes, Total	BRL	5.0		ug/L	338346	1	06/17/2022 19:32	CM
Surr: 4-Bromofluorobenzene	87.9	75-118		%REC	338346	1	06/17/2022 19:32	CM
Surr: 4-Bromofluorobenzene	93.2	75-118		%REC	338346	1	06/17/2022 19:32	CM
Surr: Dibromofluoromethane	97.5	82.5-121		%REC	338346	1	06/17/2022 19:32	CM
Surr: Dibromofluoromethane	112	82.5-121		%REC	338346	1	06/17/2022 19:32	CM
Surr: Toluene-d8	96.2	78.3-118		%REC	338346	1	06/17/2022 19:32	CM
Surr: Toluene-d8	105	78.3-118		%REC	338346	1	06/17/2022 19:32	CM
Sulfide by SW9030B/9034					(SW9030B)			
Sulfide	BRL	2.00		mg/L	337876	1	06/14/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS		SW8270E			(SW3510C)			
1,2,4,5-Tetrachlorobenzene	BRL	3.7		ug/L	337800	1	06/15/2022 21:07	YH
1,3,5-Trinitrobenzene	BRL	1.5		ug/L	337800	1	06/15/2022 21:07	YH
1,3-Dinitrobenzene	BRL	7.5		ug/L	337800	1	06/15/2022 21:07	YH
1,4-Napthoquinone	BRL	7.2		ug/L	337800	1	06/15/2022 21:07	YH
1-Naphthylamine	BRL	5.2		ug/L	337800	1	06/15/2022 21:07	YH
2,3,4,6-Tetrachlorophenol	BRL	4.0		ug/L	337800	1	06/15/2022 21:07	YH
2,4,5-Trichlorophenol	BRL	3.9		ug/L	337800	1	06/15/2022 21:07	YH
2,4,6-Trichlorophenol	BRL	3.4		ug/L	337800	1	06/15/2022 21:07	YH
2,4-Dichlorophenol	BRL	3.6		ug/L	337800	1	06/15/2022 21:07	YH
2,4-Dimethylphenol	BRL	3.8		ug/L	337800	1	06/15/2022 21:07	YH
2,4-Dinitrophenol	BRL	8.8		ug/L	337800	1	06/15/2022 21:07	YH
2,4-Dinitrotoluene	BRL	6.0		ug/L	337800	1	06/15/2022 21:07	YH
2,6-Dichlorophenol	BRL	5.9		ug/L	337800	1	06/15/2022 21:07	YH
2,6-Dinitrotoluene	BRL	5.3		ug/L	337800	1	06/15/2022 21:07	YH
2-Acetylaminofluorene	BRL	11		ug/L	337800	1	06/15/2022 21:07	YH
2-Chloronaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 21:07	YH
2-Chlorophenol	BRL	2.0		ug/L	337800	1	06/15/2022 21:07	YH
2-Methylnaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 21:07	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-007

Client Sample ID: GWC-8R
Collection Date: 6/9/2022 2:45:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Methylphenol	BRL	3.1		ug/L	337800	1	06/15/2022 21:07	YH
2-Naphthylamine	BRL	4.3		ug/L	337800	1	06/15/2022 21:07	YH
2-Nitroaniline	BRL	3.6		ug/L	337800	1	06/15/2022 21:07	YH
2-Nitrophenol	BRL	2.5		ug/L	337800	1	06/15/2022 21:07	YH
3,3'-Dichlorobenzidine	BRL	3.7		ug/L	337800	1	06/15/2022 21:07	YH
3,3'-Dimethoxybenzidine	BRL	10	N	ug/L	337800	1	06/15/2022 21:07	YH
3,3'-Dimethylbenzidine	BRL	9.3		ug/L	337800	1	06/15/2022 21:07	YH
3,4-Methylphenol	BRL	3.3		ug/L	337800	1	06/15/2022 21:07	YH
3-Methylcholanthrene	BRL	8.1		ug/L	337800	1	06/15/2022 21:07	YH
3-Nitroaniline	BRL	4.3		ug/L	337800	1	06/15/2022 21:07	YH
4,6-Dinitro-2-methylphenol	BRL	14		ug/L	337800	1	06/15/2022 21:07	YH
4-Aminobiphenyl	BRL	4.8		ug/L	337800	1	06/15/2022 21:07	YH
4-Bromophenyl phenyl ether	BRL	3.9		ug/L	337800	1	06/15/2022 21:07	YH
4-Chloro-3-methylphenol	BRL	4.0		ug/L	337800	1	06/15/2022 21:07	YH
4-Chloroaniline	BRL	4.9		ug/L	337800	1	06/15/2022 21:07	YH
4-Chlorophenyl phenyl ether	BRL	3.0		ug/L	337800	1	06/15/2022 21:07	YH
4-Nitroaniline	BRL	5.1		ug/L	337800	1	06/15/2022 21:07	YH
4-Nitrophenol	BRL	5.8		ug/L	337800	1	06/15/2022 21:07	YH
5-Nitro-o-toluidine	BRL	4.9		ug/L	337800	1	06/15/2022 21:07	YH
7,12-Dimethylbenz(a)anthracene	BRL	7.0		ug/L	337800	1	06/15/2022 21:07	YH
Acenaphthene	BRL	2.5		ug/L	337800	1	06/15/2022 21:07	YH
Acenaphthylene	BRL	2.7		ug/L	337800	1	06/15/2022 21:07	YH
Acetophenone	BRL	4.0		ug/L	337800	1	06/15/2022 21:07	YH
Anthracene	BRL	2.9		ug/L	337800	1	06/15/2022 21:07	YH
Benz(a)anthracene	BRL	2.8		ug/L	337800	1	06/15/2022 21:07	YH
Benzo(b)fluoranthene	BRL	3.8		ug/L	337800	1	06/15/2022 21:07	YH
Benzo(g,h,i)perylene	BRL	4.2		ug/L	337800	1	06/15/2022 21:07	YH
Benzo(k)fluoranthene	BRL	3.6		ug/L	337800	1	06/15/2022 21:07	YH
Benzyl alcohol	BRL	3.8		ug/L	337800	1	06/15/2022 21:07	YH
Bis(2-chloroethoxy)methane	BRL	2.6		ug/L	337800	1	06/15/2022 21:07	YH
Bis(2-chloroethyl)ether	BRL	2.4		ug/L	337800	1	06/15/2022 21:07	YH
Bis(2-chloroisopropyl)ether	BRL	3.0		ug/L	337800	1	06/15/2022 21:07	YH
Bis(2-ethylhexyl)phthalate	BRL	4.4		ug/L	337800	1	06/15/2022 21:07	YH
Butyl benzyl phthalate	BRL	3.4		ug/L	337800	1	06/15/2022 21:07	YH
Chlorobenzilate	BRL	5.8		ug/L	337800	1	06/15/2022 21:07	YH
Chrysene	BRL	2.7		ug/L	337800	1	06/15/2022 21:07	YH
Di-n-butyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 21:07	YH
Di-n-octyl phthalate	BRL	9.3		ug/L	337800	1	06/15/2022 21:07	YH
Diallylate	BRL	5.1		ug/L	337800	1	06/15/2022 21:07	YH
Dibenz(a,h)anthracene	BRL	4.5		ug/L	337800	1	06/15/2022 21:07	YH
Dibenzofuran	BRL	2.7		ug/L	337800	1	06/15/2022 21:07	YH
Diethyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 21:07	YH
Dimethoate	BRL	5.8		ug/L	337800	1	06/15/2022 21:07	YH
Dimethyl phthalate	BRL	2.8		ug/L	337800	1	06/15/2022 21:07	YH
Dimethylaminoazobenzene	BRL	3.5	N	ug/L	337800	1	06/15/2022 21:07	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: 6/9/2022 2:45:00 PM
Lab ID: 2206E72-007	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Disulfoton	BRL	5.7		ug/L	337800	1	06/15/2022 21:07	YH
Ethyl methanesulfonate	BRL	4.4		ug/L	337800	1	06/15/2022 21:07	YH
Famphur	BRL	3.4		ug/L	337800	1	06/15/2022 21:07	YH
Fluoranthene	BRL	3.0		ug/L	337800	1	06/15/2022 21:07	YH
Fluorene	BRL	2.7		ug/L	337800	1	06/15/2022 21:07	YH
Hexachlorobutadiene	BRL	4.2		ug/L	337800	1	06/15/2022 21:07	YH
Hexachlorocyclopentadiene	BRL	8.4		ug/L	337800	1	06/15/2022 21:07	YH
Hexachloroethane	BRL	3.1		ug/L	337800	1	06/15/2022 21:07	YH
Hexachloropropene	BRL	7.4		ug/L	337800	1	06/15/2022 21:07	YH
Indeno(1,2,3-cd)pyrene	BRL	4.2		ug/L	337800	1	06/15/2022 21:07	YH
Isodrin	BRL	5.4		ug/L	337800	1	06/15/2022 21:07	YH
Isophorone	BRL	3.5		ug/L	337800	1	06/15/2022 21:07	YH
Isosafrole	BRL	6.5		ug/L	337800	1	06/15/2022 21:07	YH
Kepone	BRL	5.4		ug/L	337800	1	06/15/2022 21:07	YH
Methapyrilene	BRL	8.0		ug/L	337800	1	06/15/2022 21:07	YH
Methyl methanesulfonate	BRL	5.5		ug/L	337800	1	06/15/2022 21:07	YH
Methyl parathion	BRL	4.4		ug/L	337800	1	06/15/2022 21:07	YH
N-Nitrosodi-n-butylamine	BRL	3.5		ug/L	337800	1	06/15/2022 21:07	YH
N-Nitrosodi-n-propylamine	BRL	2.5		ug/L	337800	1	06/15/2022 21:07	YH
N-Nitrosodiethylamine	BRL	2.7		ug/L	337800	1	06/15/2022 21:07	YH
N-Nitrosodimethylamine	BRL	4.0		ug/L	337800	1	06/15/2022 21:07	YH
N-Nitrosodiphenylamine	BRL	2.4		ug/L	337800	1	06/15/2022 21:07	YH
N-Nitrosomethylethylamine	BRL	1.5		ug/L	337800	1	06/15/2022 21:07	YH
N-Nitrosopiperidine	BRL	2.3		ug/L	337800	1	06/15/2022 21:07	YH
N-Nitrosopyrrolidine	BRL	2.9		ug/L	337800	1	06/15/2022 21:07	YH
Nitrobenzene	BRL	2.5		ug/L	337800	1	06/15/2022 21:07	YH
O,O,O-Triethyl phosphorothioate	BRL	3.3		ug/L	337800	1	06/15/2022 21:07	YH
o-Toluidine	BRL	7.5		ug/L	337800	1	06/15/2022 21:07	YH
p-Phenylenediamine	BRL	5.7		ug/L	337800	1	06/15/2022 21:07	YH
Parathion	BRL	4.4		ug/L	337800	1	06/15/2022 21:07	YH
Pentachlorobenzene	BRL	3.8		ug/L	337800	1	06/15/2022 21:07	YH
Pentachloronitrobenzene	BRL	5.6		ug/L	337800	1	06/15/2022 21:07	YH
Phenacetin	BRL	6.0		ug/L	337800	1	06/15/2022 21:07	YH
Phenanthrene	BRL	2.9		ug/L	337800	1	06/15/2022 21:07	YH
Phenol	BRL	2.9		ug/L	337800	1	06/15/2022 21:07	YH
Phorate	BRL	3.5		ug/L	337800	1	06/15/2022 21:07	YH
Pronamide	BRL	7.0		ug/L	337800	1	06/15/2022 21:07	YH
Pyrene	BRL	2.9		ug/L	337800	1	06/15/2022 21:07	YH
Safrole	BRL	7.3		ug/L	337800	1	06/15/2022 21:07	YH
Thionazin	BRL	4.1		ug/L	337800	1	06/15/2022 21:07	YH
Surr: 2,4,6-Tribromophenol	104	46-135		%REC	337800	1	06/15/2022 21:07	YH
Surr: 2-Fluorobiphenyl	109	45-121		%REC	337800	1	06/15/2022 21:07	YH
Surr: 2-Fluorophenol	34.6	28.2-120		%REC	337800	1	06/15/2022 21:07	YH
Surr: 4-Terphenyl-d14	142	44-120	S	%REC	337800	1	06/15/2022 21:07	YH
Surr: Nitrobenzene-d5	98.4	41-123		%REC	337800	1	06/15/2022 21:07	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: 2206E72-007

Client Sample ID: GWC-8R
Collection Date: 6/9/2022 2:45:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E								
					(SW3510C)			
Surr: Phenol-d5	31	19.5-120		%REC	337800	1	06/15/2022 21:07	YH
POLYCHLORINATED BIPHENYLS SW8082A								
					(SW3510C)			
Aroclor 1016	BRL	0.50		ug/L	338111	1	06/16/2022 20:51	ST
Aroclor 1221	BRL	0.50		ug/L	338111	1	06/16/2022 20:51	ST
Aroclor 1232	BRL	0.50		ug/L	338111	1	06/16/2022 20:51	ST
Aroclor 1242	BRL	0.50		ug/L	338111	1	06/16/2022 20:51	ST
Aroclor 1248	BRL	0.50		ug/L	338111	1	06/16/2022 20:51	ST
Aroclor 1254	BRL	0.50		ug/L	338111	1	06/16/2022 20:51	ST
Aroclor 1260	BRL	0.50		ug/L	338111	1	06/16/2022 20:51	ST
Surr: Decachlorobiphenyl	33.3	30-120		%REC	338111	1	06/16/2022 20:51	ST
Surr: Tetrachloro-m-xylene	29.7	46.5-120	S	%REC	338111	1	06/16/2022 20:51	ST
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011								
					(SW8011)			
1,2-Dibromo-3-chloropropane	BRL	0.040		ug/L	338116	1	06/16/2022 15:30	UH
1,2-Dibromoethane	BRL	0.020		ug/L	338116	1	06/16/2022 15:30	UH
Surr: 4-Bromofluorobenzene	106	69.7-138		%REC	338116	1	06/16/2022 15:30	UH
Mercury, Total SW7470A								
					(SW7470A)			
Mercury	BRL	0.00050		mg/L	338886	1	06/30/2022 16:49	GR
Cyanide SW9014								
					(SW9010C)			
Cyanide, Total	BRL	0.010		mg/L	338141	1	06/17/2022 19:36	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B								
					(SW3510C)			
4,4'-DDD	BRL	0.10		ug/L	338037	1	06/16/2022 20:51	ST
4,4'-DDE	BRL	0.10		ug/L	338037	1	06/16/2022 20:51	ST
4,4'-DDT	BRL	0.10		ug/L	338037	1	06/16/2022 20:51	ST
Aldrin	BRL	0.050		ug/L	338037	1	06/16/2022 20:51	ST
alpha-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:51	ST
beta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:51	ST
Chlordane	BRL	0.50		ug/L	338037	1	06/16/2022 20:51	ST
delta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:51	ST
Dieldrin	BRL	0.10		ug/L	338037	1	06/16/2022 20:51	ST
Endosulfan I	BRL	0.050		ug/L	338037	1	06/16/2022 20:51	ST
Endosulfan II	BRL	0.10		ug/L	338037	1	06/16/2022 20:51	ST
Endosulfan sulfate	BRL	0.10		ug/L	338037	1	06/16/2022 20:51	ST
Endrin	BRL	0.10		ug/L	338037	1	06/16/2022 20:51	ST
Endrin aldehyde	BRL	0.10		ug/L	338037	1	06/16/2022 20:51	ST
gamma-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:51	ST
Heptachlor	BRL	0.050		ug/L	338037	1	06/16/2022 20:51	ST
Heptachlor epoxide	BRL	0.050		ug/L	338037	1	06/16/2022 20:51	ST
Methoxychlor	BRL	0.50		ug/L	338037	1	06/16/2022 20:51	ST
Toxaphene	BRL	3.0		ug/L	338037	1	06/16/2022 20:51	ST
Surr: Decachlorobiphenyl	31.2	27-130		%REC	338037	1	06/16/2022 20:51	ST

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: 6/9/2022 2:45:00 PM
Lab ID: 2206E72-007	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B					(SW3510C)			
Surr: Tetrachloro-m-xylene	26.5	40.1-130	S	%REC	338037	1	06/16/2022 20:51	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A					(SW3510C)			
2,4,5-T	BRL	2.0		ug/L	338002	1	06/16/2022 20:51	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	338002	1	06/16/2022 20:51	UH
2,4-D	BRL	2.0		ug/L	338002	1	06/16/2022 20:51	UH
Dinoseb	BRL	5.0		ug/L	338002	1	06/16/2022 20:51	UH
Pentachlorophenol	BRL	1.0		ug/L	338002	1	06/16/2022 20:51	UH
Surr: DCAA	71.7	47-120		%REC	338002	1	06/16/2022 20:51	UH
APPENDIX II METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	338047	1	06/16/2022 19:55	JM
Arsenic	BRL	0.0100		mg/L	338047	1	06/16/2022 19:55	JM
Barium	0.0358	0.0200		mg/L	338047	1	06/16/2022 19:55	JM
Beryllium	BRL	0.00300		mg/L	338047	1	06/16/2022 19:55	JM
Cadmium	BRL	0.00500		mg/L	338047	1	06/16/2022 19:55	JM
Chromium	BRL	0.0100		mg/L	338047	1	06/16/2022 19:55	JM
Cobalt	BRL	0.0400		mg/L	338047	1	06/16/2022 19:55	JM
Copper	BRL	0.0200		mg/L	338047	1	06/16/2022 19:55	JM
Lead	BRL	0.0150		mg/L	338047	1	06/16/2022 19:55	JM
Nickel	BRL	0.0200		mg/L	338047	1	06/16/2022 19:55	JM
Selenium	BRL	0.0100		mg/L	338047	1	06/16/2022 19:55	JM
Silver	BRL	0.0100		mg/L	338047	1	06/16/2022 19:55	JM
Thallium	BRL	0.00200		mg/L	338047	1	06/16/2022 19:55	JM
Tin	BRL	0.0400		mg/L	338047	1	06/16/2022 19:55	JM
Vanadium	BRL	0.0200		mg/L	338047	1	06/16/2022 19:55	JM
Zinc	0.0246	0.0200		mg/L	338047	1	06/16/2022 19:55	JM

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

Analytical Environmental Services, Inc.

Date: 08-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-007

Client Sample ID: GWC-8R
Collection Date: 6/9/2022 2:45:00 PM
Matrix: AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/24/2022 8:35 PM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/22/2022 5:25 PM
Surr: 4-Terphenyl-d14	101	65.5-137		%REC	338060	1	6/22/2022 5:25 PM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-008

Client Sample ID: GWC-8A
Collection Date: 6/9/2022 2:35:00 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	338346	1	06/17/2022 15:52	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
1,1-Dichloroethane	2.1	2.0		ug/L	338346	1	06/17/2022 15:52	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
1,1-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
1,3-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
1,3-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
2,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
2-Butanone	BRL	100		ug/L	338346	1	06/17/2022 15:52	CM
2-Hexanone	BRL	50		ug/L	338346	1	06/17/2022 15:52	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338346	1	06/17/2022 15:52	CM
Acetone	BRL	100		ug/L	338346	1	06/17/2022 15:52	CM
Acetonitrile	BRL	200		ug/L	338346	1	06/17/2022 15:52	CM
Acrolein	BRL	50		ug/L	338346	1	06/17/2022 15:52	CM
Acrylonitrile	BRL	50		ug/L	338346	1	06/17/2022 15:52	CM
Allyl Chloride	BRL	100		ug/L	338346	1	06/17/2022 15:52	CM
Benzene	2.0	2.0		ug/L	338346	1	06/17/2022 15:52	CM
Bromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Bromodichloromethane	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Bromoform	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Bromomethane	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Carbon disulfide	BRL	5.0		ug/L	338346	1	06/17/2022 15:52	CM
Carbon tetrachloride	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
Chlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Chloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
Chloroform	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
Chloromethane	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Chloroprene	BRL	20		ug/L	338346	1	06/17/2022 15:52	CM
cis-1,2-Dichloroethene	27	2.0		ug/L	338346	1	06/17/2022 15:52	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
Dibromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Dibromomethane	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Dichlorodifluoromethane	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Ethyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Ethylbenzene	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
Iodomethane	BRL	100		ug/L	338346	1	06/17/2022 15:52	CM
Isobutyl Alcohol	BRL	200		ug/L	338346	1	06/17/2022 15:52	CM

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: 2206E72-008

Client Sample ID: GWC-8A
Collection Date: 6/9/2022 2:35:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Methyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Methylacrylonitrile	BRL	200		ug/L	338346	1	06/17/2022 15:52	CM
Methylene chloride	BRL	5.0		ug/L	338346	1	06/17/2022 15:52	CM
Naphthalene	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Propionitrile	BRL	100		ug/L	338346	1	06/17/2022 15:52	CM
Styrene	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Tetrachloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
Toluene	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338346	1	06/17/2022 15:52	CM
Trichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
Trichlorofluoromethane	BRL	10		ug/L	338346	1	06/17/2022 15:52	CM
Vinyl acetate	BRL	100		ug/L	338346	1	06/17/2022 15:52	CM
Vinyl chloride	BRL	2.0		ug/L	338346	1	06/17/2022 15:52	CM
Xylenes, Total	BRL	5.0		ug/L	338346	1	06/17/2022 15:52	CM
Surr: 4-Bromofluorobenzene	89.8	75-118		%REC	338346	1	06/17/2022 15:52	CM
Surr: 4-Bromofluorobenzene	95.2	75-118		%REC	338346	1	06/17/2022 15:52	CM
Surr: Dibromofluoromethane	96.4	82.5-121		%REC	338346	1	06/17/2022 15:52	CM
Surr: Dibromofluoromethane	111	82.5-121		%REC	338346	1	06/17/2022 15:52	CM
Surr: Toluene-d8	96.2	78.3-118		%REC	338346	1	06/17/2022 15:52	CM
Surr: Toluene-d8	105	78.3-118		%REC	338346	1	06/17/2022 15:52	CM
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	337876	1	06/14/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	3.7		ug/L	337800	1	06/15/2022 21:35	YH
1,3,5-Trinitrobenzene	BRL	1.5		ug/L	337800	1	06/15/2022 21:35	YH
1,3-Dinitrobenzene	BRL	7.5		ug/L	337800	1	06/15/2022 21:35	YH
1,4-Napthoquinone	BRL	7.2		ug/L	337800	1	06/15/2022 21:35	YH
1-Naphthylamine	BRL	5.2		ug/L	337800	1	06/15/2022 21:35	YH
2,3,4,6-Tetrachlorophenol	BRL	4.0		ug/L	337800	1	06/15/2022 21:35	YH
2,4,5-Trichlorophenol	BRL	3.9		ug/L	337800	1	06/15/2022 21:35	YH
2,4,6-Trichlorophenol	BRL	3.4		ug/L	337800	1	06/15/2022 21:35	YH
2,4-Dichlorophenol	BRL	3.6		ug/L	337800	1	06/15/2022 21:35	YH
2,4-Dimethylphenol	BRL	3.8		ug/L	337800	1	06/15/2022 21:35	YH
2,4-Dinitrophenol	BRL	8.8		ug/L	337800	1	06/15/2022 21:35	YH
2,4-Dinitrotoluene	BRL	6.0		ug/L	337800	1	06/15/2022 21:35	YH
2,6-Dichlorophenol	BRL	5.9		ug/L	337800	1	06/15/2022 21:35	YH
2,6-Dinitrotoluene	BRL	5.3		ug/L	337800	1	06/15/2022 21:35	YH
2-Acetylaminofluorene	BRL	11		ug/L	337800	1	06/15/2022 21:35	YH
2-Chloronaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 21:35	YH
2-Chlorophenol	BRL	2.0		ug/L	337800	1	06/15/2022 21:35	YH
2-Methylnaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 21:35	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-008

Client Sample ID: GWC-8A
Collection Date: 6/9/2022 2:35:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Methylphenol	BRL	3.1		ug/L	337800	1	06/15/2022 21:35	YH
2-Naphthylamine	BRL	4.3		ug/L	337800	1	06/15/2022 21:35	YH
2-Nitroaniline	BRL	3.6		ug/L	337800	1	06/15/2022 21:35	YH
2-Nitrophenol	BRL	2.5		ug/L	337800	1	06/15/2022 21:35	YH
3,3'-Dichlorobenzidine	BRL	3.7		ug/L	337800	1	06/15/2022 21:35	YH
3,3'-Dimethoxybenzidine	BRL	10	N	ug/L	337800	1	06/15/2022 21:35	YH
3,3'-Dimethylbenzidine	BRL	9.3		ug/L	337800	1	06/15/2022 21:35	YH
3,4-Methylphenol	BRL	3.3		ug/L	337800	1	06/15/2022 21:35	YH
3-Methylcholanthrene	BRL	8.1		ug/L	337800	1	06/15/2022 21:35	YH
3-Nitroaniline	BRL	4.3		ug/L	337800	1	06/15/2022 21:35	YH
4,6-Dinitro-2-methylphenol	BRL	14		ug/L	337800	1	06/15/2022 21:35	YH
4-Aminobiphenyl	BRL	4.8		ug/L	337800	1	06/15/2022 21:35	YH
4-Bromophenyl phenyl ether	BRL	3.9		ug/L	337800	1	06/15/2022 21:35	YH
4-Chloro-3-methylphenol	BRL	4.0		ug/L	337800	1	06/15/2022 21:35	YH
4-Chloroaniline	BRL	4.9		ug/L	337800	1	06/15/2022 21:35	YH
4-Chlorophenyl phenyl ether	BRL	3.0		ug/L	337800	1	06/15/2022 21:35	YH
4-Nitroaniline	BRL	5.1		ug/L	337800	1	06/15/2022 21:35	YH
4-Nitrophenol	BRL	5.8		ug/L	337800	1	06/15/2022 21:35	YH
5-Nitro-o-toluidine	BRL	4.9		ug/L	337800	1	06/15/2022 21:35	YH
7,12-Dimethylbenz(a)anthracene	BRL	7.0		ug/L	337800	1	06/15/2022 21:35	YH
Acenaphthene	BRL	2.5		ug/L	337800	1	06/15/2022 21:35	YH
Acenaphthylene	BRL	2.7		ug/L	337800	1	06/15/2022 21:35	YH
Acetophenone	BRL	4.0		ug/L	337800	1	06/15/2022 21:35	YH
Anthracene	BRL	2.9		ug/L	337800	1	06/15/2022 21:35	YH
Benz(a)anthracene	BRL	2.8		ug/L	337800	1	06/15/2022 21:35	YH
Benzo(b)fluoranthene	BRL	3.8		ug/L	337800	1	06/15/2022 21:35	YH
Benzo(g,h,i)perylene	BRL	4.2		ug/L	337800	1	06/15/2022 21:35	YH
Benzo(k)fluoranthene	BRL	3.6		ug/L	337800	1	06/15/2022 21:35	YH
Benzyl alcohol	BRL	3.8		ug/L	337800	1	06/15/2022 21:35	YH
Bis(2-chloroethoxy)methane	BRL	2.6		ug/L	337800	1	06/15/2022 21:35	YH
Bis(2-chloroethyl)ether	BRL	2.4		ug/L	337800	1	06/15/2022 21:35	YH
Bis(2-chloroisopropyl)ether	BRL	3.0		ug/L	337800	1	06/15/2022 21:35	YH
Bis(2-ethylhexyl)phthalate	BRL	4.4		ug/L	337800	1	06/15/2022 21:35	YH
Butyl benzyl phthalate	BRL	3.4		ug/L	337800	1	06/15/2022 21:35	YH
Chlorobenzilate	BRL	5.8		ug/L	337800	1	06/15/2022 21:35	YH
Chrysene	BRL	2.7		ug/L	337800	1	06/15/2022 21:35	YH
Di-n-butyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 21:35	YH
Di-n-octyl phthalate	BRL	9.3		ug/L	337800	1	06/15/2022 21:35	YH
Diallylate	BRL	5.1		ug/L	337800	1	06/15/2022 21:35	YH
Dibenz(a,h)anthracene	BRL	4.5		ug/L	337800	1	06/15/2022 21:35	YH
Dibenzofuran	BRL	2.7		ug/L	337800	1	06/15/2022 21:35	YH
Diethyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 21:35	YH
Dimethoate	BRL	5.8		ug/L	337800	1	06/15/2022 21:35	YH
Dimethyl phthalate	BRL	2.8		ug/L	337800	1	06/15/2022 21:35	YH
Dimethylaminoazobenzene	BRL	3.5	N	ug/L	337800	1	06/15/2022 21:35	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-008

Client Sample ID: GWC-8A
Collection Date: 6/9/2022 2:35:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Disulfoton	BRL	5.7		ug/L	337800	1	06/15/2022 21:35	YH
Ethyl methanesulfonate	BRL	4.4		ug/L	337800	1	06/15/2022 21:35	YH
Famphur	BRL	3.4		ug/L	337800	1	06/15/2022 21:35	YH
Fluoranthene	BRL	3.0		ug/L	337800	1	06/15/2022 21:35	YH
Fluorene	BRL	2.7		ug/L	337800	1	06/15/2022 21:35	YH
Hexachlorobutadiene	BRL	4.2		ug/L	337800	1	06/15/2022 21:35	YH
Hexachlorocyclopentadiene	BRL	8.4		ug/L	337800	1	06/15/2022 21:35	YH
Hexachloroethane	BRL	3.1		ug/L	337800	1	06/15/2022 21:35	YH
Hexachloropropene	BRL	7.4		ug/L	337800	1	06/15/2022 21:35	YH
Indeno(1,2,3-cd)pyrene	BRL	4.2		ug/L	337800	1	06/15/2022 21:35	YH
Isodrin	BRL	5.4		ug/L	337800	1	06/15/2022 21:35	YH
Isophorone	BRL	3.5		ug/L	337800	1	06/15/2022 21:35	YH
Isosafrole	BRL	6.5		ug/L	337800	1	06/15/2022 21:35	YH
Kepone	BRL	5.4		ug/L	337800	1	06/15/2022 21:35	YH
Methapyrilene	BRL	8.0		ug/L	337800	1	06/15/2022 21:35	YH
Methyl methanesulfonate	BRL	5.5		ug/L	337800	1	06/15/2022 21:35	YH
Methyl parathion	BRL	4.4		ug/L	337800	1	06/15/2022 21:35	YH
N-Nitrosodi-n-butylamine	BRL	3.5		ug/L	337800	1	06/15/2022 21:35	YH
N-Nitrosodi-n-propylamine	BRL	2.5		ug/L	337800	1	06/15/2022 21:35	YH
N-Nitrosodiethylamine	BRL	2.7		ug/L	337800	1	06/15/2022 21:35	YH
N-Nitrosodimethylamine	BRL	4.0		ug/L	337800	1	06/15/2022 21:35	YH
N-Nitrosodiphenylamine	BRL	2.4		ug/L	337800	1	06/15/2022 21:35	YH
N-Nitrosomethylethylamine	BRL	1.5		ug/L	337800	1	06/15/2022 21:35	YH
N-Nitrosopiperidine	BRL	2.3		ug/L	337800	1	06/15/2022 21:35	YH
N-Nitrosopyrrolidine	BRL	2.9		ug/L	337800	1	06/15/2022 21:35	YH
Nitrobenzene	BRL	2.5		ug/L	337800	1	06/15/2022 21:35	YH
O,O,O-Triethyl phosphorothioate	BRL	3.3		ug/L	337800	1	06/15/2022 21:35	YH
o-Toluidine	BRL	7.5		ug/L	337800	1	06/15/2022 21:35	YH
p-Phenylenediamine	BRL	5.7		ug/L	337800	1	06/15/2022 21:35	YH
Parathion	BRL	4.4		ug/L	337800	1	06/15/2022 21:35	YH
Pentachlorobenzene	BRL	3.8		ug/L	337800	1	06/15/2022 21:35	YH
Pentachloronitrobenzene	BRL	5.6		ug/L	337800	1	06/15/2022 21:35	YH
Phenacetin	BRL	6.0		ug/L	337800	1	06/15/2022 21:35	YH
Phenanthrene	BRL	2.9		ug/L	337800	1	06/15/2022 21:35	YH
Phenol	BRL	2.9		ug/L	337800	1	06/15/2022 21:35	YH
Phorate	BRL	3.5		ug/L	337800	1	06/15/2022 21:35	YH
Pronamide	BRL	7.0		ug/L	337800	1	06/15/2022 21:35	YH
Pyrene	BRL	2.9		ug/L	337800	1	06/15/2022 21:35	YH
Safrole	BRL	7.3		ug/L	337800	1	06/15/2022 21:35	YH
Thionazin	BRL	4.1		ug/L	337800	1	06/15/2022 21:35	YH
Surr: 2,4,6-Tribromophenol	82.4	46-135		%REC	337800	1	06/15/2022 21:35	YH
Surr: 2-Fluorobiphenyl	79.8	45-121		%REC	337800	1	06/15/2022 21:35	YH
Surr: 2-Fluorophenol	14.3	28.2-120	S	%REC	337800	1	06/15/2022 21:35	YH
Surr: 4-Terphenyl-d14	91.7	44-120		%REC	337800	1	06/15/2022 21:35	YH
Surr: Nitrobenzene-d5	67.4	41-123		%REC	337800	1	06/15/2022 21:35	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-8A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 2:35:00 PM
Lab ID: 2206E72-008	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E					(SW3510C)			
Surr: Phenol-d5	3.14	19.5-120	S	%REC	337800	1	06/15/2022 21:35	YH
POLYCHLORINATED BIPHENYLS SW8082A					(SW3510C)			
Aroclor 1016	BRL	0.50		ug/L	338111	1	06/16/2022 20:17	ST
Aroclor 1221	BRL	0.50		ug/L	338111	1	06/16/2022 20:17	ST
Aroclor 1232	BRL	0.50		ug/L	338111	1	06/16/2022 20:17	ST
Aroclor 1242	BRL	0.50		ug/L	338111	1	06/16/2022 20:17	ST
Aroclor 1248	BRL	0.50		ug/L	338111	1	06/16/2022 20:17	ST
Aroclor 1254	BRL	0.50		ug/L	338111	1	06/16/2022 20:17	ST
Aroclor 1260	BRL	0.50		ug/L	338111	1	06/16/2022 20:17	ST
Surr: Decachlorobiphenyl	102	30-120		%REC	338111	1	06/16/2022 20:17	ST
Surr: Tetrachloro-m-xylene	80.6	46.5-120		%REC	338111	1	06/16/2022 20:17	ST
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011					(SW8011)			
1,2-Dibromo-3-chloropropane	BRL	0.041		ug/L	338116	1	06/16/2022 15:47	UH
1,2-Dibromoethane	BRL	0.020		ug/L	338116	1	06/16/2022 15:47	UH
Surr: 4-Bromofluorobenzene	104	69.7-138		%REC	338116	1	06/16/2022 15:47	UH
Cyanide SW9014					(SW9010C)			
Cyanide, Total	BRL	0.010		mg/L	338141	1	06/17/2022 19:43	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B					(SW3510C)			
4,4'-DDD	BRL	0.10		ug/L	338037	1	06/16/2022 20:17	ST
4,4'-DDE	BRL	0.10		ug/L	338037	1	06/16/2022 20:17	ST
4,4'-DDT	BRL	0.10		ug/L	338037	1	06/16/2022 20:17	ST
Aldrin	BRL	0.050		ug/L	338037	1	06/16/2022 20:17	ST
alpha-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:17	ST
beta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:17	ST
Chlordane	BRL	0.50		ug/L	338037	1	06/16/2022 20:17	ST
delta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:17	ST
Dieldrin	BRL	0.10		ug/L	338037	1	06/16/2022 20:17	ST
Endosulfan I	BRL	0.050		ug/L	338037	1	06/16/2022 20:17	ST
Endosulfan II	BRL	0.10		ug/L	338037	1	06/16/2022 20:17	ST
Endosulfan sulfate	BRL	0.10		ug/L	338037	1	06/16/2022 20:17	ST
Endrin	BRL	0.10		ug/L	338037	1	06/16/2022 20:17	ST
Endrin aldehyde	BRL	0.10		ug/L	338037	1	06/16/2022 20:17	ST
gamma-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 20:17	ST
Heptachlor	BRL	0.050		ug/L	338037	1	06/16/2022 20:17	ST
Heptachlor epoxide	BRL	0.050		ug/L	338037	1	06/16/2022 20:17	ST
Methoxychlor	BRL	0.50		ug/L	338037	1	06/16/2022 20:17	ST
Toxaphene	BRL	3.0		ug/L	338037	1	06/16/2022 20:17	ST
Surr: Decachlorobiphenyl	95.6	27-130		%REC	338037	1	06/16/2022 20:17	ST
Surr: Tetrachloro-m-xylene	70.4	40.1-130		%REC	338037	1	06/16/2022 20:17	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A					(SW3510C)			

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: 6/9/2022 2:35:00 PM
Lab ID: 2206E72-008	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	338002	1	06/16/2022 21:12	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	338002	1	06/16/2022 21:12	UH
2,4-D	BRL	2.0		ug/L	338002	1	06/16/2022 21:12	UH
Dinoseb	BRL	5.0		ug/L	338002	1	06/16/2022 21:12	UH
Pentachlorophenol	BRL	1.0		ug/L	338002	1	06/16/2022 21:12	UH
Surr: DCAA	80.4	47-120		%REC	338002	1	06/16/2022 21:12	UH

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

Analytical Environmental Services, Inc.

Date: 08-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-008

Client Sample ID: GWC-8A
Collection Date: 6/9/2022 2:35:00 PM
Matrix: AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/24/2022 8:58 PM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/22/2022 5:51 PM
Surr: 4-Terphenyl-d14	79.5	65.5-137		%REC	338060	1	6/22/2022 5:51 PM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-009

Client Sample ID: AMW-2
Collection Date: 6/9/2022 4:20:00 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	338346	1	06/19/2022 16:10	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
1,1-Dichloroethane	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
1,1-Dichloroethene	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
1,1-Dichloropropene	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
1,2-Dichlorobenzene	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
1,2-Dichloroethane	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
1,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
1,3-Dichlorobenzene	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
1,3-Dichloropropane	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
1,4-Dichlorobenzene	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
2,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
2-Butanone	BRL	100		ug/L	338346	1	06/19/2022 16:10	AV
2-Hexanone	BRL	50		ug/L	338346	1	06/19/2022 16:10	AV
4-Methyl-2-pentanone	BRL	50		ug/L	338346	1	06/19/2022 16:10	AV
Acetone	BRL	100		ug/L	338346	1	06/19/2022 16:10	AV
Acetonitrile	BRL	200		ug/L	338346	1	06/17/2022 19:56	CM
Acrolein	BRL	50		ug/L	338346	1	06/19/2022 16:10	AV
Acrylonitrile	BRL	50		ug/L	338346	1	06/19/2022 16:10	AV
Allyl Chloride	BRL	100		ug/L	338346	1	06/17/2022 19:56	CM
Benzene	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
Bromochloromethane	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
Bromodichloromethane	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
Bromoform	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
Bromomethane	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
Carbon disulfide	BRL	5.0		ug/L	338346	1	06/19/2022 16:10	AV
Carbon tetrachloride	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
Chlorobenzene	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
Chloroethane	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
Chloroform	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
Chloromethane	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
Chloroprene	BRL	20		ug/L	338346	1	06/17/2022 19:56	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
Dibromochloromethane	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
Dibromomethane	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
Dichlorodifluoromethane	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
Ethyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 19:56	CM
Ethylbenzene	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
Iodomethane	BRL	100		ug/L	338346	1	06/19/2022 16:10	AV
Isobutyl Alcohol	BRL	200		ug/L	338346	1	06/17/2022 19:56	CM

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: 6/9/2022 4:20:00 PM
Lab ID: 2206E72-009	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Methyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 19:56	CM
Methylacrylonitrile	BRL	200		ug/L	338346	1	06/17/2022 19:56	CM
Methylene chloride	BRL	5.0		ug/L	338346	1	06/19/2022 16:10	AV
Naphthalene	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
Propionitrile	BRL	100		ug/L	338346	1	06/17/2022 19:56	CM
Styrene	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
Tetrachloroethene	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
Toluene	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338346	1	06/19/2022 16:10	AV
Trichloroethene	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
Trichlorofluoromethane	BRL	10		ug/L	338346	1	06/19/2022 16:10	AV
Vinyl acetate	BRL	100		ug/L	338346	1	06/19/2022 16:10	AV
Vinyl chloride	BRL	2.0		ug/L	338346	1	06/19/2022 16:10	AV
Xylenes, Total	BRL	5.0		ug/L	338346	1	06/19/2022 16:10	AV
Surr: 4-Bromofluorobenzene	92.2	75-118		%REC	338346	1	06/17/2022 19:56	CM
Surr: 4-Bromofluorobenzene	103	75-118		%REC	338346	1	06/19/2022 16:10	AV
Surr: Dibromofluoromethane	96.2	82.5-121		%REC	338346	1	06/19/2022 16:10	AV
Surr: Dibromofluoromethane	110	82.5-121		%REC	338346	1	06/17/2022 19:56	CM
Surr: Toluene-d8	98.9	78.3-118		%REC	338346	1	06/19/2022 16:10	AV
Surr: Toluene-d8	105	78.3-118		%REC	338346	1	06/17/2022 19:56	CM
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	337876	1	06/14/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	3.7		ug/L	337800	1	06/15/2022 22:02	YH
1,3,5-Trinitrobenzene	BRL	1.5		ug/L	337800	1	06/15/2022 22:02	YH
1,3-Dinitrobenzene	BRL	7.5		ug/L	337800	1	06/15/2022 22:02	YH
1,4-Napthoquinone	BRL	7.2		ug/L	337800	1	06/15/2022 22:02	YH
1-Naphthylamine	BRL	5.2		ug/L	337800	1	06/15/2022 22:02	YH
2,3,4,6-Tetrachlorophenol	BRL	4.0		ug/L	337800	1	06/15/2022 22:02	YH
2,4,5-Trichlorophenol	BRL	3.9		ug/L	337800	1	06/15/2022 22:02	YH
2,4,6-Trichlorophenol	BRL	3.4		ug/L	337800	1	06/15/2022 22:02	YH
2,4-Dichlorophenol	BRL	3.6		ug/L	337800	1	06/15/2022 22:02	YH
2,4-Dimethylphenol	BRL	3.8		ug/L	337800	1	06/15/2022 22:02	YH
2,4-Dinitrophenol	BRL	8.8		ug/L	337800	1	06/15/2022 22:02	YH
2,4-Dinitrotoluene	BRL	6.0		ug/L	337800	1	06/15/2022 22:02	YH
2,6-Dichlorophenol	BRL	5.9		ug/L	337800	1	06/15/2022 22:02	YH
2,6-Dinitrotoluene	BRL	5.3		ug/L	337800	1	06/15/2022 22:02	YH
2-Acetylaminofluorene	BRL	11		ug/L	337800	1	06/15/2022 22:02	YH
2-Chloronaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 22:02	YH
2-Chlorophenol	BRL	2.0		ug/L	337800	1	06/15/2022 22:02	YH
2-Methylnaphthalene	BRL	3.0		ug/L	337800	1	06/15/2022 22:02	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.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-009

Client Sample ID: AMW-2
Collection Date: 6/9/2022 4:20:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Methylphenol	BRL	3.1		ug/L	337800	1	06/15/2022 22:02	YH
2-Naphthylamine	BRL	4.3		ug/L	337800	1	06/15/2022 22:02	YH
2-Nitroaniline	BRL	3.6		ug/L	337800	1	06/15/2022 22:02	YH
2-Nitrophenol	BRL	2.5		ug/L	337800	1	06/15/2022 22:02	YH
3,3'-Dichlorobenzidine	BRL	3.7		ug/L	337800	1	06/15/2022 22:02	YH
3,3'-Dimethoxybenzidine	BRL	10	N	ug/L	337800	1	06/15/2022 22:02	YH
3,3'-Dimethylbenzidine	BRL	9.3		ug/L	337800	1	06/15/2022 22:02	YH
3,4-Methylphenol	BRL	3.3		ug/L	337800	1	06/15/2022 22:02	YH
3-Methylcholanthrene	BRL	8.1		ug/L	337800	1	06/15/2022 22:02	YH
3-Nitroaniline	BRL	4.3		ug/L	337800	1	06/15/2022 22:02	YH
4,6-Dinitro-2-methylphenol	BRL	14		ug/L	337800	1	06/15/2022 22:02	YH
4-Aminobiphenyl	BRL	4.8		ug/L	337800	1	06/15/2022 22:02	YH
4-Bromophenyl phenyl ether	BRL	3.9		ug/L	337800	1	06/15/2022 22:02	YH
4-Chloro-3-methylphenol	BRL	4.0		ug/L	337800	1	06/15/2022 22:02	YH
4-Chloroaniline	BRL	4.9		ug/L	337800	1	06/15/2022 22:02	YH
4-Chlorophenyl phenyl ether	BRL	3.0		ug/L	337800	1	06/15/2022 22:02	YH
4-Nitroaniline	BRL	5.1		ug/L	337800	1	06/15/2022 22:02	YH
4-Nitrophenol	BRL	5.8		ug/L	337800	1	06/15/2022 22:02	YH
5-Nitro-o-toluidine	BRL	4.9		ug/L	337800	1	06/15/2022 22:02	YH
7,12-Dimethylbenz(a)anthracene	BRL	7.0		ug/L	337800	1	06/15/2022 22:02	YH
Acenaphthene	BRL	2.5		ug/L	337800	1	06/15/2022 22:02	YH
Acenaphthylene	BRL	2.7		ug/L	337800	1	06/15/2022 22:02	YH
Acetophenone	BRL	4.0		ug/L	337800	1	06/15/2022 22:02	YH
Anthracene	BRL	2.9		ug/L	337800	1	06/15/2022 22:02	YH
Benz(a)anthracene	BRL	2.8		ug/L	337800	1	06/15/2022 22:02	YH
Benzo(b)fluoranthene	BRL	3.8		ug/L	337800	1	06/15/2022 22:02	YH
Benzo(g,h,i)perylene	BRL	4.2		ug/L	337800	1	06/15/2022 22:02	YH
Benzo(k)fluoranthene	BRL	3.6		ug/L	337800	1	06/15/2022 22:02	YH
Benzyl alcohol	BRL	3.8		ug/L	337800	1	06/15/2022 22:02	YH
Bis(2-chloroethoxy)methane	BRL	2.6		ug/L	337800	1	06/15/2022 22:02	YH
Bis(2-chloroethyl)ether	BRL	2.4		ug/L	337800	1	06/15/2022 22:02	YH
Bis(2-chloroisopropyl)ether	BRL	3.0		ug/L	337800	1	06/15/2022 22:02	YH
Bis(2-ethylhexyl)phthalate	BRL	4.4		ug/L	337800	1	06/15/2022 22:02	YH
Butyl benzyl phthalate	BRL	3.4		ug/L	337800	1	06/15/2022 22:02	YH
Chlorobenzilate	BRL	5.8		ug/L	337800	1	06/15/2022 22:02	YH
Chrysene	BRL	2.7		ug/L	337800	1	06/15/2022 22:02	YH
Di-n-butyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 22:02	YH
Di-n-octyl phthalate	BRL	9.3		ug/L	337800	1	06/15/2022 22:02	YH
Diallate	BRL	5.1		ug/L	337800	1	06/15/2022 22:02	YH
Dibenz(a,h)anthracene	BRL	4.5		ug/L	337800	1	06/15/2022 22:02	YH
Dibenzofuran	BRL	2.7		ug/L	337800	1	06/15/2022 22:02	YH
Diethyl phthalate	BRL	3.3		ug/L	337800	1	06/15/2022 22:02	YH
Dimethoate	BRL	5.8		ug/L	337800	1	06/15/2022 22:02	YH
Dimethyl phthalate	BRL	2.8		ug/L	337800	1	06/15/2022 22:02	YH
Dimethylaminoazobenzene	BRL	3.5	N	ug/L	337800	1	06/15/2022 22:02	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: AMW-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/9/2022 4:20:00 PM
Lab ID: 2206E72-009	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E					(SW3510C)			
Surr: Phenol-d5	30.2	19.5-120		%REC	337800	1	06/15/2022 22:02	YH
POLYCHLORINATED BIPHENYLS SW8082A					(SW3510C)			
Aroclor 1016	BRL	0.50		ug/L	338111	1	06/16/2022 21:03	ST
Aroclor 1221	BRL	0.50		ug/L	338111	1	06/16/2022 21:03	ST
Aroclor 1232	BRL	0.50		ug/L	338111	1	06/16/2022 21:03	ST
Aroclor 1242	BRL	0.50		ug/L	338111	1	06/16/2022 21:03	ST
Aroclor 1248	BRL	0.50		ug/L	338111	1	06/16/2022 21:03	ST
Aroclor 1254	BRL	0.50		ug/L	338111	1	06/16/2022 21:03	ST
Aroclor 1260	BRL	0.50		ug/L	338111	1	06/16/2022 21:03	ST
Surr: Decachlorobiphenyl	74.5	30-120		%REC	338111	1	06/16/2022 21:03	ST
Surr: Tetrachloro-m-xylene	78.6	46.5-120		%REC	338111	1	06/16/2022 21:03	ST
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011					(SW8011)			
1,2-Dibromo-3-chloropropane	BRL	0.040		ug/L	338116	1	06/16/2022 16:04	UH
1,2-Dibromoethane	BRL	0.020		ug/L	338116	1	06/16/2022 16:04	UH
Surr: 4-Bromofluorobenzene	104	69.7-138		%REC	338116	1	06/16/2022 16:04	UH
Cyanide SW9014					(SW9010C)			
Cyanide, Total	BRL	0.010		mg/L	338141	1	06/17/2022 19:45	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B					(SW3510C)			
4,4'-DDD	BRL	0.10		ug/L	338037	1	06/16/2022 21:03	ST
4,4'-DDE	BRL	0.10		ug/L	338037	1	06/16/2022 21:03	ST
4,4'-DDT	BRL	0.10		ug/L	338037	1	06/16/2022 21:03	ST
Aldrin	BRL	0.050		ug/L	338037	1	06/16/2022 21:03	ST
alpha-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 21:03	ST
beta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 21:03	ST
Chlordane	BRL	0.50		ug/L	338037	1	06/16/2022 21:03	ST
delta-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 21:03	ST
Dieldrin	BRL	0.10		ug/L	338037	1	06/16/2022 21:03	ST
Endosulfan I	BRL	0.050		ug/L	338037	1	06/16/2022 21:03	ST
Endosulfan II	BRL	0.10		ug/L	338037	1	06/16/2022 21:03	ST
Endosulfan sulfate	BRL	0.10		ug/L	338037	1	06/16/2022 21:03	ST
Endrin	BRL	0.10		ug/L	338037	1	06/16/2022 21:03	ST
Endrin aldehyde	BRL	0.10		ug/L	338037	1	06/16/2022 21:03	ST
gamma-BHC	BRL	0.050		ug/L	338037	1	06/16/2022 21:03	ST
Heptachlor	BRL	0.050		ug/L	338037	1	06/16/2022 21:03	ST
Heptachlor epoxide	BRL	0.050		ug/L	338037	1	06/16/2022 21:03	ST
Methoxychlor	BRL	0.50		ug/L	338037	1	06/16/2022 21:03	ST
Toxaphene	BRL	3.0		ug/L	338037	1	06/16/2022 21:03	ST
Surr: Decachlorobiphenyl	69.5	27-130		%REC	338037	1	06/16/2022 21:03	ST
Surr: Tetrachloro-m-xylene	70.1	40.1-130		%REC	338037	1	06/16/2022 21:03	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A					(SW3510C)			

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: 6/9/2022 4:20:00 PM
Lab ID: 2206E72-009	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	2.0		ug/L	338002	1	06/16/2022 21:33	UH
2,4,5-TP (Silvex)	BRL	2.0		ug/L	338002	1	06/16/2022 21:33	UH
2,4-D	BRL	2.0		ug/L	338002	1	06/16/2022 21:33	UH
Dinoseb	BRL	5.0		ug/L	338002	1	06/16/2022 21:33	UH
Pentachlorophenol	BRL	1.0		ug/L	338002	1	06/16/2022 21:33	UH
Surr: DCAA	68.9	47-120		%REC	338002	1	06/16/2022 21:33	UH

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

Analytical Environmental Services, Inc.

Date: 08-Jul-22

CLIENT: Atlantic Coast Consulting, Inc.
Project: Forsyth County-Hightower Road MSWLF
Lab ID: 2206E72-009

Client Sample ID: AMW-2
Collection Date: 6/9/2022 4:20:00 PM
Matrix: AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
SIM POLYNUCLEAR AROMATIC HYDROCARBONS		SW8270E			(SW3510C)		Analyst: DSC
Hexachlorobenzene	BRL	1.0		ug/L	338060	1	6/24/2022 9:21 PM
Benzo(a)pyrene	BRL	0.20		ug/L	338060	1	6/22/2022 6:18 PM
Surr: 4-Terphenyl-d14	91.2	65.5-137		%REC	338060	1	6/22/2022 6:18 PM

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	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-8A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022 10:00:00 AM
Lab ID: 2206E72-010	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Mercury, Total SW7470A								
					(SW7470A)			
Mercury	BRL	0.00050		mg/L	338886	1	06/30/2022 16:53	GR
APPENDIX II METALS SW6020B								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	338047	1	06/16/2022 19:59	JM
Arsenic	BRL	0.0100		mg/L	338047	1	06/16/2022 19:59	JM
Barium	0.0399	0.0200		mg/L	338047	1	06/16/2022 19:59	JM
Beryllium	BRL	0.00300		mg/L	338047	1	06/16/2022 19:59	JM
Cadmium	BRL	0.00500		mg/L	338047	1	06/16/2022 19:59	JM
Chromium	BRL	0.0100		mg/L	338047	1	06/16/2022 19:59	JM
Cobalt	BRL	0.0400		mg/L	338047	1	06/16/2022 19:59	JM
Copper	BRL	0.0200		mg/L	338047	1	06/16/2022 19:59	JM
Lead	BRL	0.0150		mg/L	338047	1	06/16/2022 19:59	JM
Nickel	BRL	0.0200		mg/L	338047	1	06/16/2022 19:59	JM
Selenium	BRL	0.0100		mg/L	338047	1	06/16/2022 19:59	JM
Silver	BRL	0.0100		mg/L	338047	1	06/16/2022 19:59	JM
Thallium	BRL	0.00200		mg/L	338047	1	06/16/2022 19:59	JM
Tin	BRL	0.0400		mg/L	338047	1	06/16/2022 19:59	JM
Vanadium	BRL	0.0200		mg/L	338047	1	06/16/2022 19:59	JM
Zinc	BRL	0.0200		mg/L	338047	1	06/16/2022 19:59	JM

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-14A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022 9:00:00 AM
Lab ID: 2206E72-011	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Mercury, Total SW7470A					(SW7470A)			
Mercury	BRL	0.00050		mg/L	338886	1	06/30/2022 17:09	GR
APPENDIX II METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	338047	1	06/16/2022 20:02	JM
Arsenic	BRL	0.0100		mg/L	338047	1	06/16/2022 20:02	JM
Barium	0.167	0.0200		mg/L	338047	1	06/16/2022 20:02	JM
Beryllium	BRL	0.00300		mg/L	338047	1	06/16/2022 20:02	JM
Cadmium	BRL	0.00500		mg/L	338047	1	06/16/2022 20:02	JM
Chromium	BRL	0.0100		mg/L	338047	1	06/16/2022 20:02	JM
Cobalt	0.252	0.0400		mg/L	338047	1	06/16/2022 20:02	JM
Copper	BRL	0.0200		mg/L	338047	1	06/16/2022 20:02	JM
Lead	BRL	0.0150		mg/L	338047	1	06/16/2022 20:02	JM
Nickel	BRL	0.0200		mg/L	338047	1	06/16/2022 20:02	JM
Selenium	BRL	0.0100		mg/L	338047	1	06/16/2022 20:02	JM
Silver	BRL	0.0100		mg/L	338047	1	06/16/2022 20:02	JM
Thallium	BRL	0.00200		mg/L	338047	1	06/16/2022 20:02	JM
Tin	BRL	0.0400		mg/L	338047	1	06/16/2022 20:02	JM
Vanadium	BRL	0.0200		mg/L	338047	1	06/16/2022 20:02	JM
Zinc	BRL	0.0200		mg/L	338047	1	06/16/2022 20:02	JM

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
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022
Lab ID: 2206E72-012	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	338346	1	06/17/2022 14:13	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
1,1-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
1,1-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
1,1-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
1,2,3-Trichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
1,2,4-Trichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	338346	1	06/17/2022 14:13	CM
1,2-Dibromoethane	BRL	1.0		ug/L	338346	1	06/17/2022 14:13	CM
1,2-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
1,2-Dichloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
1,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
1,3-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
1,3-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
1,4-Dichlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
2,2-Dichloropropane	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
2-Butanone	BRL	100		ug/L	338346	1	06/17/2022 14:13	CM
2-Hexanone	BRL	50		ug/L	338346	1	06/17/2022 14:13	CM
4-Methyl-2-pentanone	BRL	50		ug/L	338346	1	06/17/2022 14:13	CM
Acetone	BRL	100		ug/L	338346	1	06/17/2022 14:13	CM
Acetonitrile	BRL	200		ug/L	338346	1	06/17/2022 14:13	CM
Acrolein	BRL	50		ug/L	338346	1	06/17/2022 14:13	CM
Acrylonitrile	BRL	50		ug/L	338346	1	06/17/2022 14:13	CM
Allyl Chloride	BRL	100		ug/L	338346	1	06/17/2022 14:13	CM
Benzene	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
Bromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Bromodichloromethane	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Bromoform	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Bromomethane	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Carbon disulfide	BRL	5.0		ug/L	338346	1	06/17/2022 14:13	CM
Carbon tetrachloride	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
Chlorobenzene	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Chloroethane	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
Chloroform	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
Chloromethane	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Chloroprene	BRL	20		ug/L	338346	1	06/17/2022 14:13	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
Dibromochloromethane	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Dibromomethane	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Dichlorodifluoromethane	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Ethyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Ethylbenzene	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM

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: TRIP BLANK
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/10/2022
Lab ID: 2206E72-012	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D							
					(SW5030B)			
Iodomethane	BRL	100		ug/L	338346	1	06/17/2022 14:13	CM
Isobutyl Alcohol	BRL	200		ug/L	338346	1	06/17/2022 14:13	CM
Methyl Methacrylate	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Methylacrylonitrile	BRL	200		ug/L	338346	1	06/17/2022 14:13	CM
Methylene chloride	BRL	5.0		ug/L	338346	1	06/17/2022 14:13	CM
Naphthalene	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Propionitrile	BRL	100		ug/L	338346	1	06/17/2022 14:13	CM
Styrene	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Tetrachloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
Toluene	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	338346	1	06/17/2022 14:13	CM
Trichloroethene	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
Trichlorofluoromethane	BRL	10		ug/L	338346	1	06/17/2022 14:13	CM
Vinyl acetate	BRL	100		ug/L	338346	1	06/17/2022 14:13	CM
Vinyl chloride	BRL	2.0		ug/L	338346	1	06/17/2022 14:13	CM
Xylenes, Total	BRL	5.0		ug/L	338346	1	06/17/2022 14:13	CM
Surr: 4-Bromofluorobenzene	88.1	75-118		%REC	338346	1	06/17/2022 14:13	CM
Surr: 4-Bromofluorobenzene	93.4	75-118		%REC	338346	1	06/17/2022 14:13	CM
Surr: Dibromofluoromethane	95.2	82.5-121		%REC	338346	1	06/17/2022 14:13	CM
Surr: Dibromofluoromethane	109	82.5-121		%REC	338346	1	06/17/2022 14:13	CM
Surr: Toluene-d8	97.7	78.3-118		%REC	338346	1	06/17/2022 14:13	CM
Surr: Toluene-d8	106	78.3-118		%REC	338346	1	06/17/2022 14:13	CM

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: 2206E72

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 type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
5. Custody seals intact on shipping container?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
6. Temperature blanks present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
10. Sampler name and/or signature on COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
11. Were all samples received within holding time?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
12. TAT marked on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	

13. Cooler 1 Temperature 2.7 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). HM 6/13/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. 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"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
26. Were trip blanks submitted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input checked="" type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). HM 6/13/22

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
29. Containers meet preservation guidelines?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
30. 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 28-30 (dated initials). HM 6/13/22

Locked

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: MB-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
Sample Type: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11410432							
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'-Biphenyl	BRL	10									
1,2,4,5-Tetrachlorobenzene	BRL	10									
1,2,4-Trichlorobenzene	BRL	10									
1,2-Dichlorobenzene	BRL	10									
1,2-Diphenylhydrazine	BRL	10									
1,3,5-Trinitrobenzene	BRL	10									
1,3-Dichlorobenzene	BRL	10									
1,3-Dinitrobenzene	BRL	20									
1,4-Dichlorobenzene	BRL	10									
1,4-Napthoquinone	BRL	10									
1-Chloronaphthalene	BRL	10									
1-Methylnaphthalene	BRL	10									
1-Naphthylamine	BRL	10									
2,2'-oxybis(1-Chloropropane)	BRL	10									
2,3,4,6-Tetrachlorophenol	BRL	10									
2,3-Dichloroaniline	BRL	10									N
2,4,5-Trichlorophenol	BRL	25									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
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									

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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: MB-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11410432							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Naphthylamine	BRL	10									
2-Nitroaniline	BRL	50									
2-Nitrophenol	BRL	10									
2-Picoline	BRL	10									
3,3'-Dichlorobenzidine	BRL	20									
3,3'-Dimethoxybenzidine	BRL	10									N
3,3'-Dimethylbenzidine	BRL	20									
3,4-Methylphenol	BRL	10									
3-Chloroaniline	BRL	10									
3-Methylcholanthrene	BRL	10									
3-Methylphenol	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
4-Aminobiphenyl	BRL	10									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
4-Chloroaniline	BRL	10									
4-Chlorophenyl phenyl ether	BRL	10									
4-Methylphenol	BRL	10									
4-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
4-Nitroquinoline,1-oxide	BRL	50									
5-Nitro-o-toluidine	BRL	10									
7,12-Dimethylbenz(a)anthracene	BRL	10									
a,a-Dimethylphenethylamine	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: MB-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11410432							
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
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									
Allethrin	BRL	10									N
alpha-Terpineol	BRL	10									N
Aniline	BRL	10									
Anthracene	BRL	10									
Aramite	BRL	10									
Atrazine	BRL	10									
Baygon	BRL	10									N
Benz(a)anthracene	BRL	10									
Benzaldehyde	BRL	10									
Benzidine	BRL	80									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Benzoic acid	BRL	100									
Benzyl alcohol	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-chloroisopropyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Bis(chloromethyl) ether	BRL	100									N
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: MB-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11410432							
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
Chlorobenzilate	BRL	10									
Chloropyrifos	BRL	10									N
Chrysene	BRL	10									
Decane	BRL	10									N
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Diallate	BRL	10									
Diazinon	BRL	10									N
Dibenz(a,h)anthracene	BRL	10									
Dibenz(a,j)acridine	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethoate	BRL	20									
Dimethyl phthalate	BRL	10									
Dimethylaminoazobenzene	BRL	10									N
Diphenylamine	BRL	10									
Disulfoton	BRL	10									
Ethyl methanesulfonate	BRL	10									
Famphur	BRL	20									
Fenvalerate	BRL	10									N
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									
Hexachloroethane	BRL	10									
Hexachlorophene	BRL	80									

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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: MB-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11410432							
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
Hexachloropropene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isodrin	BRL	10									
Isophorone	BRL	10									
Isosafrole	BRL	10									
Kepone	BRL	50									
Methapyrilene	BRL	20									
Methyl methanesulfonate	BRL	10									
Methyl parathion	BRL	10									
MGK-264	BRL	10									N
N-Nitrosodi-n-butylamine	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiethylamine	BRL	10									
N-Nitrosodimethylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									
N-Nitrosomethylethylamine	BRL	10									
N-Nitrosomorpholine	BRL	10									
N-Nitrosopiperidine	BRL	10									
N-Nitrosopyrrolidine	BRL	40									
N-Octadecane	BRL	10									N
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
O,O,O-Triethyl phosphorothioate	BRL	10									
o-Toluidine	BRL	10									
p-Dimethylaminoazobenzene	BRL	10									
p-Phenylenediamine	BRL	500									
Parathion	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: MB-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11410432							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Pentachlorobenzene	BRL	10									
Pentachloronitrobenzene	BRL	10									
Pentachlorophenol	BRL	25									
Perylene	BRL	10									N
Phenacetin	BRL	10									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Phenothrin	BRL	10									N
Phorate	BRL	10									
Piperonyl Butoxide	BRL	10									N
Pronamide	BRL	10									
Pyrene	BRL	10									
Pyrethrin	BRL	50									N
Pyridine	BRL	10									
Resmethrin	BRL	10									N
Safrole	BRL	50									
Sym-Trinitrobenzene	BRL	10									
Tetraethyl dithiopyrophosphate	BRL	10									
Tetramethrin	BRL	10									N
Thionazin	BRL	10									
Surr: 2,4,6-Tribromophenol	87.02	0	100.0		87.0	46	135				
Surr: 2-Fluorobiphenyl	59.56	0	50.00		119	45	121				
Surr: 2-Fluorophenol	43.18	0	100.0		43.2	28.2	120				
Surr: 4-Terphenyl-d14	54.90	0	50.00		110	44	120				
Surr: Nitrobenzene-d5	34.78	0	50.00		69.6	41	123				
Surr: Phenol-d5	42.46	0	100.0		42.5	19.5	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: LCS-337800	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: LCS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11380396							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2,4-Trichlorobenzene	76.95	10	100.0		77.0	56.7	124				
1,4-Dichlorobenzene	68.43	10	100.0		68.4	48	124				
2,4-Dinitrotoluene	98.94	10	100.0		98.9	58.4	129				
2-Chlorophenol	72.78	10	100.0		72.8	52.8	120				
4-Chloro-3-methylphenol	87.63	10	100.0		87.6	60.7	122				
4-Nitrophenol	41.83	25	100.0		41.8	20	120				
Acenaphthene	91.38	10	100.0		91.4	60	128				
N-Nitrosodi-n-propylamine	108.0	10	100.0		108	60.1	130				
Pentachlorophenol	53.23	25	100.0		53.2	47	126				
Phenol	33.90	10	100.0		33.9	21.1	120				
Pyrene	89.41	10	100.0		89.4	62.9	135				
Surr: 2,4,6-Tribromophenol	116.6	0	100.0		117	19.5	120				
Surr: 2-Fluorobiphenyl	45.30	0	50.00		90.6	45	121				
Surr: 2-Fluorophenol	39.51	0	100.0		39.5	28.2	120				
Surr: 4-Terphenyl-d14	50.74	0	50.00		101	44	120				
Surr: Nitrobenzene-d5	42.17	0	50.00		84.3	46	135				
Surr: Phenol-d5	44.87	0	100.0		44.9	41	123				

Sample ID: 2206C34-001DMS	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11380400							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2,4-Trichlorobenzene	77.23	10	100.0		77.2	41.4	119				
1,4-Dichlorobenzene	73.49	10	100.0		73.5	40	120				
2,4-Dinitrotoluene	110.4	10	100.0		110	45.1	120				
2-Chlorophenol	50.85	10	100.0		50.8	41.7	120				
4-Chloro-3-methylphenol	79.89	10	100.0		79.9	40	120				
4-Nitrophenol	33.92	25	100.0		33.9	23	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: 2206C34-001DMS	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11380400							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene	99.05	10	100.0		99.0	44.4	118				
N-Nitrosodi-n-propylamine	104.5	10	100.0		104	51	120				
Pentachlorophenol	37.88	25	100.0		37.9	41.1	125				S
Phenol	31.70	10	100.0		31.7	22.1	120				
Pyrene	97.42	10	100.0		97.4	50.4	118				
Surr: 2,4,6-Tribromophenol	76.91	0	100.0		76.9	19.5	120				
Surr: 2-Fluorobiphenyl	46.51	0	50.00		93.0	45	121				
Surr: 2-Fluorophenol	28.46	0	100.0		28.5	28.2	120				
Surr: 4-Terphenyl-d14	53.72	0	50.00		107	44	120				
Surr: Nitrobenzene-d5	37.98	0	50.00		76.0	46	135				
Surr: Phenol-d5	31.70	0	100.0		31.7	41	123				S

Sample ID: 2206C34-001DMSD	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675							
SampleType: MSD	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11380405							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2,4-Trichlorobenzene	64.11	10	100.0		64.1	41.4	119	77.23	18.6	31.3	
1,4-Dichlorobenzene	62.93	10	100.0		62.9	40	120	73.49	15.5	33	
2,4-Dinitrotoluene	98.39	10	100.0		98.4	45.1	120	110.4	11.5	29.5	
2-Chlorophenol	56.39	10	100.0		56.4	41.7	120	50.85	10.3	33.8	
4-Chloro-3-methylphenol	72.66	10	100.0		72.7	40	120	79.89	9.48	35	
4-Nitrophenol	40.82	25	100.0		40.8	23	120	33.92	18.5	54.9	
Acenaphthene	85.72	10	100.0		85.7	44.4	118	99.05	14.4	27.9	
N-Nitrosodi-n-propylamine	85.36	10	100.0		85.4	51	120	104.5	20.2	29.5	
Pentachlorophenol	44.98	25	100.0		45.0	41.1	125	37.88	17.1	39.4	
Phenol	28.00	10	100.0		28.0	22.1	120	31.70	12.4	48.2	
Pyrene	89.60	10	100.0		89.6	50.4	118	97.42	8.36	27.2	
Surr: 2,4,6-Tribromophenol	87.91	0	100.0		87.9	19.5	120	76.91	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 337800

Sample ID: 2206C34-001DMSD	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488675
SampleType: MSD	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 337800	Analysis Date: 06/15/2022	Seq No: 11380405

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 2-Fluorobiphenyl	39.65	0	50.00		79.3	45	121	46.51	0	0	
Surr: 2-Fluorophenol	28.80	0	100.0		28.8	28.2	120	28.46	0	0	
Surr: 4-Terphenyl-d14	50.87	0	50.00		102	44	120	53.72	0	0	
Surr: Nitrobenzene-d5	31.31	0	50.00		62.6	46	135	37.98	0	0	
Surr: Phenol-d5	19.71	0	100.0		19.7	41	123	31.70	0	0	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 337876

Sample ID: MB-337876	Client ID:	Units: mg/L	Prep Date: 06/13/2022	Run No: 488420							
SampleType: MBLK	TestCode: Sulfide by SW9030B/9034	BatchID: 337876	Analysis Date: 06/13/2022	Seq No: 11365717							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide BRL 2.00

Sample ID: LCS-337876	Client ID:	Units: mg/L	Prep Date: 06/13/2022	Run No: 488420							
SampleType: LCS	TestCode: Sulfide by SW9030B/9034	BatchID: 337876	Analysis Date: 06/13/2022	Seq No: 11365730							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide 19.00 2.00 19.00 100 70 130

Sample ID: 2206714-014EMS	Client ID:	Units: mg/L	Prep Date: 06/13/2022	Run No: 488420							
SampleType: MS	TestCode: Sulfide by SW9030B/9034	BatchID: 337876	Analysis Date: 06/13/2022	Seq No: 11365703							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide 18.00 2.00 19.00 94.7 63.4 129

Sample ID: 2206714-014EMSD	Client ID:	Units: mg/L	Prep Date: 06/13/2022	Run No: 488420							
SampleType: MSD	TestCode: Sulfide by SW9030B/9034	BatchID: 337876	Analysis Date: 06/13/2022	Seq No: 11365704							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide 18.20 2.00 19.00 95.8 63.4 129 18.00 1.10 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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338002

Sample ID: MB-338002	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488830							
SampleType: MBLK	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 338002	Analysis Date: 06/16/2022	Seq No: 11381526							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-T	BRL	2.0									
2,4,5-TP (Silvex)	BRL	2.0									
2,4-D	BRL	2.0									
Dinoseb	BRL	5.0									
Pentachlorophenol	BRL	1.0									
Surr: DCAA	3.505	0	5.000		70.1	47	120				

Sample ID: LCS-338002	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488830							
SampleType: LCS	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 338002	Analysis Date: 06/16/2022	Seq No: 11381529							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-T	3.931	2.0	5.000		78.6	50.1	120				
2,4,5-TP (Silvex)	3.747	2.0	5.000		74.9	50.2	120				
2,4-D	3.838	2.0	5.000		76.8	50.1	120				
Surr: DCAA	4.017	0	5.000		80.3	47	120				

Sample ID: 2206E72-001DMS	Client ID: PH1-GWC-2	Units: ug/L	Prep Date: 06/15/2022	Run No: 488830							
SampleType: MS	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 338002	Analysis Date: 06/16/2022	Seq No: 11381514							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-T	4.260	2.0	5.000		85.2	44.9	120				
2,4,5-TP (Silvex)	4.059	2.0	5.000		81.2	45.2	120				
2,4-D	4.063	2.0	5.000		81.3	40	120				
Surr: DCAA	4.227	0	5.000		84.5	47	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338002

Sample ID: 2206E72-001DMSD	Client ID: PH1-GWC-2	Units: ug/L	Prep Date: 06/15/2022	Run No: 488830
SampleType: MSD	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 338002	Analysis Date: 06/16/2022	Seq No: 11381515

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-T	4.051	2.0	5.000		81.0	44.9	120	4.260	5.04	24	
2,4,5-TP (Silvex)	3.887	2.0	5.000		77.7	45.2	120	4.059	4.31	18.9	
2,4-D	3.894	2.0	5.000		77.9	40	120	4.063	4.23	20.7	
Surr: DCAA	4.041	0	5.000		80.8	47	120	4.227	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338037

Sample ID: MB-338037	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488813							
SampleType: MBLK	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 338037	Analysis Date: 06/16/2022	Seq No: 11381020							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDD	BRL	0.10									
4,4'-DDE	BRL	0.10									
4,4'-DDT	BRL	0.10									
Aldrin	BRL	0.050									
alpha-BHC	BRL	0.050									
beta-BHC	BRL	0.050									
Chlordane	BRL	0.50									
delta-BHC	BRL	0.050									
Dieldrin	BRL	0.10									
Endosulfan I	BRL	0.050									
Endosulfan II	BRL	0.10									
Endosulfan sulfate	BRL	0.10									
Endrin	BRL	0.10									
Endrin aldehyde	BRL	0.10									
gamma-BHC	BRL	0.050									
Heptachlor	BRL	0.050									
Heptachlor epoxide	BRL	0.050									
Methoxychlor	BRL	0.50									
Toxaphene	BRL	3.0									
Surr: Decachlorobiphenyl	0.5375	0	0.5000		108	27	130				
Surr: Tetrachloro-m-xylene	0.3190	0	0.5000		63.8	40.1	130				

Sample ID: LCS-338037	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488813							
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 338037	Analysis Date: 06/16/2022	Seq No: 11381023							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	0.8975	0.10	1.000		89.8	61.5	125				
Aldrin	0.7248	0.050	1.000		72.5	60	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338037

Sample ID: LCS-338037	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488813							
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 338037	Analysis Date: 06/16/2022	Seq No: 11381023							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Dieldrin	0.8292	0.10	1.000		82.9	64.7	120				
Endrin	0.8985	0.10	1.000		89.8	66.9	123				
gamma-BHC	0.8556	0.050	1.000		85.6	70.8	120				
Heptachlor	0.7053	0.050	1.000		70.5	60.6	120				
Surr: Decachlorobiphenyl	0.3694	0	0.5000		73.9	27	130				
Surr: Tetrachloro-m-xylene	0.3118	0	0.5000		62.4	40.1	130				

Sample ID: 2206E20-002CMS	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488813							
SampleType: MS	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 338037	Analysis Date: 06/16/2022	Seq No: 11381028							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	1.187	0.10	1.000		119	45.1	127				
Aldrin	1.013	0.050	1.000		101	46	120				
Dieldrin	1.041	0.10	1.000		104	45.5	120				
Endrin	1.166	0.10	1.000		117	56.3	131				
gamma-BHC	1.112	0.050	1.000		111	54.5	120				
Heptachlor	0.9185	0.050	1.000		91.8	48.7	120				
Surr: Decachlorobiphenyl	0.5305	0	0.5000		106	27	130				
Surr: Tetrachloro-m-xylene	0.4069	0	0.5000		81.4	40.1	130				

Sample ID: 2206E20-002CMSD	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488813							
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 338037	Analysis Date: 06/16/2022	Seq No: 11381029							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	1.356	0.10	1.000		136	45.1	127	1.187	13.3	18.5	S
Aldrin	1.223	0.050	1.000		122	46	120	1.013	18.8	20.3	S
Dieldrin	1.217	0.10	1.000		122	45.5	120	1.041	15.6	18.8	S
Endrin	1.367	0.10	1.000		137	56.3	131	1.166	15.9	33.4	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338037

Sample ID: 2206E20-002CMSD	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488813
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 338037	Analysis Date: 06/16/2022	Seq No: 11381029

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
gamma-BHC	1.295	0.050	1.000		130	54.5	120	1.112	15.3	18.4	S
Heptachlor	1.106	0.050	1.000		111	48.7	120	0.9185	18.5	20.2	
Surr: Decachlorobiphenyl	0.5902	0	0.5000		118	27	130	0.5305	0	0	
Surr: Tetrachloro-m-xylene	0.5109	0	0.5000		102	40.1	130	0.4069	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338047

Sample ID: MB-338047	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488892							
SampleType: MBLK	TestCode: APPENDIX II METALS SW6020B	BatchID: 338047	Analysis Date: 06/16/2022	Seq No: 11382874							
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	0.00300									
Cadmium	BRL	0.00500									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0400									
Copper	BRL	0.0200									
Lead	BRL	0.0150									
Nickel	BRL	0.0200									
Selenium	BRL	0.0100									
Silver	BRL	0.00500									
Thallium	BRL	0.00200									
Tin	BRL	0.0400									
Vanadium	BRL	0.0200									
Zinc	BRL	0.0200									

Sample ID: LCS-338047	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488892							
SampleType: LCS	TestCode: APPENDIX II METALS SW6020B	BatchID: 338047	Analysis Date: 06/16/2022	Seq No: 11382876							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09834	0.00600	0.1000		98.3	80	120				
Arsenic	0.09797	0.0100	0.1000		98.0	80	120				
Barium	0.09496	0.0200	0.1000		95.0	80	120				
Beryllium	0.1011	0.00400	0.1000		101	80	120				
Cadmium	0.09765	0.00500	0.1000		97.6	80	120				
Chromium	0.1004	0.0200	0.1000		100	80	120				
Cobalt	0.1016	0.0500	0.1000		102	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338047

Sample ID: LCS-338047	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488892							
SampleType: LCS	TestCode: APPENDIX II METALS SW6020B	BatchID: 338047	Analysis Date: 06/16/2022	Seq No: 11382876							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper	0.09855	0.0200	0.1000		98.6	80	120				
Lead	0.1046	0.0100	0.1000		105	80	120				
Nickel	0.09831	0.0400	0.1000		98.3	80	120				
Selenium	0.09234	0.0500	0.1000		92.3	80	120				
Silver	0.009855	0.00500	0.0100		98.5	80	120				
Thallium	0.1079	0.00200	0.1000		108	80	120				
Tin	0.09949	0.0400	0.1000		99.5	80	120				
Vanadium	0.09695	0.0500	0.1000		96.9	80	120				
Zinc	0.09437	0.0200	0.1000		94.4	80	120				

Sample ID: 2206E42-001BMS	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488892							
SampleType: MS	TestCode: APPENDIX II METALS SW6020B	BatchID: 338047	Analysis Date: 06/16/2022	Seq No: 11382879							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09847	0.00600	0.1000		98.5	75	125				
Arsenic	0.09799	0.0100	0.1000		98.0	75	125				
Barium	0.1158	0.0200	0.1000	0.01841	97.4	75	125				
Beryllium	0.1032	0.00400	0.1000	0.0001192	103	75	125				
Cadmium	0.1000	0.00500	0.1000		100	75	125				
Chromium	0.1024	0.0200	0.1000		102	75	125				
Cobalt	0.1042	0.0500	0.1000	0.0008918	103	75	125				
Copper	0.1004	0.0200	0.1000		100	75	125				
Lead	0.1057	0.0100	0.1000	0.001623	104	75	125				
Nickel	0.09753	0.0400	0.1000		97.5	75	125				
Selenium	0.09341	0.0500	0.1000		93.4	75	125				
Silver	0.009885	0.00500	0.0100		98.8	75	125				
Thallium	0.1112	0.00200	0.1000	0.0004646	111	75	125				
Tin	0.09864	0.0400	0.1000		98.6	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338047

Sample ID: 2206E42-001BMS	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488892							
SampleType: MS	TestCode: APPENDIX II METALS SW6020B	BatchID: 338047	Analysis Date: 06/16/2022	Seq No: 11382879							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Vanadium	0.09957	0.0500	0.1000		99.6	75	125				
Zinc	0.1150	0.0200	0.1000	0.01027	105	75	125				

Sample ID: 2206E42-001BMSD	Client ID:	Units: mg/L	Prep Date: 06/15/2022	Run No: 488892							
SampleType: MSD	TestCode: APPENDIX II METALS SW6020B	BatchID: 338047	Analysis Date: 06/16/2022	Seq No: 11382881							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09722	0.00600	0.1000		97.2	75	125	0.09847	1.28	20	
Arsenic	0.09696	0.0100	0.1000		97.0	75	125	0.09799	1.06	20	
Barium	0.1177	0.0200	0.1000	0.01841	99.2	75	125	0.1158	1.60	20	
Beryllium	0.1023	0.00400	0.1000	0.0001192	102	75	125	0.1032	0.913	20	
Cadmium	0.09642	0.00500	0.1000		96.4	75	125	0.1000	3.65	20	
Chromium	0.1001	0.0200	0.1000		100	75	125	0.1024	2.25	20	
Cobalt	0.1028	0.0500	0.1000	0.0008918	102	75	125	0.1042	1.37	20	
Copper	0.09853	0.0200	0.1000		98.5	75	125	0.1004	1.93	20	
Lead	0.1054	0.0100	0.1000	0.001623	104	75	125	0.1057	0.268	20	
Nickel	0.09610	0.0400	0.1000		96.1	75	125	0.09753	1.48	20	
Selenium	0.09069	0.0500	0.1000		90.7	75	125	0.09341	2.95	20	
Silver	0.009980	0.00500	0.0100		99.8	75	125	0.009885	0.960	20	
Thallium	0.1117	0.00200	0.1000	0.0004646	111	75	125	0.1112	0.394	20	
Tin	0.09928	0.0400	0.1000		99.3	75	125	0.09864	0.651	20	
Vanadium	0.09740	0.0500	0.1000		97.4	75	125	0.09957	2.20	20	
Zinc	0.1098	0.0200	0.1000	0.01027	99.5	75	125	0.1150	4.70	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338060

Sample ID: MB-338060	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 489288							
SampleType: MBLK	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	BatchID: 338060	Analysis Date: 06/22/2022	Seq No: 11395337							
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 1.894 0 2.000 94.7 65.5 137

Sample ID: LCS-338060	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 489288							
SampleType: LCS	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	BatchID: 338060	Analysis Date: 06/22/2022	Seq No: 11395338							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Benzo(a)pyrene 1.443 0.050 2.000 72.1 67.7 129
 Surr: 4-Terphenyl-d14 1.888 0 2.000 94.4 65.5 137

Sample ID: 2206E72-001DMS	Client ID: PHI-GWC-2	Units: ug/L	Prep Date: 06/15/2022	Run No: 489288							
SampleType: MS	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	BatchID: 338060	Analysis Date: 06/22/2022	Seq No: 11397185							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Benzo(a)pyrene 1.508 0.050 2.000 75.4 58.3 120
 Surr: 4-Terphenyl-d14 1.934 0 2.000 96.7 65.5 137

Sample ID: 2206E72-001DMSD	Client ID: PHI-GWC-2	Units: ug/L	Prep Date: 06/15/2022	Run No: 489288							
SampleType: MSD	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	BatchID: 338060	Analysis Date: 06/22/2022	Seq No: 11397189							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Benzo(a)pyrene 1.524 0.050 2.000 76.2 58.3 120 1.508 1.04 27.9
 Surr: 4-Terphenyl-d14 1.973 0 2.000 98.6 65.5 137 1.934 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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338111

Sample ID: MB-338111	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488861							
SampleType: MBLK	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 338111	Analysis Date: 06/16/2022	Seq No: 11382380							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	BRL	0.50									
Aroclor 1221	BRL	0.50									
Aroclor 1232	BRL	0.50									
Aroclor 1242	BRL	0.50									
Aroclor 1248	BRL	0.50									
Aroclor 1254	BRL	0.50									
Aroclor 1260	BRL	0.50									
Surr: Decachlorobiphenyl	0.5852	0	0.5000		117	30	120				
Surr: Tetrachloro-m-xylene	0.3684	0	0.5000		73.7	46.5	120				

Sample ID: LCS-338111	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488861							
SampleType: LCS	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 338111	Analysis Date: 06/16/2022	Seq No: 11382390							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	4.235	0.50	5.000		84.7	73.2	118				
Aroclor 1260	4.845	0.50	5.000		96.9	60	120				
Surr: Decachlorobiphenyl	0.4844	0	0.5000		96.9	30	120				
Surr: Tetrachloro-m-xylene	0.3792	0	0.5000		75.8	46.5	120				

Sample ID: 2206C34-001DMS	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488916							
SampleType: MS	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 338111	Analysis Date: 06/17/2022	Seq No: 11384265							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	4.105	0.50	5.000		82.1	60.4	127				
Aroclor 1260	3.835	0.50	5.000		76.7	51	121				
Surr: Decachlorobiphenyl	0.2315	0	0.5000		46.3	30	120				
Surr: Tetrachloro-m-xylene	0.3369	0	0.5000		67.4	46.5	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338111

Sample ID: 2206C34-001DMSD	Client ID:	Units: ug/L	Prep Date: 06/15/2022	Run No: 488916
SampleType: MSD	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 338111	Analysis Date: 06/17/2022	Seq No: 11384266

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	4.640	0.50	5.000		92.8	60.4	127	4.105	12.2	19	
Aroclor 1260	4.834	0.50	5.000		96.7	51	121	3.835	23.0	20.1	R
Surr: Decachlorobiphenyl	0.3419	0	0.5000		68.4	30	120	0.2315	0	0	
Surr: Tetrachloro-m-xylene	0.3886	0	0.5000		77.7	46.5	120	0.3369	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338116

Sample ID: MB-338116	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488819							
SampleType: MBLK	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 338116	Analysis Date: 06/16/2022	Seq No: 11381096							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2-Dibromo-3-chloropropane	BRL	0.040									
1,2-Dibromoethane	BRL	0.020									
Surr: 4-Bromofluorobenzene	5.461	0	5.000		109	69.7	138				

Sample ID: LCS-338116	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488819							
SampleType: LCS	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 338116	Analysis Date: 06/16/2022	Seq No: 11381097							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2-Dibromo-3-chloropropane	0.1380	0.040	0.1000		138	60	140				
1,2-Dibromoethane	0.1360	0.020	0.1000		136	60	140				
Surr: 4-Bromofluorobenzene	5.308	0	5.000		106	69.7	138				

Sample ID: LCSD-338116	Client ID:	Units: ug/L	Prep Date: 06/16/2022	Run No: 488819							
SampleType: LCSD	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 338116	Analysis Date: 06/16/2022	Seq No: 11381098							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2-Dibromo-3-chloropropane	0.1530	0.040	0.1000		153	60	140	0.1380	10.3	15	S
1,2-Dibromoethane	0.1310	0.020	0.1000		131	60	140	0.1360	3.75	16.7	
Surr: 4-Bromofluorobenzene	5.390	0	5.000		108	69.7	138	5.308	0	0	

Sample ID: 2206E72-004BMS	Client ID: GWC-14R	Units: ug/L	Prep Date: 06/16/2022	Run No: 488819							
SampleType: MS	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 338116	Analysis Date: 06/16/2022	Seq No: 11381104							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2-Dibromo-3-chloropropane	0.1258	0.040	0.0991		127	67.9	135				
1,2-Dibromoethane	0.1050	0.020	0.0991		106	67.7	130				
Surr: 4-Bromofluorobenzene	5.241	0	4.955		106	69.7	138				

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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338116

Sample ID: 2206E72-009BDUP	Client ID: AMW-2	Units: ug/L	Prep Date: 06/16/2022	Run No: 488819
SampleType: DUP	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 338116	Analysis Date: 06/16/2022	Seq No: 11381111

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromo-3-chloropropane	BRL	0.040						0	0	0	
1,2-Dibromoethane	BRL	0.020						0	0	37.8	
Surr: 4-Bromofluorobenzene	5.325	0	4.996		107	69.7	138	5.231	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338141

Sample ID: MB-338141	Client ID:	Units: mg/L	Prep Date: 06/16/2022	Run No: 488974							
SampleType: MBLK	TestCode: Cyanide SW9014	BatchID: 338141	Analysis Date: 06/17/2022	Seq No: 11385964							
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-338141	Client ID:	Units: mg/L	Prep Date: 06/16/2022	Run No: 488974							
SampleType: LCS	TestCode: Cyanide SW9014	BatchID: 338141	Analysis Date: 06/17/2022	Seq No: 11385965							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.2430 0.010 0.2500 97.2 85 115

Sample ID: 2206E72-001EMS	Client ID: PH1-GWC-2	Units: mg/L	Prep Date: 06/16/2022	Run No: 488974							
SampleType: MS	TestCode: Cyanide SW9014	BatchID: 338141	Analysis Date: 06/17/2022	Seq No: 11385967							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.2670 0.010 0.2500 107 70 130

Sample ID: 2206E72-001EMSD	Client ID: PH1-GWC-2	Units: mg/L	Prep Date: 06/16/2022	Run No: 488974							
SampleType: MSD	TestCode: Cyanide SW9014	BatchID: 338141	Analysis Date: 06/17/2022	Seq No: 11385968							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.2420 0.010 0.2500 96.8 70 130 0.2670 9.82 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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: MB-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388925							
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-Trichlorobenzene	BRL	1.0									
1,2,3-Trichloropropane	BRL	1.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2,4-Trimethylbenzene	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-Dichloroethene, Total	BRL	3.0									
1,2-Dichloropropane	BRL	1.0									
1,3,5-Trimethylbenzene	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,3-Dichloropropane	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
1,4-Dioxane	BRL	150									
2,2-Dichloropropane	BRL	2.0									
2-Butanone	BRL	10									
2-Chloroethyl vinyl ether	BRL	5.0									
2-Chlorotoluene	BRL	1.0									
2-Hexanone	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: MB-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388925							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chlorotoluene	BRL	1.0									
4-Isopropyltoluene	BRL	2.0									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Acrolein	BRL	20									
Acrylonitrile	BRL	5.0									
Benzene	BRL	1.0									
Bromobenzene	BRL	1.0									
Bromochloromethane	BRL	1.0									
Bromodichloromethane	BRL	1.0									
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									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dibromomethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Hexachlorobutadiene	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: MB-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388925							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Iodomethane	BRL	2.0									
Isopropylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylcyclohexane	BRL	2.0									
Methylene chloride	BRL	5.0									
n-Butylbenzene	BRL	1.0									
n-Propylbenzene	BRL	1.0									
Naphthalene	BRL	5.0									
o-Xylene	BRL	1.0									
sec-Butylbenzene	BRL	2.0									
Styrene	BRL	1.0									
tert-Butylbenzene	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									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	44.92	0	50.00		89.8	75	118				
Surr: Dibromofluoromethane	47.68	0	50.00		95.4	82.5	121				
Surr: Toluene-d8	48.47	0	50.00		96.9	78.3	118				

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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: MB-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388951							
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									
Ethanol	BRL	100									
Ethyl acetate	BRL	10									N
Ethyl Methacrylate	BRL	10									
iso-Butyraldehyde	BRL	10									
Isobutyl Alcohol	BRL	200									
Isopropyl acetate	BRL	10									
Isopropyl alcohol	BRL	100									
Isopropyl ether	BRL	5.0									
Methyl formate	BRL	100									
Methyl Methacrylate	BRL	10									
Methylacrylonitrile	BRL	200									
n-Amyl acetate	BRL	10									
n-Butyl acetate	BRL	10									
n-Heptane	BRL	10									N
Pentachloroethane	BRL	10									
Propionitrile	BRL	100									
Tetrahydrofuran	BRL	10									
Surr: 4-Bromofluorobenzene	47.61	0	50.00		95.2	75	118				
Surr: Dibromofluoromethane	54.89	0	50.00		110	82.5	121				
Surr: Toluene-d8	52.72	0	50.00		105	78.3	118				

Sample ID: LCS-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388926							
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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: LCS-338346	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489080							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/17/2022	Seq No: 11388926							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	18.21	2.0	20.00		91.0	71	130				
Benzene	18.30	1.0	20.00		91.5	80.4	126				
Chlorobenzene	21.03	1.0	20.00		105	81	120				
Toluene	18.82	1.0	20.00		94.1	79.2	124				
Trichloroethene	18.84	1.0	20.00		94.2	78.4	125				
Surr: 4-Bromofluorobenzene	46.32	0	50.00		92.6	75	118				
Surr: Dibromofluoromethane	49.33	0	50.00		98.7	82.5	121				
Surr: Toluene-d8	49.39	0	50.00		98.8	78.3	118				

Sample ID: 2206E69-005AMS	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489040							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/19/2022	Seq No: 11387915							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	15.73	2.0	20.00		78.6	67.6	143				
Benzene	18.57	1.0	20.00		92.8	70.5	136				
Chlorobenzene	18.92	1.0	20.00		94.6	77.1	133				
Toluene	18.58	1.0	20.00		92.9	66.4	140				
Trichloroethene	19.58	1.0	20.00		97.9	75.1	140				
Surr: 4-Bromofluorobenzene	51.57	0	50.00		103	75	118				
Surr: Dibromofluoromethane	47.13	0	50.00		94.3	82.5	121				
Surr: Toluene-d8	49.50	0	50.00		99.0	78.3	118				

Sample ID: 2206E69-005AMSD	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489040							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/19/2022	Seq No: 11387916							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	16.55	2.0	20.00		82.8	67.6	143	15.73	5.08	19.6	
Benzene	19.20	1.0	20.00		96.0	70.5	136	18.57	3.34	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338346

Sample ID: 2206E69-005AMSD	Client ID:	Units: ug/L	Prep Date: 06/17/2022	Run No: 489040							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 338346	Analysis Date: 06/19/2022	Seq No: 11387916							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	19.60	1.0	20.00		98.0	77.1	133	18.92	3.53	20	
Toluene	19.69	1.0	20.00		98.4	66.4	140	18.58	5.80	20	
Trichloroethene	19.97	1.0	20.00		99.8	75.1	140	19.58	1.97	20	
Surr: 4-Bromofluorobenzene	50.36	0	50.00		101	75	118	51.57	0	0	
Surr: Dibromofluoromethane	46.59	0	50.00		93.2	82.5	121	47.13	0	0	
Surr: Toluene-d8	49.43	0	50.00		98.9	78.3	118	49.50	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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338886

Sample ID: MB-338886	Client ID:	Units: mg/L	Prep Date: 06/30/2022	Run No: 490023							
SampleType: MBLK	TestCode: Total Mercury E245.1	BatchID: 338886	Analysis Date: 06/30/2022	Seq No: 11422905							
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: MB-338886	Client ID:	Units: mg/L	Prep Date: 06/30/2022	Run No: 490024							
SampleType: MBLK	TestCode: Mercury, Total SW7470A	BatchID: 338886	Analysis Date: 06/30/2022	Seq No: 11422933							
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-338886	Client ID:	Units: mg/L	Prep Date: 06/30/2022	Run No: 490023							
SampleType: LCS	TestCode: Total Mercury E245.1	BatchID: 338886	Analysis Date: 06/30/2022	Seq No: 11422906							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004107 0.00020 0.0040 103 85 115

Sample ID: LCS-338886	Client ID:	Units: mg/L	Prep Date: 06/30/2022	Run No: 490024							
SampleType: LCS	TestCode: Mercury, Total SW7470A	BatchID: 338886	Analysis Date: 06/30/2022	Seq No: 11422934							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004107 0.00020 0.0040 103 80 120

Sample ID: 2206E72-001CMS	Client ID: PH1-GWC-2	Units: mg/L	Prep Date: 06/30/2022	Run No: 490023							
SampleType: MS	TestCode: Total Mercury E245.1	BatchID: 338886	Analysis Date: 06/30/2022	Seq No: 11422917							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004484 0.00020 0.0040 0.0002970 105 70 130

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: 2206E72

ANALYTICAL QC SUMMARY REPORT

BatchID: 338886

Sample ID: 2206H53-001AMS	Client ID:	Units: mg/L	Prep Date: 06/30/2022	Run No: 490023							
SampleType: MS	TestCode: Total Mercury E245.1	BatchID: 338886	Analysis Date: 06/30/2022	Seq No: 11422912							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004230 0.00020 0.0040 106 70 130

Sample ID: 2206H53-001AMS	Client ID:	Units: mg/L	Prep Date: 06/30/2022	Run No: 490024							
SampleType: MS	TestCode: Mercury, Total SW7470A	BatchID: 338886	Analysis Date: 06/30/2022	Seq No: 11422938							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004230 0.00020 0.0040 106 75 125

Sample ID: 2206H53-001AMSD	Client ID:	Units: mg/L	Prep Date: 06/30/2022	Run No: 490023							
SampleType: MSD	TestCode: Total Mercury E245.1	BatchID: 338886	Analysis Date: 06/30/2022	Seq No: 11422914							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004230 0.00020 0.0040 106 70 130 0.004230 0 20

Sample ID: 2206H53-001AMSD	Client ID:	Units: mg/L	Prep Date: 06/30/2022	Run No: 490024							
SampleType: MSD	TestCode: Mercury, Total SW7470A	BatchID: 338886	Analysis Date: 06/30/2022	Seq No: 11422939							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004230 0.00020 0.0040 106 75 125 0.004230 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

End of Report

ATTACHMENT B
STATISTICAL ANALYSIS

**STATISTICAL ANALYSIS:
Kruskal-Wallis Non-Parametric Test**

Forsyth County - Hightower Road MSWLF - Phase I
First 2022 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
1,1-Dichloroethane	PH1-GWA-1	FALSE	1%
1,1-Dichloroethane	PH1-GWA-1A	FALSE	1%
1,1-Dichloroethane	PH1-GWA-2	FALSE	1%
1,1-Dichloroethane	PH1-GWB-1	FALSE	1%
1,1-Dichloroethane	PH1-GWC-2	TRUE	1%
1,1-Dichloroethane	GWC-1	FALSE	1%
1,1-Dichloroethane	PH1-GWB-2	FALSE	1%
1,1-Dichloroethane	PH1-GWC-1	FALSE	1%
1,1-Dichloroethane	PH1-GWC-3	TRUE	1%
1,1-Dichloroethane	PH1-GWC-3A	TRUE	1%
1,1-Dichloroethane	PH1-GWC-4	FALSE	1%
1,1-Dichloroethane	PH1-GWA-1	FALSE	0.45%
1,1-Dichloroethane	PH1-GWA-1A	FALSE	0.45%
1,1-Dichloroethane	PH1-GWA-2	FALSE	0.45%
1,1-Dichloroethane	PH1-GWB-1	FALSE	0.45%
1,1-Dichloroethane	PH1-GWC-2	TRUE	0.45%
1,1-Dichloroethane	GWC-1	FALSE	0.45%
1,1-Dichloroethane	PH1-GWB-2	FALSE	0.45%
1,1-Dichloroethane	PH1-GWC-1	FALSE	0.45%
1,1-Dichloroethane	PH1-GWC-3	TRUE	0.45%
1,1-Dichloroethane	PH1-GWC-3A	TRUE	0.45%
1,1-Dichloroethane	PH1-GWC-4	FALSE	0.45%
cis-1,2-Dichloroethene	PH1-GWA-1	TRUE	1%
cis-1,2-Dichloroethene	PH1-GWA-1A	FALSE	1%
cis-1,2-Dichloroethene	PH1-GWA-2	TRUE	1%
cis-1,2-Dichloroethene	PH1-GWB-1	FALSE	1%
cis-1,2-Dichloroethene	PH1-GWC-2	TRUE	1%
cis-1,2-Dichloroethene	GWC-1	FALSE	1%
cis-1,2-Dichloroethene	PH1-GWB-2	FALSE	1%
cis-1,2-Dichloroethene	PH1-GWC-1	FALSE	1%
cis-1,2-Dichloroethene	PH1-GWC-3	TRUE	1%
cis-1,2-Dichloroethene	PH1-GWC-3A	TRUE	1%
cis-1,2-Dichloroethene	PH1-GWC-4	FALSE	1%
cis-1,2-Dichloroethene	PH1-GWA-1	TRUE	0.45%
cis-1,2-Dichloroethene	PH1-GWA-1A	FALSE	0.45%
cis-1,2-Dichloroethene	PH1-GWA-2	TRUE	0.45%
cis-1,2-Dichloroethene	PH1-GWB-1	FALSE	0.45%
cis-1,2-Dichloroethene	PH1-GWC-2	TRUE	0.45%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phase I
First 2022 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
cis-1,2-Dichloroethene	GWC-1	FALSE	0.45%
cis-1,2-Dichloroethene	PH1-GWB-2	FALSE	0.45%
cis-1,2-Dichloroethene	PH1-GWC-1	FALSE	0.45%
cis-1,2-Dichloroethene	PH1-GWC-3	TRUE	0.45%
cis-1,2-Dichloroethene	PH1-GWC-3A	TRUE	0.45%
cis-1,2-Dichloroethene	PH1-GWC-4	FALSE	0.45%
Tetrachloroethene	PH1-GWA-1	FALSE	1%
Tetrachloroethene	PH1-GWA-1A	FALSE	1%
Tetrachloroethene	PH1-GWA-2	FALSE	1%
Tetrachloroethene	PH1-GWB-1	FALSE	1%
Tetrachloroethene	PH1-GWC-2	TRUE	1%
Tetrachloroethene	GWC-1	FALSE	1%
Tetrachloroethene	PH1-GWB-2	FALSE	1%
Tetrachloroethene	PH1-GWC-1	FALSE	1%
Tetrachloroethene	PH1-GWC-3	TRUE	1%
Tetrachloroethene	PH1-GWC-3A	TRUE	1%
Tetrachloroethene	PH1-GWC-4	FALSE	1%
Tetrachloroethene	PH1-GWA-1	FALSE	0.45%
Tetrachloroethene	PH1-GWA-1A	FALSE	0.45%
Tetrachloroethene	PH1-GWA-2	FALSE	0.45%
Tetrachloroethene	PH1-GWB-1	FALSE	0.45%
Tetrachloroethene	PH1-GWC-2	TRUE	0.45%
Tetrachloroethene	GWC-1	FALSE	0.45%
Tetrachloroethene	PH1-GWB-2	FALSE	0.45%
Tetrachloroethene	PH1-GWC-1	FALSE	0.45%
Tetrachloroethene	PH1-GWC-3	TRUE	0.45%
Tetrachloroethene	PH1-GWC-3A	TRUE	0.45%
Tetrachloroethene	PH1-GWC-4	FALSE	0.45%
Trichloroethene	PH1-GWA-1	FALSE	1%
Trichloroethene	PH1-GWA-1A	FALSE	1%
Trichloroethene	PH1-GWA-2	TRUE	1%
Trichloroethene	PH1-GWB-1	FALSE	1%
Trichloroethene	PH1-GWC-2	TRUE	1%
Trichloroethene	GWC-1	FALSE	1%
Trichloroethene	PH1-GWB-2	FALSE	1%
Trichloroethene	PH1-GWC-1	FALSE	1%
Trichloroethene	PH1-GWC-3	TRUE	1%
Trichloroethene	PH1-GWC-3A	TRUE	1%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phase I
First 2022 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Trichloroethene	PH1-GWC-4	FALSE	1%
Trichloroethene	PH1-GWA-1	FALSE	0.45%
Trichloroethene	PH1-GWA-1A	FALSE	0.45%
Trichloroethene	PH1-GWA-2	TRUE	0.45%
Trichloroethene	PH1-GWB-1	FALSE	0.45%
Trichloroethene	PH1-GWC-2	TRUE	0.45%
Trichloroethene	GWC-1	FALSE	0.45%
Trichloroethene	PH1-GWB-2	FALSE	0.45%
Trichloroethene	PH1-GWC-1	FALSE	0.45%
Trichloroethene	PH1-GWC-3	TRUE	0.45%
Trichloroethene	PH1-GWC-3A	TRUE	0.45%
Trichloroethene	PH1-GWC-4	FALSE	0.45%
Barium	PH1-GWA-1A	TRUE	1%
Barium	PH1-GWC-2	FALSE	1%
Barium	PH1-GWA-1	FALSE	1%
Barium	PH1-GWA-2	TRUE	1%
Barium	PH1-GWB-1	TRUE	1%
Barium	GWC-1	TRUE	1%
Barium	PH1-GWB-2	FALSE	1%
Barium	PH1-GWC-1	TRUE	1%
Barium	PH1-GWC-3	TRUE	1%
Barium	PH1-GWC-3A	TRUE	1%
Barium	PH1-GWC-4	TRUE	1%
Barium	PH1-GWA-1A	FALSE	0.45%
Barium	PH1-GWC-2	FALSE	0.45%
Barium	PH1-GWA-1	FALSE	0.45%
Barium	PH1-GWA-2	TRUE	0.45%
Barium	PH1-GWB-1	TRUE	0.45%
Barium	GWC-1	TRUE	0.45%
Barium	PH1-GWB-2	FALSE	0.45%
Barium	PH1-GWC-1	TRUE	0.45%
Barium	PH1-GWC-3	TRUE	0.45%
Barium	PH1-GWC-3A	TRUE	0.45%
Barium	PH1-GWC-4	TRUE	0.45%
Chromium	PH1-GWA-1A	FALSE	1%
Chromium	PH1-GWC-2	FALSE	1%
Chromium	PH1-GWA-1	FALSE	1%
Chromium	PH1-GWA-2	FALSE	1%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phase I
First 2022 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Chromium	PH1-GWB-1	FALSE	1%
Chromium	GWC-1	FALSE	1%
Chromium	PH1-GWB-2	FALSE	1%
Chromium	PH1-GWC-1	FALSE	1%
Chromium	PH1-GWC-3	FALSE	1%
Chromium	PH1-GWC-3A	FALSE	1%
Chromium	PH1-GWC-4	FALSE	1%
Chromium	PH1-GWA-1A	FALSE	0.45%
Chromium	PH1-GWC-2	FALSE	0.45%
Chromium	PH1-GWA-1	FALSE	0.45%
Chromium	PH1-GWA-2	FALSE	0.45%
Chromium	PH1-GWB-1	FALSE	0.45%
Chromium	GWC-1	FALSE	0.45%
Chromium	PH1-GWB-2	FALSE	0.45%
Chromium	PH1-GWC-1	FALSE	0.45%
Chromium	PH1-GWC-3	FALSE	0.45%
Chromium	PH1-GWC-3A	FALSE	0.45%
Chromium	PH1-GWC-4	FALSE	0.45%
Cobalt	PH1-GWA-1A	FALSE	1%
Cobalt	PH1-GWC-2	FALSE	1%
Cobalt	PH1-GWA-1	TRUE	1%
Cobalt	PH1-GWA-2	FALSE	1%
Cobalt	PH1-GWB-1	FALSE	1%
Cobalt	GWC-1	FALSE	1%
Cobalt	PH1-GWB-2	FALSE	1%
Cobalt	PH1-GWC-1	FALSE	1%
Cobalt	PH1-GWC-3	FALSE	1%
Cobalt	PH1-GWC-3A	FALSE	1%
Cobalt	PH1-GWC-4	FALSE	1%
Cobalt	PH1-GWA-1A	FALSE	0.45%
Cobalt	PH1-GWC-2	FALSE	0.45%
Cobalt	PH1-GWA-1	TRUE	0.45%
Cobalt	PH1-GWA-2	FALSE	0.45%
Cobalt	PH1-GWB-1	FALSE	0.45%
Cobalt	GWC-1	FALSE	0.45%
Cobalt	PH1-GWB-2	FALSE	0.45%
Cobalt	PH1-GWC-1	FALSE	0.45%
Cobalt	PH1-GWC-3	FALSE	0.45%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phase I
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Cobalt	PH1-GWC-3A	FALSE	0.45%
Cobalt	PH1-GWC-4	FALSE	0.45%
Zinc	PH1-GWA-1A	FALSE	1%
Zinc	PH1-GWC-2	FALSE	1%
Zinc	PH1-GWA-1	TRUE	1%
Zinc	PH1-GWA-2	FALSE	1%
Zinc	PH1-GWB-1	FALSE	1%
Zinc	GWC-1	FALSE	1%
Zinc	PH1-GWB-2	TRUE	1%
Zinc	PH1-GWC-1	FALSE	1%
Zinc	PH1-GWC-3	FALSE	1%
Zinc	PH1-GWC-3A	FALSE	1%
Zinc	PH1-GWC-4	TRUE	1%
Zinc	PH1-GWA-1A	FALSE	0.45%
Zinc	PH1-GWC-2	FALSE	0.45%
Zinc	PH1-GWA-1	TRUE	0.45%
Zinc	PH1-GWA-2	FALSE	0.45%
Zinc	PH1-GWB-1	FALSE	0.45%
Zinc	GWC-1	FALSE	0.45%
Zinc	PH1-GWB-2	TRUE	0.45%
Zinc	PH1-GWC-1	FALSE	0.45%
Zinc	PH1-GWC-3	FALSE	0.45%
Zinc	PH1-GWC-3A	FALSE	0.45%
Zinc	PH1-GWC-4	FALSE	0.45%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Kruskal-Wallis Non-Parametric Test

Parameter: 1,1-Dichloroethane

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks**Background Locations**

Loc. ID	Date	Value	Rank
PH1-GWA-4	12/7/2016	ND<1	61.5
	6/15/2017	ND<1	61.5
	12/12/2017	ND<1	61.5
	6/18/2018	ND<1	61.5
	12/18/2018	ND<1	61.5
	6/11/2019	ND<1	61.5
	12/9/2019	ND<1	61.5
	6/24/2020	ND<1	61.5
	12/15/2020	ND<1	61.5
	6/16/2021	ND<1	61.5
	12/14/2021	ND<1	61.5
	6/7/2022	ND<1	61.5

Rank Sum = 738

Rank Mean = 61.5

PH1-GWA-3A	12/9/2016	ND<1	61.5
	6/14/2017	ND<1	61.5
	12/11/2017	ND<1	61.5
	6/18/2018	ND<1	61.5
	12/17/2018	ND<1	61.5
	6/13/2019	ND<1	61.5
	12/12/2019	ND<1	61.5
	6/25/2020	ND<1	61.5
	12/18/2020	ND<1	61.5
	6/15/2021	ND<1	61.5
	12/15/2021	ND<1	61.5
	6/6/2022	ND<1	61.5

Rank Sum = 738

Rank Mean = 61.5

Background Rank Sum = 1476

Background Rank Mean = 61.5

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWA-1	12/7/2016	ND<1	61.5
	6/13/2017	ND<1	61.5
	12/13/2017	ND<1	61.5
	6/19/2018	ND<1	61.5
	12/18/2018	ND<1	61.5
	6/10/2019	ND<1	61.5
	12/9/2019	ND<1	61.5
	6/22/2020	ND<1	61.5
	12/15/2020	ND<1	61.5
	6/15/2021	ND<1	61.5
	12/13/2021	ND<1	61.5

6/8/2022 ND<1 61.5

Rank Sum = 738

Rank Mean = 61.5

PH1-GWA-1A	12/7/2016	ND<1	61.5
	6/12/2017	ND<1	61.5
	12/13/2017	ND<1	61.5
	6/19/2018	ND<1	61.5
	12/18/2018	ND<1	61.5
	6/10/2019	ND<1	61.5
	12/10/2019	ND<1	61.5
	6/22/2020	ND<1	61.5
	12/18/2020	ND<1	61.5
	6/15/2021	ND<1	61.5
	12/13/2021	ND<1	61.5
	6/8/2022	ND<1	61.5

Rank Sum = 738

Rank Mean = 61.5

PH1-GWA-2	12/7/2016	ND<1	61.5
	6/15/2017	ND<1	61.5
	12/13/2017	ND<1	61.5
	6/18/2018	ND<1	61.5
	12/18/2018	ND<1	61.5
	6/11/2019	ND<1	61.5
	12/9/2019	ND<1	61.5
	6/24/2020	ND<1	61.5
	12/15/2020	ND<1	61.5
	6/16/2021	ND<1	61.5
	12/14/2021	ND<1	61.5
	6/7/2022	ND<1	61.5

Rank Sum = 738

Rank Mean = 61.5

PH1-GWB-1	12/7/2016	ND<1	61.5
	6/15/2017	ND<1	61.5
	12/12/2017	ND<1	61.5
	6/18/2018	ND<1	61.5
	12/17/2018	ND<1	61.5
	6/11/2019	ND<1	61.5
	12/10/2019	ND<1	61.5
	6/24/2020	ND<1	61.5
	12/17/2020	ND<1	61.5
	6/14/2021	ND<1	61.5
	12/13/2021	ND<1	61.5
	6/7/2022	ND<1	61.5

Rank Sum = 738

Rank Mean = 61.5

PH1-GWC-2	12/7/2016	3.2	143
	6/13/2017	3	136
	12/13/2017	3.4	148
	6/19/2018	ND<1	61.5
	12/18/2018	2.8	131
	6/10/2019	3	137
	12/10/2019	3.7	153
	6/22/2020	3.1	140

1,1-Dichloroethane

12/17/2020	3.8	154
6/17/2021	3	138
12/14/2021	2.9	134
6/8/2022	ND<1	61.5

Rank Sum = 1537
Rank Mean = 128.083

GWC-1	12/8/2016	ND<1	61.5
	6/13/2017	ND<1	61.5
	12/13/2017	ND<1	61.5
	6/19/2018	ND<1	61.5
	12/17/2018	ND<1	61.5
	6/13/2019	ND<1	61.5
	12/10/2019	ND<1	61.5
	6/22/2020	ND<1	61.5
	12/16/2020	ND<1	61.5
	6/15/2021	ND<1	61.5
	12/15/2021	ND<1	61.5
	6/7/2022	ND<1	61.5

Rank Sum = 738
Rank Mean = 61.5

PH1-GWB-2	12/8/2016	ND<1	61.5
	6/15/2017	ND<1	61.5
	12/11/2017	ND<1	61.5
	6/19/2018	ND<1	61.5
	12/17/2018	ND<1	61.5
	6/12/2019	ND<1	61.5
	12/12/2019	ND<1	61.5
	6/24/2020	ND<1	61.5
	12/17/2020	ND<1	61.5
	6/16/2021	ND<1	61.5
	12/13/2021	ND<1	61.5
	6/9/2022	ND<1	61.5

Rank Sum = 738
Rank Mean = 61.5

PH1-GWC-1	12/8/2016	ND<1	61.5
	6/15/2017	ND<1	61.5
	12/11/2017	ND<1	61.5
	6/19/2018	ND<1	61.5
	12/19/2018	ND<1	61.5
	6/13/2019	ND<1	61.5
	12/11/2019	ND<1	61.5
	6/22/2020	ND<1	61.5
	12/17/2020	ND<1	61.5
	6/16/2021	ND<1	61.5
	12/15/2021	ND<1	61.5
	6/9/2022	ND<1	61.5

Rank Sum = 738
Rank Mean = 61.5

PH1-GWC-3	12/8/2016	3.6	150
	6/13/2017	2.7	129
	12/12/2017	3.6	151
	6/19/2018	3.2	144
	12/18/2018	2.7	130

1,1-Dichloroethane

6/10/2019	3.3	147
12/9/2019	4	155
6/22/2020	2.9	135
12/15/2020	3.6	152
6/14/2021	3.4	149
12/14/2021	3.2	145
6/7/2022	3.2	146

Rank Sum = 1733
Rank Mean = 144.417

PH1-GWC-3A	12/8/2016	2.8	132
	6/13/2017	2	123
	12/12/2017	2.6	127
	6/19/2018	2.6	128
	12/18/2018	2.3	124
	6/10/2019	2.5	126
	12/9/2019	3.1	141
	6/26/2020	ND<1	61.5
	12/15/2020	3	139
	6/14/2021	2.8	133
	12/14/2021	2.3	125
	6/7/2022	3.1	142

Rank Sum = 1501.5
Rank Mean = 125.125

PH1-GWC-4	12/8/2016	ND<1	61.5
	6/15/2017	ND<1	61.5
	12/11/2017	ND<1	61.5
	6/19/2018	ND<1	61.5
	12/19/2018	ND<1	61.5
	6/13/2019	ND<1	61.5
	6/22/2020	ND<1	61.5
	12/17/2020	ND<1	61.5
	6/16/2021	ND<1	61.5
	12/15/2021	ND<1	61.5
	6/6/2022	ND<1	61.5

Rank Sum = 676.5
Rank Mean = 61.5

Calculation Results:

Kruskal-Wallis H Statistic = 70.5117

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 137.614

95% Confidence comparison value is 19.6752 at 11 degrees of freedom

70.5117 > 19.6752 indicating a significant group difference at 5% significance level

137.614 > 19.6752 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 61.5

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1	61.5	0	36.9204
PH1-GWA-1A	61.5	0	36.9204
PH1-GWA-2	61.5	0	36.9204
PH1-GWB-1	61.5	0	36.9204
PH1-GWC-2	128.083	66.5833	36.9204

1,1-Dichloroethane

GWC-1	61.5	0	36.9204
PH1-GWB-2	61.5	0	36.9204
PH1-GWC-1	61.5	0	36.9204
PH1-GWC-3	144.417	82.9167	36.9204
PH1-GWC-3A	125.125	63.625	36.9204
PH1-GWC-4	61.5	0	38.0227

**Individual Well Comparisons at Groupwise 5% Significance Level
(0.454545% Significance Level per comparison)**

0.454545% Z score is 2.65209
Mean background rank is 61.5

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1	61.5	0	42.0901
PH1-GWA-1A	61.5	0	42.0901
PH1-GWA-2	61.5	0	42.0901
PH1-GWB-1	61.5	0	42.0901
PH1-GWC-2	128.083	66.5833	42.0901
GWC-1	61.5	0	42.0901
PH1-GWB-2	61.5	0	42.0901
PH1-GWC-1	61.5	0	42.0901
PH1-GWC-3	144.417	82.9167	42.0901
PH1-GWC-3A	125.125	63.625	42.0901
PH1-GWC-4	61.5	0	43.3468

cis-1,2-Dichloroethene

Kruskal-Wallis Non-Parametric Test

Parameter: cis-1,2-Dichloroethene

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
PH1-GWA-4	12/7/2016	ND<1	47.5
	6/15/2017	ND<1	47.5
	12/12/2017	ND<1	47.5
	6/18/2018	ND<1	47.5
	12/18/2018	ND<1	47.5
	6/11/2019	ND<1	47.5
	12/9/2019	ND<1	47.5
	6/24/2020	ND<1	47.5
	12/15/2020	ND<1	47.5
	6/16/2021	ND<1	47.5
	12/14/2021	ND<1	47.5
	6/7/2022	ND<1	47.5

Rank Sum = 570

Rank Mean = 47.5

PH1-GWA-3A	12/9/2016	ND<1	47.5
	6/14/2017	ND<1	47.5
	12/11/2017	ND<1	47.5
	6/18/2018	ND<1	47.5
	12/17/2018	ND<1	47.5
	6/13/2019	ND<1	47.5
	12/12/2019	ND<1	47.5
	6/25/2020	ND<1	47.5
	12/18/2020	ND<1	47.5
	6/15/2021	ND<1	47.5
	12/15/2021	ND<1	47.5
	6/6/2022	ND<1	47.5

Rank Sum = 570

Rank Mean = 47.5

Background Rank Sum = 1140

Background Rank Mean = 47.5

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWA-1	12/7/2016	5	109
	6/13/2017	5.2	111
	12/13/2017	3.5	103
	6/19/2018	3.1	100
	12/18/2018	2.4	98
	6/10/2019	5.2	112
	12/9/2019	3.7	104
	6/22/2020	4	105
	12/15/2020	4.3	107
	6/15/2021	5.8	115
	12/13/2021	4.1	106

cis-1,2-Dichloroethene

	6/8/2022	2.3	96
Rank Sum = 1266			
Rank Mean = 105.5			
<hr/>			
PH1-GWA-1A	12/7/2016	ND<1	47.5
	6/12/2017	ND<1	47.5
	12/13/2017	ND<1	47.5
	6/19/2018	ND<1	47.5
	12/18/2018	ND<1	47.5
	6/10/2019	ND<1	47.5
	12/10/2019	ND<1	47.5
	6/22/2020	ND<1	47.5
	12/18/2020	ND<1	47.5
	6/15/2021	ND<1	47.5
	12/13/2021	ND<1	47.5
	6/8/2022	ND<1	47.5
Rank Sum = 570			
Rank Mean = 47.5			
<hr/>			
PH1-GWA-2	12/7/2016	70	154
	6/15/2017	49	150
	12/13/2017	64	153
	6/18/2018	46	149
	12/18/2018	55	152
	6/11/2019	26	140
	12/9/2019	120	155
	6/24/2020	42	148
	12/15/2020	52	151
	6/16/2021	34	146
	12/14/2021	35	147
	6/7/2022	26	141
Rank Sum = 1786			
Rank Mean = 148.833			
<hr/>			
PH1-GWB-1	12/7/2016	ND<1	47.5
	6/15/2017	ND<1	47.5
	12/12/2017	ND<1	47.5
	6/18/2018	ND<1	47.5
	12/17/2018	ND<1	47.5
	6/11/2019	ND<1	47.5
	12/10/2019	ND<1	47.5
	6/24/2020	ND<1	47.5
	12/17/2020	ND<1	47.5
	6/14/2021	ND<1	47.5
	12/13/2021	ND<1	47.5
	6/7/2022	ND<1	47.5
Rank Sum = 570			
Rank Mean = 47.5			
<hr/>			
PH1-GWC-2	12/7/2016	2.3	97
	6/13/2017	4.4	108
	12/13/2017	3.1	101
	6/19/2018	2.2	95
	12/18/2018	3.3	102
	6/10/2019	5.1	110
	12/10/2019	5.7	114
	6/22/2020	6	116

cis-1,2-Dichloroethene

	12/17/2020	7.8	119
	6/17/2021	7	118
	12/14/2021	6.7	117
	6/8/2022	5.6	113
Rank Sum = 1310			
Rank Mean = 109.167			
<hr/>			
GWC-1	12/8/2016	ND<1	47.5
	6/13/2017	ND<1	47.5
	12/13/2017	ND<1	47.5
	6/19/2018	ND<1	47.5
	12/17/2018	ND<1	47.5
	6/13/2019	ND<1	47.5
	12/10/2019	ND<1	47.5
	6/22/2020	ND<1	47.5
	12/16/2020	ND<1	47.5
	6/15/2021	ND<1	47.5
	12/15/2021	ND<1	47.5
	6/7/2022	ND<1	47.5
Rank Sum = 570			
Rank Mean = 47.5			
<hr/>			
PH1-GWB-2	12/8/2016	ND<1	47.5
	6/15/2017	ND<1	47.5
	12/11/2017	ND<1	47.5
	6/19/2018	ND<1	47.5
	12/17/2018	2.6	99
	6/12/2019	ND<1	47.5
	12/12/2019	ND<1	47.5
	6/24/2020	ND<1	47.5
	12/17/2020	ND<1	47.5
	6/16/2021	ND<1	47.5
	12/13/2021	ND<1	47.5
	6/9/2022	ND<1	47.5
Rank Sum = 621.5			
Rank Mean = 51.7917			
<hr/>			
PH1-GWC-1	12/8/2016	ND<1	47.5
	6/15/2017	ND<1	47.5
	12/11/2017	ND<1	47.5
	6/19/2018	ND<1	47.5
	12/19/2018	ND<1	47.5
	6/13/2019	ND<1	47.5
	12/11/2019	ND<1	47.5
	6/22/2020	ND<1	47.5
	12/17/2020	ND<1	47.5
	6/16/2021	ND<1	47.5
	12/15/2021	ND<1	47.5
	6/9/2022	ND<1	47.5
Rank Sum = 570			
Rank Mean = 47.5			
<hr/>			
PH1-GWC-3	12/8/2016	15	129
	6/13/2017	14	126
	12/12/2017	15	130
	6/19/2018	15	131
	12/18/2018	15	132

cis-1,2-Dichloroethene

6/10/2019	19	135
12/9/2019	27	144
6/22/2020	20	138
12/15/2020	26	142
6/14/2021	28	145
12/14/2021	25	139
6/7/2022	26	143

Rank Sum = 1634
Rank Mean = 136.167

PH1-GWC-3A	12/8/2016	11	122
	6/13/2017	11	123
	12/12/2017	10	121
	6/19/2018	12	125
	12/18/2018	9.2	120
	6/10/2019	11	124
	12/9/2019	16	133
	6/26/2020	14	127
	12/15/2020	16	134
	6/14/2021	19	136
	12/14/2021	14	128
	6/7/2022	19	137

Rank Sum = 1530
Rank Mean = 127.5

PH1-GWC-4	12/8/2016	ND<1	47.5
	6/15/2017	ND<1	47.5
	12/11/2017	ND<1	47.5
	6/19/2018	ND<1	47.5
	12/19/2018	ND<1	47.5
	6/13/2019	ND<1	47.5
	6/22/2020	ND<1	47.5
	12/17/2020	ND<1	47.5
	6/16/2021	ND<1	47.5
	12/15/2021	ND<1	47.5
	6/6/2022	ND<1	47.5

Rank Sum = 522.5
Rank Mean = 47.5

Calculation Results:

Kruskal-Wallis H Statistic = 117.318
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 150.994
95% Confidence comparison value is 19.6752 at 11 degrees of freedom

117.318 > 19.6752 indicating a significant group difference at 5% significance level
150.994 > 19.6752 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 47.5

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1	105.5	58	36.9204
PH1-GWA-1A	47.5	0	36.9204
PH1-GWA-2	148.833	101.333	36.9204
PH1-GWB-1	47.5	0	36.9204
PH1-GWC-2	109.167	61.6667	36.9204

cis-1,2-Dichloroethene

GWC-1	47.5	0	36.9204
PH1-GWB-2	51.7917	4.29167	36.9204
PH1-GWC-1	47.5	0	36.9204
PH1-GWC-3	136.167	88.6667	36.9204
PH1-GWC-3A	127.5	80	36.9204
PH1-GWC-4	47.5	0	38.0227

Individual Well Comparisons at Groupwise 5% Significance Level (0.454545% Significance Level per comparison)

0.454545% Z score is 2.65209

Mean background rank is 47.5

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1	105.5	58	42.0901
PH1-GWA-1A	47.5	0	42.0901
PH1-GWA-2	148.833	101.333	42.0901
PH1-GWB-1	47.5	0	42.0901
PH1-GWC-2	109.167	61.6667	42.0901
GWC-1	47.5	0	42.0901
PH1-GWB-2	51.7917	4.29167	42.0901
PH1-GWC-1	47.5	0	42.0901
PH1-GWC-3	136.167	88.6667	42.0901
PH1-GWC-3A	127.5	80	42.0901
PH1-GWC-4	47.5	0	43.3468

Tetrachloroethene

Kruskal-Wallis Non-Parametric Test

Parameter: Tetrachloroethene

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
PH1-GWA-4	12/7/2016	ND<1	58.5
	6/15/2017	ND<1	58.5
	12/12/2017	ND<1	58.5
	6/18/2018	ND<1	58.5
	12/18/2018	ND<1	58.5
	6/11/2019	ND<1	58.5
	12/9/2019	ND<1	58.5
	6/24/2020	ND<1	58.5
	12/15/2020	ND<1	58.5
	6/16/2021	ND<1	58.5
	12/14/2021	ND<1	58.5
	6/7/2022	ND<1	58.5

Rank Sum = 702

Rank Mean = 58.5

PH1-GWA-3A	12/9/2016	ND<1	58.5
	6/14/2017	ND<1	58.5
	12/11/2017	ND<1	58.5
	6/18/2018	ND<1	58.5
	12/17/2018	ND<1	58.5
	6/13/2019	ND<1	58.5
	12/12/2019	ND<1	58.5
	6/25/2020	ND<1	58.5
	12/18/2020	ND<1	58.5
	6/15/2021	ND<1	58.5
	12/15/2021	ND<1	58.5
	6/6/2022	ND<1	58.5

Rank Sum = 702

Rank Mean = 58.5

Background Rank Sum = 1404

Background Rank Mean = 58.5

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWA-1	12/7/2016	ND<1	58.5
	6/13/2017	ND<1	58.5
	12/13/2017	ND<1	58.5
	6/19/2018	2.1	117
	12/18/2018	ND<1	58.5
	6/10/2019	ND<1	58.5
	12/9/2019	ND<1	58.5
	6/22/2020	ND<1	58.5
	12/15/2020	ND<1	58.5
	6/15/2021	ND<1	58.5
	12/13/2021	ND<1	58.5

Tetrachloroethene

6/8/2022 ND<1 58.5

Rank Sum = 760.5

Rank Mean = 63.375

PH1-GWA-1A	12/7/2016	ND<1	58.5
	6/12/2017	ND<1	58.5
	12/13/2017	ND<1	58.5
	6/19/2018	ND<1	58.5
	12/18/2018	ND<1	58.5
	6/10/2019	ND<1	58.5
	12/10/2019	ND<1	58.5
	6/22/2020	ND<1	58.5
	12/18/2020	ND<1	58.5
	6/15/2021	ND<1	58.5
	12/13/2021	ND<1	58.5
	6/8/2022	ND<1	58.5

Rank Sum = 702

Rank Mean = 58.5

PH1-GWA-2	12/7/2016	3.7	123
	6/15/2017	2.1	118
	12/13/2017	2.3	119
	6/18/2018	ND<1	58.5
	12/18/2018	ND<1	58.5
	6/11/2019	ND<1	58.5
	12/9/2019	2.4	120
	6/24/2020	ND<1	58.5
	12/15/2020	ND<1	58.5
	6/16/2021	ND<1	58.5
	12/14/2021	ND<1	58.5
	6/7/2022	ND<1	58.5

Rank Sum = 948

Rank Mean = 79

PH1-GWB-1	12/7/2016	ND<1	58.5
	6/15/2017	ND<1	58.5
	12/12/2017	ND<1	58.5
	6/18/2018	ND<1	58.5
	12/17/2018	ND<1	58.5
	6/11/2019	ND<1	58.5
	12/10/2019	ND<1	58.5
	6/24/2020	ND<1	58.5
	12/17/2020	ND<1	58.5
	6/14/2021	ND<1	58.5
	12/13/2021	ND<1	58.5
	6/7/2022	ND<1	58.5

Rank Sum = 702

Rank Mean = 58.5

PH1-GWC-2	12/7/2016	3.9	125
	6/13/2017	6.7	133
	12/13/2017	5.1	128
	6/19/2018	ND<1	58.5
	12/18/2018	5.1	129
	6/10/2019	4.2	126
	12/10/2019	6.3	132
	6/22/2020	4.6	127

Tetrachloroethene

12/17/2020	5.3	130
6/17/2021	3.7	124
12/14/2021	2.9	121
6/8/2022	3.4	122

Rank Sum = 1455.5
Rank Mean = 121.292

GWC-1	12/8/2016	ND<1	58.5
	6/13/2017	ND<1	58.5
	12/13/2017	ND<1	58.5
	6/19/2018	ND<1	58.5
	12/17/2018	ND<1	58.5
	6/13/2019	ND<1	58.5
	12/10/2019	ND<1	58.5
	6/22/2020	ND<1	58.5
	12/16/2020	ND<1	58.5
	6/15/2021	ND<1	58.5
	12/15/2021	ND<1	58.5
	6/7/2022	ND<1	58.5

Rank Sum = 702
Rank Mean = 58.5

PH1-GWB-2	12/8/2016	ND<1	58.5
	6/15/2017	ND<1	58.5
	12/11/2017	ND<1	58.5
	6/19/2018	ND<1	58.5
	12/17/2018	ND<1	58.5
	6/12/2019	ND<1	58.5
	12/12/2019	ND<1	58.5
	6/24/2020	ND<1	58.5
	12/17/2020	ND<1	58.5
	6/16/2021	ND<1	58.5
	12/13/2021	ND<1	58.5
	6/9/2022	ND<1	58.5

Rank Sum = 702
Rank Mean = 58.5

PH1-GWC-1	12/8/2016	ND<1	58.5
	6/15/2017	ND<1	58.5
	12/11/2017	ND<1	58.5
	6/19/2018	ND<1	58.5
	12/19/2018	ND<1	58.5
	6/13/2019	ND<1	58.5
	12/11/2019	ND<1	58.5
	6/22/2020	ND<1	58.5
	12/17/2020	ND<1	58.5
	6/16/2021	ND<1	58.5
	12/15/2021	ND<1	58.5
	6/9/2022	ND<1	58.5

Rank Sum = 702
Rank Mean = 58.5

PH1-GWC-3	12/8/2016	12	153
	6/13/2017	11	149
	12/12/2017	13	154
	6/19/2018	11	150
	12/18/2018	10	147

Tetrachloroethene

6/10/2019	11	151
12/9/2019	13	155
6/22/2020	9	144
12/15/2020	9.1	145
6/14/2021	9.3	146
12/14/2021	8.8	141
6/7/2022	8.3	137

Rank Sum = 1772
Rank Mean = 147.667

PH1-GWC-3A	12/8/2016	8.6	138
	6/13/2017	8.9	143
	12/12/2017	10	148
	6/19/2018	11	152
	12/18/2018	8.7	140
	6/10/2019	8.8	142
	12/9/2019	7.4	135
	6/26/2020	ND<1	58.5
	12/15/2020	5.7	131
	6/14/2021	8.1	136
	12/14/2021	7.2	134
	6/7/2022	8.6	139

Rank Sum = 1596.5
Rank Mean = 133.042

PH1-GWC-4	12/8/2016	ND<1	58.5
	6/15/2017	ND<1	58.5
	12/11/2017	ND<1	58.5
	6/19/2018	ND<1	58.5
	12/19/2018	ND<1	58.5
	6/13/2019	ND<1	58.5
	6/22/2020	ND<1	58.5
	12/17/2020	ND<1	58.5
	6/16/2021	ND<1	58.5
	12/15/2021	ND<1	58.5
	6/6/2022	ND<1	58.5

Rank Sum = 643.5
Rank Mean = 58.5

Calculation Results:

Kruskal-Wallis H Statistic = 77.3145

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 133.105

95% Confidence comparison value is 19.6752 at 11 degrees of freedom

77.3145 > 19.6752 indicating a significant group difference at 5% significance level

133.105 > 19.6752 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 58.5

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1	63.375	4.875	36.9204
PH1-GWA-1A	58.5	0	36.9204
PH1-GWA-2	79	20.5	36.9204
PH1-GWB-1	58.5	0	36.9204
PH1-GWC-2	121.292	62.7917	36.9204

Tetrachloroethene

GWC-1	58.5	0	36.9204
PH1-GWB-2	58.5	0	36.9204
PH1-GWC-1	58.5	0	36.9204
PH1-GWC-3	147.667	89.1667	36.9204
PH1-GWC-3A	133.042	74.5417	36.9204
PH1-GWC-4	58.5	0	38.0227

**Individual Well Comparisons at Groupwise 5% Significance Level
(0.454545% Significance Level per comparison)**

0.454545% Z score is 2.65209
Mean background rank is 58.5

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1	63.375	4.875	42.0901
PH1-GWA-1A	58.5	0	42.0901
PH1-GWA-2	79	20.5	42.0901
PH1-GWB-1	58.5	0	42.0901
PH1-GWC-2	121.292	62.7917	42.0901
GWC-1	58.5	0	42.0901
PH1-GWB-2	58.5	0	42.0901
PH1-GWC-1	58.5	0	42.0901
PH1-GWC-3	147.667	89.1667	42.0901
PH1-GWC-3A	133.042	74.5417	42.0901
PH1-GWC-4	58.5	0	43.3468

Trichloroethene

Kruskal-Wallis Non-Parametric Test

Parameter: Trichloroethene

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
PH1-GWA-4	12/7/2016	ND<1	55
	6/15/2017	ND<1	55
	12/12/2017	ND<1	55
	6/18/2018	ND<1	55
	12/18/2018	ND<1	55
	6/11/2019	ND<1	55
	12/9/2019	ND<1	55
	6/24/2020	ND<1	55
	12/15/2020	ND<1	55
	6/16/2021	ND<1	55
12/14/2021	ND<1	55	
6/7/2022	ND<1	55	

Rank Sum = 660

Rank Mean = 55

PH1-GWA-3A	12/9/2016	ND<1	55
	6/14/2017	ND<1	55
	12/11/2017	ND<1	55
	6/18/2018	ND<1	55
	12/17/2018	ND<1	55
	6/13/2019	ND<1	55
	12/12/2019	ND<1	55
	6/25/2020	ND<1	55
	12/18/2020	ND<1	55
	6/15/2021	ND<1	55
12/15/2021	ND<1	55	
6/6/2022	ND<1	55	

Rank Sum = 660

Rank Mean = 55

Background Rank Sum = 1320

Background Rank Mean = 55

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWA-1	12/7/2016	2.2	116
	6/13/2017	ND<1	55
	12/13/2017	ND<1	55
	6/19/2018	ND<1	55
	12/18/2018	ND<1	55
	6/10/2019	ND<1	55
	12/9/2019	3.1	126
	6/22/2020	ND<1	55
	12/15/2020	ND<1	55
	6/15/2021	ND<1	55
	12/13/2021	ND<1	55

Trichloroethene

	6/8/2022	ND<1	55
--	----------	------	----

Rank Sum = 792

Rank Mean = 66

PH1-GWA-1A	12/7/2016	ND<1	55
	6/12/2017	ND<1	55
	12/13/2017	ND<1	55
	6/19/2018	ND<1	55
	12/18/2018	ND<1	55
	6/10/2019	ND<1	55
	12/10/2019	ND<1	55
	6/22/2020	ND<1	55
	12/18/2020	ND<1	55
	6/15/2021	ND<1	55
	12/13/2021	ND<1	55
	6/8/2022	ND<1	55

Rank Sum = 660

Rank Mean = 55

PH1-GWA-2	12/7/2016	7.1	143
	6/15/2017	4.1	128
	12/13/2017	5.8	132
	6/18/2018	4.2	129
	12/18/2018	4	127
	6/11/2019	2.1	113
	12/9/2019	7.3	147
	6/24/2020	2.4	117
	12/15/2020	2.5	120
	6/16/2021	2.4	118
	12/14/2021	2	110
	6/7/2022	ND<1	55

Rank Sum = 1439

Rank Mean = 119.917

PH1-GWB-1	12/7/2016	ND<1	55
	6/15/2017	ND<1	55
	12/12/2017	ND<1	55
	6/18/2018	ND<1	55
	12/17/2018	ND<1	55
	6/11/2019	ND<1	55
	12/10/2019	ND<1	55
	6/24/2020	ND<1	55
	12/17/2020	ND<1	55
	6/14/2021	ND<1	55
	12/13/2021	ND<1	55
	6/7/2022	ND<1	55

Rank Sum = 660

Rank Mean = 55

PH1-GWC-2	12/7/2016	ND<1	55
	6/13/2017	2.4	119
	12/13/2017	ND<1	55
	6/19/2018	ND<1	55
	12/18/2018	2	111
	6/10/2019	2	112
	12/10/2019	2.6	122
	6/22/2020	2.1	114

Trichloroethene

	12/17/2020	2.5	121
--	------------	-----	-----

	6/17/2021	2.7	123
--	-----------	-----	-----

	12/14/2021	3	125
--	------------	---	-----

	6/8/2022	2.1	115
--	----------	-----	-----

Rank Sum = 1227

Rank Mean = 102.25

GWC-1	12/8/2016	ND<1	55
	6/13/2017	ND<1	55
	12/13/2017	ND<1	55
	6/19/2018	ND<1	55
	12/17/2018	ND<1	55
	6/13/2019	ND<1	55
	12/10/2019	ND<1	55
	6/22/2020	ND<1	55
	12/16/2020	ND<1	55
	6/15/2021	ND<1	55
	12/15/2021	ND<1	55
	6/7/2022	ND<1	55

Rank Sum = 660

Rank Mean = 55

PH1-GWB-2	12/8/2016	ND<1	55
	6/15/2017	ND<1	55
	12/11/2017	ND<1	55
	6/19/2018	ND<1	55
	12/17/2018	ND<1	55
	6/12/2019	ND<1	55
	12/12/2019	ND<1	55
	6/24/2020	ND<1	55
	12/17/2020	ND<1	55
	6/16/2021	ND<1	55
	12/13/2021	ND<1	55
	6/9/2022	ND<1	55

Rank Sum = 660

Rank Mean = 55

PH1-GWC-1	12/8/2016	ND<1	55
	6/15/2017	ND<1	55
	12/11/2017	ND<1	55
	6/19/2018	ND<1	55
	12/19/2018	ND<1	55
	6/13/2019	ND<1	55
	12/11/2019	ND<1	55
	6/22/2020	ND<1	55
	12/17/2020	ND<1	55
	6/16/2021	ND<1	55
	12/15/2021	ND<1	55
	6/9/2022	ND<1	55

Rank Sum = 660

Rank Mean = 55

PH1-GWC-3	12/8/2016	7.6	150
	6/13/2017	7	142
	12/12/2017	8.4	153
	6/19/2018	6.9	141
	12/18/2018	6.8	137

Trichloroethene

6/10/2019	7.4	148
12/9/2019	8.7	155
6/22/2020	7.1	144
12/15/2020	7.6	151
6/14/2021	7.5	149
12/14/2021	7.1	145
6/7/2022	7.2	146

Rank Sum = 1761
Rank Mean = 146.75

PH1-GWC-3A	12/8/2016	6.8	138
	6/13/2017	6	134
	12/12/2017	6.6	136
	6/19/2018	6.8	139
	12/18/2018	5.8	133
	6/10/2019	5.7	130
	12/9/2019	8.4	154
	6/26/2020	2.8	124
	12/15/2020	8.1	152
	6/14/2021	6.1	135
	12/14/2021	5.7	131
	6/7/2022	6.8	140

Rank Sum = 1646
Rank Mean = 137.167

PH1-GWC-4	12/8/2016	ND<1	55
	6/15/2017	ND<1	55
	12/11/2017	ND<1	55
	6/19/2018	ND<1	55
	12/19/2018	ND<1	55
	6/13/2019	ND<1	55
	6/22/2020	ND<1	55
	12/17/2020	ND<1	55
	6/16/2021	ND<1	55
	12/15/2021	ND<1	55
	6/6/2022	ND<1	55

Rank Sum = 605
Rank Mean = 55

Calculation Results:

Kruskal-Wallis H Statistic = 88.7598

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 136.082

95% Confidence comparison value is 19.6752 at 11 degrees of freedom

88.7598 > 19.6752 indicating a significant group difference at 5% significance level

136.082 > 19.6752 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 55

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1	66	11	36.9204
PH1-GWA-1A	55	0	36.9204
PH1-GWA-2	119.917	64.9167	36.9204
PH1-GWB-1	55	0	36.9204
PH1-GWC-2	102.25	47.25	36.9204

Trichloroethene

GWC-1	55	0	36.9204
PH1-GWB-2	55	0	36.9204
PH1-GWC-1	55	0	36.9204
PH1-GWC-3	146.75	91.75	36.9204
PH1-GWC-3A	137.167	82.1667	36.9204
PH1-GWC-4	55	0	38.0227

Individual Well Comparisons at Groupwise 5% Significance Level (0.454545% Significance Level per comparison)

0.454545% Z score is 2.65209

Mean background rank is 55

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1	66	11	42.0901
PH1-GWA-1A	55	0	42.0901
PH1-GWA-2	119.917	64.9167	42.0901
PH1-GWB-1	55	0	42.0901
PH1-GWC-2	102.25	47.25	42.0901
GWC-1	55	0	42.0901
PH1-GWB-2	55	0	42.0901
PH1-GWC-1	55	0	42.0901
PH1-GWC-3	146.75	91.75	42.0901
PH1-GWC-3A	137.167	82.1667	42.0901
PH1-GWC-4	55	0	43.3468

Kruskal-Wallis Non-Parametric Test

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks**Background Locations**

Loc. ID	Date	Value	Rank
PH1-GWA-4	12/8/2016	ND<10	20.5
	6/16/2017	ND<10	20.5
	12/13/2017	37	101
	6/19/2018	ND<10	20.5
	12/19/2018	ND<10	20.5
	6/12/2019	ND<10	20.5
	12/10/2019	ND<10	20.5
	6/25/2020	ND<10	20.5
	12/16/2020	ND<10	20.5
	6/17/2021	ND<10	20.5
	12/15/2021	ND<10	20.5
	6/8/2022	ND<10	20.5

Rank Sum = 326.5

Rank Mean = 27.2083

PH1-GWA-3A	12/9/2016	20	41
	6/14/2017	ND<10	20.5
	12/11/2017	ND<10	20.5
	6/18/2018	ND<10	20.5
	12/17/2018	ND<10	20.5
	6/13/2019	ND<10	20.5
	12/12/2019	ND<10	20.5
	6/25/2020	ND<10	20.5
	12/18/2020	ND<10	20.5
	6/15/2021	ND<10	20.5
	12/15/2021	ND<10	20.5
	6/6/2022	ND<10	20.5

Rank Sum = 266.5

Rank Mean = 22.2083

Background Rank Sum = 593

Background Rank Mean = 24.7083

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWA-1A	12/7/2016	21	46
	6/12/2017	24	56
	12/13/2017	27	77
	6/20/2018	25	65
	12/19/2018	27	78
	6/11/2019	24	57
	12/10/2019	23.4	53
	6/22/2020	21.7	48
	12/18/2020	27.4	82
	6/16/2021	24.8	63
	12/14/2021	22.6	50

6/8/2022 25.9 70
 Rank Sum = 745
 Rank Mean = 62.0833

PH1-GWC-2	12/7/2016	ND<10	20.5
	6/14/2017	51	115
	12/13/2017	ND<10	20.5
	6/19/2018	ND<10	20.5
	12/18/2018	26	72
	6/10/2019	39	103
	12/10/2019	ND<10	20.5
	6/22/2020	33.6	98
	12/17/2020	ND<10	20.5
	6/17/2021	20.6	44
	12/17/2021	ND<10	20.5

Rank Sum = 600

Rank Mean = 50

PH1-GWA-1	12/8/2016	ND<10	20.5
	6/14/2017	21	47
	12/14/2017	20	42
	6/20/2018	34	99
	12/19/2018	24	58
	6/11/2019	24	59
	12/10/2019	20.3	43
	6/23/2020	27.7	83
	12/16/2020	ND<10	20.5
	6/16/2021	28.7	86
	12/14/2021	22.8	51

Rank Sum = 676

Rank Mean = 56.3333

PH1-GWA-2	12/8/2016	110	153
	6/16/2017	80	136
	12/14/2017	80	137
	6/19/2018	61	124
	12/19/2018	81	139
	6/12/2019	84	142
	12/10/2019	84.2	144
	6/25/2020	64.6	127
	12/16/2020	65.5	128
	6/17/2021	71.7	132
	12/15/2021	71.6	131

Rank Sum = 1616

Rank Mean = 134.667

PH1-GWB-1	12/8/2016	75	133
	6/16/2017	52	116
	12/13/2017	54	119
	6/19/2018	62	125
	12/18/2018	53	117
	6/12/2019	82	141
	12/11/2019	67	129
	6/25/2020	79.3	135

Barium

12/18/2020	50.5	114
6/15/2021	63.1	126
12/14/2021	56.8	122
6/8/2022	53.7	118

Rank Sum = 1495
Rank Mean = 124.583

GWC-1	12/9/2016	100	152
	6/14/2017	92	148
	12/14/2017	88	147
	6/20/2018	94	150
	12/18/2018	150	154
	6/13/2019	93	149
	12/11/2019	85.2	145
	6/23/2020	95.3	151
	12/17/2020	81.1	140
	6/16/2021	86.1	146
	12/16/2021	84	143
	6/8/2022	79.1	134

Rank Sum = 1759
Rank Mean = 146.583

PH1-GWB-2	12/9/2016	26	73
	6/16/2017	ND<10	20.5
	12/12/2017	ND<10	20.5
	6/20/2018	ND<10	20.5
	12/18/2018	22	49
	6/13/2019	ND<10	20.5
	12/13/2019	ND<10	20.5
	6/25/2020	ND<10	20.5
	12/18/2020	ND<10	20.5
	6/17/2021	ND<10	20.5
	12/14/2021	ND<10	20.5
	6/10/2022	ND<10	20.5

Rank Sum = 327
Rank Mean = 27.25

PH1-GWC-1	12/9/2016	70	130
	6/16/2017	40	104
	12/12/2017	38	102
	6/20/2018	42	106
	12/20/2018	47	112
	6/13/2019	50	113
	12/12/2019	43.7	111
	6/23/2020	42.8	110
	12/18/2020	32.1	96
	6/17/2021	42.1	109
	12/16/2021	30.6	94
	6/10/2022	42	107

Rank Sum = 1294
Rank Mean = 107.833

PH1-GWC-3	12/9/2016	28	84
	6/14/2017	26	74
	12/13/2017	27	79
	6/20/2018	23	52
	12/19/2018	27	80

Barium

6/11/2019	30	90
12/10/2019	24.7	62
6/23/2020	23.6	54
12/16/2020	25.6	69
6/15/2021	24.3	61
12/15/2021	28.8	87
6/8/2022	25.5	68

Rank Sum = 860
Rank Mean = 71.6667

PH1-GWC-3A	12/9/2016	29	88
	6/14/2017	29	89
	12/13/2017	27	81
	6/28/2018	26	75
	12/19/2018	24	60
	6/11/2019	30	91
	12/10/2019	24.9	64
	6/23/2020	23.9	55
	12/16/2020	25.9	71
	6/15/2021	30.5	93
	12/15/2021	28.5	85
	6/8/2022	30.1	92

Rank Sum = 944
Rank Mean = 78.6667

PH1-GWC-4	12/9/2016	80	138
	6/16/2017	42	108
	12/12/2017	54	120
	6/20/2018	34	100
	12/20/2018	310	155
	6/13/2019	32	95
	6/23/2020	25.2	66
	12/18/2020	56.4	121
	6/17/2021	33	97
	12/16/2021	41.3	105
	6/7/2022	26.6	76

Rank Sum = 1181
Rank Mean = 107.364

Calculation Results:

Kruskal-Wallis H Statistic = 128.445

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 130.69

95% Confidence comparison value is 19.6752 at 11 degrees of freedom

128.445 > 19.6752 indicating a significant group difference at 5% significance level

130.69 > 19.6752 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 24.7083

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1A	62.0833	37.375	36.9204
PH1-GWC-2	50	25.2917	36.9204
PH1-GWA-1	56.3333	31.625	36.9204
PH1-GWA-2	134.667	109.958	36.9204
PH1-GWB-1	124.583	99.875	36.9204

Barium

GWC-1	146.583	121.875	36.9204
PH1-GWB-2	27.25	2.54167	36.9204
PH1-GWC-1	107.833	83.125	36.9204
PH1-GWC-3	71.6667	46.9583	36.9204
PH1-GWC-3A	78.6667	53.9583	36.9204
PH1-GWC-4	107.364	82.6553	38.0227

**Individual Well Comparisons at Groupwise 5% Significance Level
(0.454545% Significance Level per comparison)**

0.454545% Z score is 2.65209

Mean background rank is 24.7083

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1A	62.0833	37.375	42.0901
PH1-GWC-2	50	25.2917	42.0901
PH1-GWA-1	56.3333	31.625	42.0901
PH1-GWA-2	134.667	109.958	42.0901
PH1-GWB-1	124.583	99.875	42.0901
GWC-1	146.583	121.875	42.0901
PH1-GWB-2	27.25	2.54167	42.0901
PH1-GWC-1	107.833	83.125	42.0901
PH1-GWC-3	71.6667	46.9583	42.0901
PH1-GWC-3A	78.6667	53.9583	42.0901
PH1-GWC-4	107.364	82.6553	43.3468

Chromium

Kruskal-Wallis Non-Parametric Test

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
PH1-GWA-4	12/8/2016	ND<5	74.5
	6/16/2017	ND<5	74.5
	12/13/2017	ND<5	74.5
	6/19/2018	ND<5	74.5
	12/19/2018	ND<5	74.5
	6/12/2019	ND<5	74.5
	12/10/2019	ND<5	74.5
	6/25/2020	ND<5	74.5
	12/16/2020	ND<5	74.5
	6/17/2021	ND<5	74.5
	12/15/2021	ND<5	74.5
	6/8/2022	ND<5	74.5

Rank Sum = 894

Rank Mean = 74.5

PH1-GWA-3A	12/9/2016	ND<5	74.5
	6/14/2017	ND<5	74.5
	12/11/2017	ND<5	74.5
	6/18/2018	ND<5	74.5
	12/17/2018	ND<5	74.5
	6/13/2019	ND<5	74.5
	12/12/2019	ND<5	74.5
	6/25/2020	ND<5	74.5
	12/18/2020	ND<5	74.5
	6/15/2021	ND<5	74.5
	12/15/2021	ND<5	74.5
	6/6/2022	ND<5	74.5

Rank Sum = 894

Rank Mean = 74.5

Background Rank Sum = 1788

Background Rank Mean = 74.5

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWA-1A	12/7/2016	ND<5	74.5
	6/12/2017	ND<5	74.5
	12/13/2017	ND<5	74.5
	6/20/2018	ND<5	74.5
	12/19/2018	ND<5	74.5
	6/11/2019	11	149
	12/10/2019	ND<5	74.5
	6/22/2020	ND<5	74.5
	12/18/2020	ND<5	74.5
	6/16/2021	ND<5	74.5
	12/14/2021	ND<5	74.5

Chromium

6/8/2022 19.9 152
 Rank Sum = 1046
 Rank Mean = 87.1667

PH1-GWC-2 12/7/2016 ND<5 74.5
 6/14/2017 ND<5 74.5
 12/13/2017 ND<5 74.5
 6/19/2018 12 150
 12/18/2018 ND<5 74.5
 6/10/2019 69 155
 12/10/2019 ND<5 74.5
 6/22/2020 27.2 153
 12/17/2020 ND<5 74.5
 6/17/2021 ND<5 74.5
 12/17/2021 ND<5 74.5
 6/8/2022 15.7 151

Rank Sum = 1205
 Rank Mean = 100.417

PH1-GWA-1 12/8/2016 ND<5 74.5
 6/14/2017 ND<5 74.5
 12/14/2017 ND<5 74.5
 6/20/2018 ND<5 74.5
 12/19/2018 ND<5 74.5
 6/11/2019 ND<5 74.5
 12/10/2019 ND<5 74.5
 6/23/2020 ND<5 74.5
 12/16/2020 ND<5 74.5
 6/16/2021 ND<5 74.5
 12/14/2021 ND<5 74.5
 6/9/2022 ND<5 74.5

Rank Sum = 894
 Rank Mean = 74.5

PH1-GWA-2 12/8/2016 ND<5 74.5
 6/16/2017 ND<5 74.5
 12/14/2017 ND<5 74.5
 6/19/2018 ND<5 74.5
 12/19/2018 ND<5 74.5
 6/12/2019 ND<5 74.5
 12/10/2019 ND<5 74.5
 6/25/2020 ND<5 74.5
 12/16/2020 ND<5 74.5
 6/17/2021 ND<5 74.5
 12/15/2021 ND<5 74.5
 6/8/2022 ND<10 74.5

Rank Sum = 894
 Rank Mean = 74.5

PH1-GWB-1 12/8/2016 ND<5 74.5
 6/16/2017 ND<5 74.5
 12/13/2017 ND<5 74.5
 6/19/2018 ND<5 74.5
 12/18/2018 ND<5 74.5
 6/12/2019 ND<5 74.5
 12/11/2019 ND<5 74.5
 6/25/2020 ND<5 74.5

Chromium

12/18/2020 ND<5 74.5
 6/15/2021 ND<5 74.5
 12/14/2021 ND<5 74.5
 6/8/2022 ND<5 74.5

Rank Sum = 894
 Rank Mean = 74.5

GWC-1 12/9/2016 ND<5 74.5
 6/14/2017 ND<5 74.5
 12/14/2017 ND<5 74.5
 6/20/2018 ND<5 74.5
 12/18/2018 ND<5 74.5
 6/13/2019 ND<5 74.5
 12/11/2019 ND<5 74.5
 6/23/2020 ND<5 74.5
 12/17/2020 ND<5 74.5
 6/16/2021 ND<5 74.5
 12/16/2021 ND<5 74.5
 6/8/2022 ND<5 74.5

Rank Sum = 894
 Rank Mean = 74.5

PH1-GWB-2 12/9/2016 ND<5 74.5
 6/16/2017 ND<5 74.5
 12/12/2017 ND<5 74.5
 6/20/2018 ND<5 74.5
 12/18/2018 ND<5 74.5
 6/13/2019 ND<5 74.5
 12/13/2019 ND<5 74.5
 6/25/2020 ND<5 74.5
 12/18/2020 ND<5 74.5
 6/17/2021 ND<5 74.5
 12/14/2021 ND<5 74.5
 6/10/2022 ND<5 74.5

Rank Sum = 894
 Rank Mean = 74.5

PH1-GWC-1 12/9/2016 ND<5 74.5
 6/16/2017 ND<5 74.5
 12/12/2017 ND<5 74.5
 6/20/2018 ND<5 74.5
 12/20/2018 ND<5 74.5
 6/13/2019 ND<5 74.5
 12/12/2019 ND<5 74.5
 6/23/2020 ND<5 74.5
 12/18/2020 ND<5 74.5
 6/17/2021 ND<5 74.5
 12/16/2021 ND<5 74.5
 6/10/2022 ND<5 74.5

Rank Sum = 894
 Rank Mean = 74.5

PH1-GWC-3 12/9/2016 ND<5 74.5
 6/14/2017 ND<5 74.5
 12/13/2017 ND<5 74.5
 6/20/2018 ND<5 74.5
 12/19/2018 ND<5 74.5

Chromium

6/11/2019	ND<5	74.5
12/10/2019	ND<5	74.5
6/23/2020	ND<5	74.5
12/16/2020	ND<5	74.5
6/15/2021	ND<5	74.5
12/15/2021	ND<5	74.5
6/8/2022	ND<10	74.5

Rank Sum = 894
Rank Mean = 74.5

PH1-GWC-3A	12/9/2016	ND<5	74.5
	6/14/2017	ND<5	74.5
	12/13/2017	ND<5	74.5
	6/28/2018	ND<5	74.5
	12/19/2018	ND<5	74.5
	6/11/2019	ND<5	74.5
	12/10/2019	ND<5	74.5
	6/23/2020	ND<5	74.5
	12/16/2020	ND<5	74.5
	6/15/2021	ND<5	74.5
	12/15/2021	ND<5	74.5
	6/8/2022	ND<10	74.5

Rank Sum = 894
Rank Mean = 74.5

PH1-GWC-4	12/9/2016	ND<5	74.5
	6/16/2017	ND<5	74.5
	12/12/2017	ND<5	74.5
	6/20/2018	ND<5	74.5
	12/20/2018	49	154
	6/13/2019	ND<5	74.5
	6/23/2020	ND<5	74.5
	12/18/2020	ND<5	74.5
	6/17/2021	ND<5	74.5
	12/16/2021	ND<5	74.5
	6/7/2022	ND<5	74.5

Rank Sum = 899
Rank Mean = 81.7273

Calculation Results:

Kruskal-Wallis H Statistic = 4.29838
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 33.2022
95% Confidence comparison value is 19.6752 at 11 degrees of freedom
4.29838 < 19.6752 indicating no significant group difference at 5% significance level
33.2022 > 19.6752 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634
Mean background rank is 74.5

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1A	87.1667	12.6667	36.9204
PH1-GWC-2	100.417	25.9167	36.9204
PH1-GWA-1	74.5	0	36.9204
PH1-GWA-2	74.5	0	36.9204
PH1-GWB-1	74.5	0	36.9204

Chromium

GWC-1	74.5	0	36.9204
PH1-GWB-2	74.5	0	36.9204
PH1-GWC-1	74.5	0	36.9204
PH1-GWC-3	74.5	0	36.9204
PH1-GWC-3A	74.5	0	36.9204
PH1-GWC-4	81.7273	7.22727	38.0227

Individual Well Comparisons at Groupwise 5% Significance Level (0.454545% Significance Level per comparison)

0.454545% Z score is 2.65209
Mean background rank is 74.5

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1A	87.1667	12.6667	42.0901
PH1-GWC-2	100.417	25.9167	42.0901
PH1-GWA-1	74.5	0	42.0901
PH1-GWA-2	74.5	0	42.0901
PH1-GWB-1	74.5	0	42.0901
GWC-1	74.5	0	42.0901
PH1-GWB-2	74.5	0	42.0901
PH1-GWC-1	74.5	0	42.0901
PH1-GWC-3	74.5	0	42.0901
PH1-GWC-3A	74.5	0	42.0901
PH1-GWC-4	81.7273	7.22727	43.3468

Kruskal-Wallis Non-Parametric Test**Parameter: Cobalt**

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks**Background Locations**

Loc. ID	Date	Value	Rank
PH1-GWA-4	12/8/2016	ND<20	72
	6/16/2017	ND<20	72
	12/13/2017	ND<20	72
	6/19/2018	ND<20	72
	12/19/2018	ND<20	72
	6/12/2019	ND<20	72
	12/10/2019	ND<20	72
	6/25/2020	ND<20	72
	12/16/2020	ND<20	72
	6/17/2021	ND<20	72
	12/15/2021	ND<20	72
	6/8/2022	ND<20	72

Rank Sum = 864

Rank Mean = 72

PH1-GWA-3A	12/9/2016	ND<20	72
	6/14/2017	ND<20	72
	12/11/2017	ND<20	72
	6/18/2018	ND<20	72
	12/17/2018	ND<20	72
	6/13/2019	ND<20	72
	12/12/2019	ND<20	72
	6/25/2020	ND<20	72
	12/18/2020	ND<20	72
	6/15/2021	ND<20	72
	12/15/2021	ND<20	72
	6/6/2022	ND<20	72

Rank Sum = 864

Rank Mean = 72

Background Rank Sum = 1728

Background Rank Mean = 72

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWA-1A	12/7/2016	ND<20	72
	6/12/2017	ND<20	72
	12/13/2017	ND<20	72
	6/20/2018	ND<20	72
	12/19/2018	ND<20	72
	6/11/2019	ND<20	72
	12/10/2019	ND<20	72
	6/22/2020	ND<20	72
	12/18/2020	ND<20	72
	6/16/2021	ND<20	72
	12/14/2021	ND<20	72

6/8/2022 ND<20 72
 Rank Sum = 864
 Rank Mean = 72

PH1-GWC-2	12/7/2016	ND<20	72
	6/14/2017	ND<20	72
	12/13/2017	ND<20	72
	6/19/2018	ND<20	72
	12/18/2018	ND<20	72
	6/10/2019	ND<20	72
	12/10/2019	ND<20	72
	6/22/2020	ND<20	72
	12/17/2020	ND<20	72
	6/17/2021	ND<20	72
	12/17/2021	ND<20	72
	6/8/2022	ND<20	72

Rank Sum = 864

Rank Mean = 72

PH1-GWA-1	12/8/2016	94	152
	6/14/2017	100	154
	12/14/2017	76	146
	6/20/2018	75	145
	12/19/2018	82	148
	6/11/2019	91	151
	12/10/2019	90.1	150
	6/23/2020	76.6	147
	12/16/2020	95.6	153
	6/16/2021	83.5	149
	12/14/2021	111	155
	6/9/2022	74.7	144

Rank Sum = 1794

Rank Mean = 149.5

PH1-GWA-2	12/8/2016	ND<20	72
	6/16/2017	ND<20	72
	12/14/2017	ND<20	72
	6/19/2018	ND<20	72
	12/19/2018	ND<20	72
	6/12/2019	ND<20	72
	12/10/2019	ND<20	72
	6/25/2020	ND<20	72
	12/16/2020	ND<20	72
	6/17/2021	ND<20	72
	12/15/2021	ND<20	72
	6/8/2022	ND<25	72

Rank Sum = 864

Rank Mean = 72

PH1-GWB-1	12/8/2016	ND<20	72
	6/16/2017	ND<20	72
	12/13/2017	ND<20	72
	6/19/2018	ND<20	72
	12/18/2018	ND<20	72
	6/12/2019	ND<20	72
	12/11/2019	ND<20	72
	6/25/2020	ND<20	72

Cobalt

12/18/2020	ND<20	72
6/15/2021	ND<20	72
12/14/2021	ND<20	72
6/8/2022	ND<20	72

Rank Sum = 864
Rank Mean = 72

GWC-1	12/9/2016	ND<20	72
	6/14/2017	ND<20	72
	12/14/2017	ND<20	72
	6/20/2018	ND<20	72
	12/18/2018	ND<20	72
	6/13/2019	ND<20	72
	12/11/2019	ND<20	72
	6/23/2020	ND<20	72
	12/17/2020	ND<20	72
	6/16/2021	ND<20	72
	12/16/2021	ND<20	72
	6/8/2022	ND<20	72

Rank Sum = 864
Rank Mean = 72

PH1-GWB-2	12/9/2016	ND<20	72
	6/16/2017	ND<20	72
	12/12/2017	ND<20	72
	6/20/2018	ND<20	72
	12/18/2018	ND<20	72
	6/13/2019	ND<20	72
	12/13/2019	ND<20	72
	6/25/2020	ND<20	72
	12/18/2020	ND<20	72
	6/17/2021	ND<20	72
	12/14/2021	ND<20	72
	6/10/2022	ND<20	72

Rank Sum = 864
Rank Mean = 72

PH1-GWC-1	12/9/2016	ND<20	72
	6/16/2017	ND<20	72
	12/12/2017	ND<20	72
	6/20/2018	ND<20	72
	12/20/2018	ND<20	72
	6/13/2019	ND<20	72
	12/12/2019	ND<20	72
	6/23/2020	ND<20	72
	12/18/2020	ND<20	72
	6/17/2021	ND<20	72
	12/16/2021	ND<20	72
	6/10/2022	ND<20	72

Rank Sum = 864
Rank Mean = 72

PH1-GWC-3	12/9/2016	ND<20	72
	6/14/2017	ND<20	72
	12/13/2017	ND<20	72
	6/20/2018	ND<20	72
	12/19/2018	ND<20	72

Cobalt

6/11/2019	ND<20	72
12/10/2019	ND<20	72
6/23/2020	ND<20	72
12/16/2020	ND<20	72
6/15/2021	ND<20	72
12/15/2021	ND<20	72
6/8/2022	ND<25	72

Rank Sum = 864
Rank Mean = 72

PH1-GWC-3A	12/9/2016	ND<20	72
	6/14/2017	ND<20	72
	12/13/2017	ND<20	72
	6/28/2018	ND<20	72
	12/19/2018	ND<20	72
	6/11/2019	ND<20	72
	12/10/2019	ND<20	72
	6/23/2020	ND<20	72
	12/16/2020	ND<20	72
	6/15/2021	ND<20	72
	12/15/2021	ND<20	72
	6/8/2022	ND<25	72

Rank Sum = 864
Rank Mean = 72

PH1-GWC-4	12/9/2016	ND<20	72
	6/16/2017	ND<20	72
	12/12/2017	ND<20	72
	6/20/2018	ND<20	72
	12/20/2018	ND<20	72
	6/13/2019	ND<20	72
	6/23/2020	ND<20	72
	12/18/2020	ND<20	72
	6/17/2021	ND<20	72
	12/16/2021	ND<20	72
	6/7/2022	ND<20	72

Rank Sum = 792
Rank Mean = 72

Calculation Results:

Kruskal-Wallis H Statistic = 33

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 153.67

95% Confidence comparison value is 19.6752 at 11 degrees of freedom

33 > 19.6752 indicating a significant group difference at 5% significance level

153.67 > 19.6752 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 72

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1A	72	0	36.9204
PH1-GWC-2	72	0	36.9204
PH1-GWA-1	149.5	77.5	36.9204
PH1-GWA-2	72	0	36.9204
PH1-GWB-1	72	0	36.9204

Cobalt

GWC-1	72	0	36.9204
PH1-GWB-2	72	0	36.9204
PH1-GWC-1	72	0	36.9204
PH1-GWC-3	72	0	36.9204
PH1-GWC-3A	72	0	36.9204
PH1-GWC-4	72	0	38.0227

**Individual Well Comparisons at Groupwise 5% Significance Level
(0.454545% Significance Level per comparison)**

0.454545% Z score is 2.65209

Mean background rank is 72

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1A	72	0	42.0901
PH1-GWC-2	72	0	42.0901
PH1-GWA-1	149.5	77.5	42.0901
PH1-GWA-2	72	0	42.0901
PH1-GWB-1	72	0	42.0901
GWC-1	72	0	42.0901
PH1-GWB-2	72	0	42.0901
PH1-GWC-1	72	0	42.0901
PH1-GWC-3	72	0	42.0901
PH1-GWC-3A	72	0	42.0901
PH1-GWC-4	72	0	43.3468

Zinc

Kruskal-Wallis Non-Parametric Test

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
PH1-GWA-4	12/8/2016	ND<10	55.5
	6/16/2017	ND<10	55.5
	12/13/2017	ND<10	55.5
	6/19/2018	ND<10	55.5
	12/19/2018	ND<10	55.5
	6/12/2019	ND<10	55.5
	12/10/2019	48.9	151
	6/25/2020	ND<10	55.5
	12/16/2020	ND<10	55.5
	6/17/2021	ND<10	55.5
	12/15/2021	ND<10	55.5
	6/8/2022	ND<10	55.5

Rank Sum = 761.5

Rank Mean = 63.4583

PH1-GWA-3A	12/9/2016	ND<10	55.5
	6/14/2017	ND<10	55.5
	12/11/2017	ND<10	55.5
	6/18/2018	ND<10	55.5
	12/17/2018	ND<10	55.5
	6/13/2019	ND<10	55.5
	12/12/2019	ND<10	55.5
	6/25/2020	ND<10	55.5
	12/18/2020	ND<10	55.5
	6/15/2021	ND<10	55.5
	12/15/2021	ND<10	55.5
	6/6/2022	ND<10	55.5

Rank Sum = 666

Rank Mean = 55.5

Background Rank Sum = 1427.5

Background Rank Mean = 59.4792

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWA-1A	12/7/2016	ND<10	55.5
	6/12/2017	ND<10	55.5
	12/13/2017	ND<10	55.5
	6/20/2018	ND<10	55.5
	12/19/2018	ND<10	55.5
	6/11/2019	ND<10	55.5
	12/10/2019	ND<10	55.5
	6/22/2020	ND<10	55.5
	12/18/2020	ND<10	55.5
	6/16/2021	ND<10	55.5
	12/14/2021	ND<10	55.5

Zinc

6/8/2022 38.2 142
 Rank Sum = 752.5
 Rank Mean = 62.7083

PH1-GWC-2	12/7/2016	ND<10	55.5
	6/14/2017	ND<10	55.5
	12/13/2017	ND<10	55.5
	6/19/2018	20	111
	12/18/2018	ND<10	55.5
	6/10/2019	26	124
	12/10/2019	ND<10	55.5
	6/22/2020	ND<10	55.5
	12/17/2020	ND<10	55.5
	6/17/2021	ND<10	55.5
	12/17/2021	ND<10	55.5
	6/8/2022	45.9	150

Rank Sum = 884.5
 Rank Mean = 73.7083

PH1-GWA-1	12/8/2016	ND<10	55.5
	6/14/2017	43	148
	12/14/2017	51	152
	6/20/2018	55	153
	12/19/2018	40	147
	6/11/2019	34	139
	12/10/2019	32.4	136
	6/23/2020	ND<10	55.5
	12/16/2020	ND<10	55.5
	6/16/2021	ND<10	55.5
	12/14/2021	31	133
	6/9/2022	ND<10	55.5

Rank Sum = 1285.5
 Rank Mean = 107.125

PH1-GWA-2	12/8/2016	ND<10	55.5
	6/16/2017	ND<10	55.5
	12/14/2017	ND<10	55.5
	6/19/2018	ND<10	55.5
	12/19/2018	29	130
	6/12/2019	ND<10	55.5
	12/10/2019	ND<10	55.5
	6/25/2020	ND<10	55.5
	12/16/2020	ND<10	55.5
	6/17/2021	ND<10	55.5
	12/15/2021	ND<10	55.5
	6/8/2022	ND<10	55.5

Rank Sum = 740.5
 Rank Mean = 61.7083

PH1-GWB-1	12/8/2016	ND<10	55.5
	6/16/2017	ND<10	55.5
	12/13/2017	ND<10	55.5
	6/19/2018	39	146
	12/18/2018	ND<10	55.5
	6/12/2019	22	119
	12/11/2019	38.2	143
	6/25/2020	26.8	126

Zinc

12/18/2020 ND<10 55.5
 6/15/2021 ND<10 55.5
 12/14/2021 ND<10 55.5
 6/8/2022 ND<10 55.5

Rank Sum = 978
 Rank Mean = 81.5

GWC-1	12/9/2016	ND<10	55.5
	6/14/2017	ND<10	55.5
	12/14/2017	ND<10	55.5
	6/20/2018	20	112
	12/18/2018	ND<10	55.5
	6/13/2019	ND<10	55.5
	12/11/2019	27.1	127
	6/23/2020	55.4	154
	12/17/2020	ND<10	55.5
	6/16/2021	ND<10	55.5
	12/16/2021	ND<10	55.5
	6/8/2022	ND<10	55.5

Rank Sum = 892.5
 Rank Mean = 74.375

PH1-GWB-2	12/9/2016	31	134
	6/16/2017	36	140
	12/12/2017	25	122
	6/20/2018	31	135
	12/18/2018	28	128
	6/13/2019	33	138
	12/13/2019	38.3	144
	6/25/2020	25.4	123
	12/18/2020	21.6	117
	6/17/2021	26.3	125
	12/14/2021	23.8	121
	6/10/2022	29.4	131

Rank Sum = 1558
 Rank Mean = 129.833

PH1-GWC-1	12/9/2016	ND<10	55.5
	6/16/2017	ND<10	55.5
	12/12/2017	ND<10	55.5
	6/20/2018	ND<10	55.5
	12/20/2018	ND<10	55.5
	6/13/2019	ND<10	55.5
	12/12/2019	ND<10	55.5
	6/23/2020	32.5	137
	12/18/2020	ND<10	55.5
	6/17/2021	ND<10	55.5
	12/16/2021	ND<10	55.5
	6/10/2022	ND<10	55.5

Rank Sum = 747.5
 Rank Mean = 62.2917

PH1-GWC-3	12/9/2016	ND<10	55.5
	6/14/2017	ND<10	55.5
	12/13/2017	ND<10	55.5
	6/20/2018	ND<10	55.5
	12/19/2018	ND<10	55.5

Zinc

6/11/2019	ND<10	55.5
12/10/2019	ND<10	55.5
6/23/2020	ND<10	55.5
12/16/2020	ND<10	55.5
6/15/2021	ND<10	55.5
12/15/2021	ND<10	55.5
6/8/2022	ND<10	55.5

Rank Sum = 666
Rank Mean = 55.5

PH1-GWC-3A	12/9/2016	ND<10	55.5
	6/14/2017	ND<10	55.5
	12/13/2017	ND<10	55.5
	6/28/2018	21	115
	12/19/2018	ND<10	55.5
	6/11/2019	ND<10	55.5
	12/10/2019	ND<10	55.5
	6/23/2020	36.9	141
	12/16/2020	ND<10	55.5
	6/15/2021	23.6	120
	12/15/2021	43.6	149
	6/8/2022	38.8	145

Rank Sum = 1058.5
Rank Mean = 88.2083

PH1-GWC-4	12/9/2016	21	116
	6/16/2017	20	113
	12/12/2017	28	129
	6/20/2018	ND<10	55.5
	12/20/2018	120	155
	6/13/2019	20	114
	6/23/2020	ND<10	55.5
	12/18/2020	ND<10	55.5
	6/17/2021	ND<10	55.5
	12/16/2021	21.7	118
	6/7/2022	30.7	132

Rank Sum = 1099
Rank Mean = 99.9091

Calculation Results:

Kruskal-Wallis H Statistic = 36.097

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 56.1741

95% Confidence comparison value is 19.6752 at 11 degrees of freedom

36.097 > 19.6752 indicating a significant group difference at 5% significance level

56.1741 > 19.6752 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 59.4792

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1A	62.7083	3.22917	36.9204
PH1-GWC-2	73.7083	14.2292	36.9204
PH1-GWA-1	107.125	47.6458	36.9204
PH1-GWA-2	61.7083	2.22917	36.9204
PH1-GWB-1	81.5	22.0208	36.9204

Zinc

GWC-1	74.375	14.8958	36.9204
PH1-GWB-2	129.833	70.3542	36.9204
PH1-GWC-1	62.2917	2.8125	36.9204
PH1-GWC-3	55.5	-3.97917	36.9204
PH1-GWC-3A	88.2083	28.7292	36.9204
PH1-GWC-4	99.9091	40.4299	38.0227

Individual Well Comparisons at Groupwise 5% Significance Level (0.454545% Significance Level per comparison)

0.454545% Z score is 2.65209

Mean background rank is 59.4792

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWA-1A	62.7083	3.22917	42.0901
PH1-GWC-2	73.7083	14.2292	42.0901
PH1-GWA-1	107.125	47.6458	42.0901
PH1-GWA-2	61.7083	2.22917	42.0901
PH1-GWB-1	81.5	22.0208	42.0901
GWC-1	74.375	14.8958	42.0901
PH1-GWB-2	129.833	70.3542	42.0901
PH1-GWC-1	62.2917	2.8125	42.0901
PH1-GWC-3	55.5	-3.97917	42.0901
PH1-GWC-3A	88.2083	28.7292	42.0901
PH1-GWC-4	99.9091	40.4299	43.3468

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
1,1-Dichloroethane	GWC-18	FALSE	1%
1,1-Dichloroethane	GWC-19R	FALSE	1%
1,1-Dichloroethane	GWC-22	FALSE	1%
1,1-Dichloroethane	GWC-23	FALSE	1%
1,1-Dichloroethane	GWC-23A	FALSE	1%
1,1-Dichloroethane	GWC-16A	FALSE	1%
1,1-Dichloroethane	GWA-1A	FALSE	1%
1,1-Dichloroethane	GWC-11	FALSE	1%
1,1-Dichloroethane	GWC-12	FALSE	1%
1,1-Dichloroethane	GWC-12A	FALSE	1%
1,1-Dichloroethane	GWC-13	FALSE	1%
1,1-Dichloroethane	GWC-24	FALSE	1%
1,1-Dichloroethane	GWC-4	FALSE	1%
1,1-Dichloroethane	GWC-4A	FALSE	1%
1,1-Dichloroethane	GWC-15	TRUE	1%
1,1-Dichloroethane	GWA-3	FALSE	1%
1,1-Dichloroethane	GWC-10	FALSE	1%
1,1-Dichloroethane	GWC-10A	FALSE	1%
1,1-Dichloroethane	GWC-14A	TRUE	1%
1,1-Dichloroethane	GWC-14R	TRUE	1%
1,1-Dichloroethane	GWC-2	FALSE	1%
1,1-Dichloroethane	GWC-3	FALSE	1%
1,1-Dichloroethane	GWC-3A	FALSE	1%
1,1-Dichloroethane	GWC-5	FALSE	1%
1,1-Dichloroethane	GWC-6	FALSE	1%
1,1-Dichloroethane	GWC-7	FALSE	1%
1,1-Dichloroethane	GWC-8	FALSE	1%
1,1-Dichloroethane	GWC-8A	TRUE	1%
1,1-Dichloroethane	GWC-8R	TRUE	1%
1,1-Dichloroethane	GWC-9	FALSE	1%
1,1-Dichloroethane	GWC-14	FALSE	1%
1,1-Dichloroethane	GWC-17	FALSE	1%
1,1-Dichloroethane	GWC-18	FALSE	0.16%
1,1-Dichloroethane	GWC-19R	FALSE	0.16%
1,1-Dichloroethane	GWC-22	FALSE	0.16%
1,1-Dichloroethane	GWC-23	FALSE	0.16%
1,1-Dichloroethane	GWC-23A	FALSE	0.16%
1,1-Dichloroethane	GWC-16A	FALSE	0.16%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2022 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
1,1-Dichloroethane	GWA-1A	FALSE	0.16%
1,1-Dichloroethane	GWC-11	FALSE	0.16%
1,1-Dichloroethane	GWC-12	FALSE	0.16%
1,1-Dichloroethane	GWC-12A	FALSE	0.16%
1,1-Dichloroethane	GWC-13	FALSE	0.16%
1,1-Dichloroethane	GWC-24	FALSE	0.16%
1,1-Dichloroethane	GWC-4	FALSE	0.16%
1,1-Dichloroethane	GWC-4A	FALSE	0.16%
1,1-Dichloroethane	GWC-15	TRUE	0.16%
1,1-Dichloroethane	GWA-3	FALSE	0.16%
1,1-Dichloroethane	GWC-10	FALSE	0.16%
1,1-Dichloroethane	GWC-10A	FALSE	0.16%
1,1-Dichloroethane	GWC-14A	TRUE	0.16%
1,1-Dichloroethane	GWC-14R	TRUE	0.16%
1,1-Dichloroethane	GWC-2	FALSE	0.16%
1,1-Dichloroethane	GWC-3	FALSE	0.16%
1,1-Dichloroethane	GWC-3A	FALSE	0.16%
1,1-Dichloroethane	GWC-5	FALSE	0.16%
1,1-Dichloroethane	GWC-6	FALSE	0.16%
1,1-Dichloroethane	GWC-7	FALSE	0.16%
1,1-Dichloroethane	GWC-8	FALSE	0.16%
1,1-Dichloroethane	GWC-8A	TRUE	0.16%
1,1-Dichloroethane	GWC-8R	TRUE	0.16%
1,1-Dichloroethane	GWC-9	FALSE	0.16%
1,1-Dichloroethane	GWC-14	FALSE	0.16%
1,1-Dichloroethane	GWC-17	FALSE	0.16%
Benzene	GWC-18	FALSE	1%
Benzene	GWC-19R	FALSE	1%
Benzene	GWC-22	FALSE	1%
Benzene	GWC-23	FALSE	1%
Benzene	GWC-23A	FALSE	1%
Benzene	GWC-16A	FALSE	1%
Benzene	GWA-1A	FALSE	1%
Benzene	GWC-11	FALSE	1%
Benzene	GWC-12	FALSE	1%
Benzene	GWC-12A	FALSE	1%
Benzene	GWC-13	FALSE	1%
Benzene	GWC-24	FALSE	1%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Benzene	GWC-4	FALSE	1%
Benzene	GWC-4A	FALSE	1%
Benzene	GWC-15	TRUE	1%
Benzene	GWA-3	FALSE	1%
Benzene	GWC-10	FALSE	1%
Benzene	GWC-10A	FALSE	1%
Benzene	GWC-14A	TRUE	1%
Benzene	GWC-14R	FALSE	1%
Benzene	GWC-2	FALSE	1%
Benzene	GWC-3	FALSE	1%
Benzene	GWC-3A	FALSE	1%
Benzene	GWC-5	FALSE	1%
Benzene	GWC-6	FALSE	1%
Benzene	GWC-7	FALSE	1%
Benzene	GWC-8	FALSE	1%
Benzene	GWC-8A	TRUE	1%
Benzene	GWC-8R	FALSE	1%
Benzene	GWC-9	FALSE	1%
Benzene	GWC-14	FALSE	1%
Benzene	GWC-17	FALSE	1%
Benzene	GWC-18	FALSE	0.16%
Benzene	GWC-19R	FALSE	0.16%
Benzene	GWC-22	FALSE	0.16%
Benzene	GWC-23	FALSE	0.16%
Benzene	GWC-23A	FALSE	0.16%
Benzene	GWC-16A	FALSE	0.16%
Benzene	GWA-1A	FALSE	0.16%
Benzene	GWC-11	FALSE	0.16%
Benzene	GWC-12	FALSE	0.16%
Benzene	GWC-12A	FALSE	0.16%
Benzene	GWC-13	FALSE	0.16%
Benzene	GWC-24	FALSE	0.16%
Benzene	GWC-4	FALSE	0.16%
Benzene	GWC-4A	FALSE	0.16%
Benzene	GWC-15	FALSE	0.16%
Benzene	GWA-3	FALSE	0.16%
Benzene	GWC-10	FALSE	0.16%
Benzene	GWC-10A	FALSE	0.16%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Benzene	GWC-14A	TRUE	0.16%
Benzene	GWC-14R	FALSE	0.16%
Benzene	GWC-2	FALSE	0.16%
Benzene	GWC-3	FALSE	0.16%
Benzene	GWC-3A	FALSE	0.16%
Benzene	GWC-5	FALSE	0.16%
Benzene	GWC-6	FALSE	0.16%
Benzene	GWC-7	FALSE	0.16%
Benzene	GWC-8	FALSE	0.16%
Benzene	GWC-8A	TRUE	0.16%
Benzene	GWC-8R	FALSE	0.16%
Benzene	GWC-9	FALSE	0.16%
Benzene	GWC-14	FALSE	0.16%
Benzene	GWC-17	FALSE	0.16%
Chlorobenzene	GWC-18	FALSE	1%
Chlorobenzene	GWC-19R	FALSE	1%
Chlorobenzene	GWC-22	FALSE	1%
Chlorobenzene	GWC-23	FALSE	1%
Chlorobenzene	GWC-23A	FALSE	1%
Chlorobenzene	GWC-16A	FALSE	1%
Chlorobenzene	GWA-1A	FALSE	1%
Chlorobenzene	GWC-11	FALSE	1%
Chlorobenzene	GWC-12	FALSE	1%
Chlorobenzene	GWC-12A	FALSE	1%
Chlorobenzene	GWC-13	FALSE	1%
Chlorobenzene	GWC-24	FALSE	1%
Chlorobenzene	GWC-4	FALSE	1%
Chlorobenzene	GWC-4A	FALSE	1%
Chlorobenzene	GWC-15	FALSE	1%
Chlorobenzene	GWA-3	FALSE	1%
Chlorobenzene	GWC-10	FALSE	1%
Chlorobenzene	GWC-10A	FALSE	1%
Chlorobenzene	GWC-14A	FALSE	1%
Chlorobenzene	GWC-14R	FALSE	1%
Chlorobenzene	GWC-2	FALSE	1%
Chlorobenzene	GWC-3	FALSE	1%
Chlorobenzene	GWC-3A	FALSE	1%
Chlorobenzene	GWC-5	FALSE	1%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2022 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Chlorobenzene	GWC-6	FALSE	1%
Chlorobenzene	GWC-7	FALSE	1%
Chlorobenzene	GWC-8	FALSE	1%
Chlorobenzene	GWC-8A	FALSE	1%
Chlorobenzene	GWC-8R	FALSE	1%
Chlorobenzene	GWC-9	FALSE	1%
Chlorobenzene	GWC-14	FALSE	1%
Chlorobenzene	GWC-17	FALSE	1%
Chlorobenzene	GWC-18	FALSE	0.16%
Chlorobenzene	GWC-19R	FALSE	0.16%
Chlorobenzene	GWC-22	FALSE	0.16%
Chlorobenzene	GWC-23	FALSE	0.16%
Chlorobenzene	GWC-23A	FALSE	0.16%
Chlorobenzene	GWC-16A	FALSE	0.16%
Chlorobenzene	GWA-1A	FALSE	0.16%
Chlorobenzene	GWC-11	FALSE	0.16%
Chlorobenzene	GWC-12	FALSE	0.16%
Chlorobenzene	GWC-12A	FALSE	0.16%
Chlorobenzene	GWC-13	FALSE	0.16%
Chlorobenzene	GWC-24	FALSE	0.16%
Chlorobenzene	GWC-4	FALSE	0.16%
Chlorobenzene	GWC-4A	FALSE	0.16%
Chlorobenzene	GWC-15	FALSE	0.16%
Chlorobenzene	GWA-3	FALSE	0.16%
Chlorobenzene	GWC-10	FALSE	0.16%
Chlorobenzene	GWC-10A	FALSE	0.16%
Chlorobenzene	GWC-14A	FALSE	0.16%
Chlorobenzene	GWC-14R	FALSE	0.16%
Chlorobenzene	GWC-2	FALSE	0.16%
Chlorobenzene	GWC-3	FALSE	0.16%
Chlorobenzene	GWC-3A	FALSE	0.16%
Chlorobenzene	GWC-5	FALSE	0.16%
Chlorobenzene	GWC-6	FALSE	0.16%
Chlorobenzene	GWC-7	FALSE	0.16%
Chlorobenzene	GWC-8	FALSE	0.16%
Chlorobenzene	GWC-8A	FALSE	0.16%
Chlorobenzene	GWC-8R	FALSE	0.16%
Chlorobenzene	GWC-9	FALSE	0.16%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Chlorobenzene	GWC-14	FALSE	0.16%
Chlorobenzene	GWC-17	FALSE	0.16%
Chloroethane	GWC-18	FALSE	1%
Chloroethane	GWC-19R	FALSE	1%
Chloroethane	GWC-22	FALSE	1%
Chloroethane	GWC-23	FALSE	1%
Chloroethane	GWC-23A	FALSE	1%
Chloroethane	GWC-16A	FALSE	1%
Chloroethane	GWA-1A	FALSE	1%
Chloroethane	GWC-11	FALSE	1%
Chloroethane	GWC-12	FALSE	1%
Chloroethane	GWC-12A	FALSE	1%
Chloroethane	GWC-13	FALSE	1%
Chloroethane	GWC-24	FALSE	1%
Chloroethane	GWC-4	FALSE	1%
Chloroethane	GWC-4A	FALSE	1%
Chloroethane	GWC-15	FALSE	1%
Chloroethane	GWA-3	FALSE	1%
Chloroethane	GWC-10	FALSE	1%
Chloroethane	GWC-10A	FALSE	1%
Chloroethane	GWC-14A	TRUE	1%
Chloroethane	GWC-14R	FALSE	1%
Chloroethane	GWC-2	FALSE	1%
Chloroethane	GWC-3	FALSE	1%
Chloroethane	GWC-3A	FALSE	1%
Chloroethane	GWC-5	FALSE	1%
Chloroethane	GWC-6	FALSE	1%
Chloroethane	GWC-7	FALSE	1%
Chloroethane	GWC-8	FALSE	1%
Chloroethane	GWC-8A	FALSE	1%
Chloroethane	GWC-8R	FALSE	1%
Chloroethane	GWC-9	FALSE	1%
Chloroethane	GWC-14	FALSE	1%
Chloroethane	GWC-17	FALSE	1%
Chloroethane	GWC-18	FALSE	0.16%
Chloroethane	GWC-19R	FALSE	0.16%
Chloroethane	GWC-22	FALSE	0.16%
Chloroethane	GWC-23	FALSE	0.16%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Chloroethane	GWC-23A	FALSE	0.16%
Chloroethane	GWC-16A	FALSE	0.16%
Chloroethane	GWA-1A	FALSE	0.16%
Chloroethane	GWC-11	FALSE	0.16%
Chloroethane	GWC-12	FALSE	0.16%
Chloroethane	GWC-12A	FALSE	0.16%
Chloroethane	GWC-13	FALSE	0.16%
Chloroethane	GWC-24	FALSE	0.16%
Chloroethane	GWC-4	FALSE	0.16%
Chloroethane	GWC-4A	FALSE	0.16%
Chloroethane	GWC-15	FALSE	0.16%
Chloroethane	GWA-3	FALSE	0.16%
Chloroethane	GWC-10	FALSE	0.16%
Chloroethane	GWC-10A	FALSE	0.16%
Chloroethane	GWC-14A	TRUE	0.16%
Chloroethane	GWC-14R	FALSE	0.16%
Chloroethane	GWC-2	FALSE	0.16%
Chloroethane	GWC-3	FALSE	0.16%
Chloroethane	GWC-3A	FALSE	0.16%
Chloroethane	GWC-5	FALSE	0.16%
Chloroethane	GWC-6	FALSE	0.16%
Chloroethane	GWC-7	FALSE	0.16%
Chloroethane	GWC-8	FALSE	0.16%
Chloroethane	GWC-8A	FALSE	0.16%
Chloroethane	GWC-8R	FALSE	0.16%
Chloroethane	GWC-9	FALSE	0.16%
Chloroethane	GWC-14	FALSE	0.16%
Chloroethane	GWC-17	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-18	TRUE	1%
cis-1,2-Dichloroethene	GWC-19R	TRUE	1%
cis-1,2-Dichloroethene	GWC-22	FALSE	1%
cis-1,2-Dichloroethene	GWC-23	FALSE	1%
cis-1,2-Dichloroethene	GWC-23A	FALSE	1%
cis-1,2-Dichloroethene	GWC-16A	TRUE	1%
cis-1,2-Dichloroethene	GWA-1A	FALSE	1%
cis-1,2-Dichloroethene	GWC-11	FALSE	1%
cis-1,2-Dichloroethene	GWC-12	FALSE	1%
cis-1,2-Dichloroethene	GWC-12A	FALSE	1%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2022 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
cis-1,2-Dichloroethene	GWC-13	FALSE	1%
cis-1,2-Dichloroethene	GWC-24	FALSE	1%
cis-1,2-Dichloroethene	GWC-4	FALSE	1%
cis-1,2-Dichloroethene	GWC-4A	FALSE	1%
cis-1,2-Dichloroethene	GWC-15	TRUE	1%
cis-1,2-Dichloroethene	GWA-3	FALSE	1%
cis-1,2-Dichloroethene	GWC-10	FALSE	1%
cis-1,2-Dichloroethene	GWC-10A	FALSE	1%
cis-1,2-Dichloroethene	GWC-14A	TRUE	1%
cis-1,2-Dichloroethene	GWC-14R	TRUE	1%
cis-1,2-Dichloroethene	GWC-2	FALSE	1%
cis-1,2-Dichloroethene	GWC-3	FALSE	1%
cis-1,2-Dichloroethene	GWC-3A	FALSE	1%
cis-1,2-Dichloroethene	GWC-5	FALSE	1%
cis-1,2-Dichloroethene	GWC-6	FALSE	1%
cis-1,2-Dichloroethene	GWC-7	FALSE	1%
cis-1,2-Dichloroethene	GWC-8	FALSE	1%
cis-1,2-Dichloroethene	GWC-8A	TRUE	1%
cis-1,2-Dichloroethene	GWC-8R	TRUE	1%
cis-1,2-Dichloroethene	GWC-9	FALSE	1%
cis-1,2-Dichloroethene	GWC-14	FALSE	1%
cis-1,2-Dichloroethene	GWC-17	TRUE	1%
cis-1,2-Dichloroethene	GWC-18	TRUE	0.16%
cis-1,2-Dichloroethene	GWC-19R	TRUE	0.16%
cis-1,2-Dichloroethene	GWC-22	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-23	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-23A	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-16A	FALSE	0.16%
cis-1,2-Dichloroethene	GWA-1A	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-11	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-12	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-12A	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-13	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-24	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-4	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-4A	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-15	TRUE	0.16%
cis-1,2-Dichloroethene	GWA-3	FALSE	0.16%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2022 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
cis-1,2-Dichloroethene	GWC-10	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-10A	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-14A	TRUE	0.16%
cis-1,2-Dichloroethene	GWC-14R	TRUE	0.16%
cis-1,2-Dichloroethene	GWC-2	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-3	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-3A	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-5	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-6	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-7	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-8	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-8A	TRUE	0.16%
cis-1,2-Dichloroethene	GWC-8R	TRUE	0.16%
cis-1,2-Dichloroethene	GWC-9	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-14	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-17	TRUE	0.16%
Tetrachloroethene	GWC-18	TRUE	1%
Tetrachloroethene	GWC-19R	FALSE	1%
Tetrachloroethene	GWC-22	FALSE	1%
Tetrachloroethene	GWC-23	FALSE	1%
Tetrachloroethene	GWC-23A	FALSE	1%
Tetrachloroethene	GWC-16A	FALSE	1%
Tetrachloroethene	GWA-1A	FALSE	1%
Tetrachloroethene	GWC-11	FALSE	1%
Tetrachloroethene	GWC-12	FALSE	1%
Tetrachloroethene	GWC-12A	FALSE	1%
Tetrachloroethene	GWC-13	FALSE	1%
Tetrachloroethene	GWC-24	FALSE	1%
Tetrachloroethene	GWC-4	FALSE	1%
Tetrachloroethene	GWC-4A	FALSE	1%
Tetrachloroethene	GWC-15	TRUE	1%
Tetrachloroethene	GWA-3	FALSE	1%
Tetrachloroethene	GWC-10	FALSE	1%
Tetrachloroethene	GWC-10A	FALSE	1%
Tetrachloroethene	GWC-14A	FALSE	1%
Tetrachloroethene	GWC-14R	FALSE	1%
Tetrachloroethene	GWC-2	FALSE	1%
Tetrachloroethene	GWC-3	FALSE	1%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPFI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2022 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Tetrachloroethene	GWC-3A	FALSE	1%
Tetrachloroethene	GWC-5	FALSE	1%
Tetrachloroethene	GWC-6	FALSE	1%
Tetrachloroethene	GWC-7	FALSE	1%
Tetrachloroethene	GWC-8	FALSE	1%
Tetrachloroethene	GWC-8A	FALSE	1%
Tetrachloroethene	GWC-8R	FALSE	1%
Tetrachloroethene	GWC-9	FALSE	1%
Tetrachloroethene	GWC-14	FALSE	1%
Tetrachloroethene	GWC-17	FALSE	1%
Tetrachloroethene	GWC-18	TRUE	0.16%
Tetrachloroethene	GWC-19R	FALSE	0.16%
Tetrachloroethene	GWC-22	FALSE	0.16%
Tetrachloroethene	GWC-23	FALSE	0.16%
Tetrachloroethene	GWC-23A	FALSE	0.16%
Tetrachloroethene	GWC-16A	FALSE	0.16%
Tetrachloroethene	GWA-1A	FALSE	0.16%
Tetrachloroethene	GWC-11	FALSE	0.16%
Tetrachloroethene	GWC-12	FALSE	0.16%
Tetrachloroethene	GWC-12A	FALSE	0.16%
Tetrachloroethene	GWC-13	FALSE	0.16%
Tetrachloroethene	GWC-24	FALSE	0.16%
Tetrachloroethene	GWC-4	FALSE	0.16%
Tetrachloroethene	GWC-4A	FALSE	0.16%
Tetrachloroethene	GWC-15	TRUE	0.16%
Tetrachloroethene	GWA-3	FALSE	0.16%
Tetrachloroethene	GWC-10	FALSE	0.16%
Tetrachloroethene	GWC-10A	FALSE	0.16%
Tetrachloroethene	GWC-14A	FALSE	0.16%
Tetrachloroethene	GWC-14R	FALSE	0.16%
Tetrachloroethene	GWC-2	FALSE	0.16%
Tetrachloroethene	GWC-3	FALSE	0.16%
Tetrachloroethene	GWC-3A	FALSE	0.16%
Tetrachloroethene	GWC-5	FALSE	0.16%
Tetrachloroethene	GWC-6	FALSE	0.16%
Tetrachloroethene	GWC-7	FALSE	0.16%
Tetrachloroethene	GWC-8	FALSE	0.16%
Tetrachloroethene	GWC-8A	FALSE	0.16%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Tetrachloroethene	GWC-8R	FALSE	0.16%
Tetrachloroethene	GWC-9	FALSE	0.16%
Tetrachloroethene	GWC-14	FALSE	0.16%
Tetrachloroethene	GWC-17	FALSE	0.16%
Trichloroethene	GWC-18	FALSE	1%
Trichloroethene	GWC-19R	FALSE	1%
Trichloroethene	GWC-22	FALSE	1%
Trichloroethene	GWC-23	FALSE	1%
Trichloroethene	GWC-23A	FALSE	1%
Trichloroethene	GWC-16A	FALSE	1%
Trichloroethene	GWA-1A	FALSE	1%
Trichloroethene	GWC-11	FALSE	1%
Trichloroethene	GWC-12	FALSE	1%
Trichloroethene	GWC-12A	FALSE	1%
Trichloroethene	GWC-13	FALSE	1%
Trichloroethene	GWC-24	FALSE	1%
Trichloroethene	GWC-4	FALSE	1%
Trichloroethene	GWC-4A	FALSE	1%
Trichloroethene	GWC-15	TRUE	1%
Trichloroethene	GWA-3	FALSE	1%
Trichloroethene	GWC-10	FALSE	1%
Trichloroethene	GWC-10A	FALSE	1%
Trichloroethene	GWC-14A	TRUE	1%
Trichloroethene	GWC-14R	TRUE	1%
Trichloroethene	GWC-2	FALSE	1%
Trichloroethene	GWC-3	FALSE	1%
Trichloroethene	GWC-3A	FALSE	1%
Trichloroethene	GWC-5	FALSE	1%
Trichloroethene	GWC-6	FALSE	1%
Trichloroethene	GWC-7	FALSE	1%
Trichloroethene	GWC-8	FALSE	1%
Trichloroethene	GWC-8A	FALSE	1%
Trichloroethene	GWC-8R	FALSE	1%
Trichloroethene	GWC-9	FALSE	1%
Trichloroethene	GWC-14	FALSE	1%
Trichloroethene	GWC-17	FALSE	1%
Trichloroethene	GWC-18	FALSE	0.16%
Trichloroethene	GWC-19R	FALSE	0.16%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Trichloroethene	GWC-22	FALSE	0.16%
Trichloroethene	GWC-23	FALSE	0.16%
Trichloroethene	GWC-23A	FALSE	0.16%
Trichloroethene	GWC-16A	FALSE	0.16%
Trichloroethene	GWA-1A	FALSE	0.16%
Trichloroethene	GWC-11	FALSE	0.16%
Trichloroethene	GWC-12	FALSE	0.16%
Trichloroethene	GWC-12A	FALSE	0.16%
Trichloroethene	GWC-13	FALSE	0.16%
Trichloroethene	GWC-24	FALSE	0.16%
Trichloroethene	GWC-4	FALSE	0.16%
Trichloroethene	GWC-4A	FALSE	0.16%
Trichloroethene	GWC-15	TRUE	0.16%
Trichloroethene	GWA-3	FALSE	0.16%
Trichloroethene	GWC-10	FALSE	0.16%
Trichloroethene	GWC-10A	FALSE	0.16%
Trichloroethene	GWC-14A	FALSE	0.16%
Trichloroethene	GWC-14R	TRUE	0.16%
Trichloroethene	GWC-2	FALSE	0.16%
Trichloroethene	GWC-3	FALSE	0.16%
Trichloroethene	GWC-3A	FALSE	0.16%
Trichloroethene	GWC-5	FALSE	0.16%
Trichloroethene	GWC-6	FALSE	0.16%
Trichloroethene	GWC-7	FALSE	0.16%
Trichloroethene	GWC-8	FALSE	0.16%
Trichloroethene	GWC-8A	FALSE	0.16%
Trichloroethene	GWC-8R	FALSE	0.16%
Trichloroethene	GWC-9	FALSE	0.16%
Trichloroethene	GWC-14	FALSE	0.16%
Trichloroethene	GWC-17	FALSE	0.16%
Vinyl chloride	GWC-18	FALSE	1%
Vinyl chloride	GWC-19R	FALSE	1%
Vinyl chloride	GWC-22	FALSE	1%
Vinyl chloride	GWC-23	FALSE	1%
Vinyl chloride	GWC-23A	FALSE	1%
Vinyl chloride	GWC-16A	FALSE	1%
Vinyl chloride	GWA-1A	FALSE	1%
Vinyl chloride	GWC-11	FALSE	1%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Vinyl chloride	GWC-12	FALSE	1%
Vinyl chloride	GWC-12A	FALSE	1%
Vinyl chloride	GWC-13	FALSE	1%
Vinyl chloride	GWC-24	FALSE	1%
Vinyl chloride	GWC-4	FALSE	1%
Vinyl chloride	GWC-4A	FALSE	1%
Vinyl chloride	GWC-15	FALSE	1%
Vinyl chloride	GWA-3	FALSE	1%
Vinyl chloride	GWC-10	FALSE	1%
Vinyl chloride	GWC-10A	FALSE	1%
Vinyl chloride	GWC-14A	TRUE	1%
Vinyl chloride	GWC-14R	FALSE	1%
Vinyl chloride	GWC-2	FALSE	1%
Vinyl chloride	GWC-3	FALSE	1%
Vinyl chloride	GWC-3A	FALSE	1%
Vinyl chloride	GWC-5	FALSE	1%
Vinyl chloride	GWC-6	FALSE	1%
Vinyl chloride	GWC-7	FALSE	1%
Vinyl chloride	GWC-8	FALSE	1%
Vinyl chloride	GWC-8A	FALSE	1%
Vinyl chloride	GWC-8R	FALSE	1%
Vinyl chloride	GWC-9	FALSE	1%
Vinyl chloride	GWC-14	FALSE	1%
Vinyl chloride	GWC-17	FALSE	1%
Vinyl chloride	GWC-18	FALSE	0.16%
Vinyl chloride	GWC-19R	FALSE	0.16%
Vinyl chloride	GWC-22	FALSE	0.16%
Vinyl chloride	GWC-23	FALSE	0.16%
Vinyl chloride	GWC-23A	FALSE	0.16%
Vinyl chloride	GWC-16A	FALSE	0.16%
Vinyl chloride	GWA-1A	FALSE	0.16%
Vinyl chloride	GWC-11	FALSE	0.16%
Vinyl chloride	GWC-12	FALSE	0.16%
Vinyl chloride	GWC-12A	FALSE	0.16%
Vinyl chloride	GWC-13	FALSE	0.16%
Vinyl chloride	GWC-24	FALSE	0.16%
Vinyl chloride	GWC-4	FALSE	0.16%
Vinyl chloride	GWC-4A	FALSE	0.16%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Vinyl chloride	GWC-15	FALSE	0.16%
Vinyl chloride	GWA-3	FALSE	0.16%
Vinyl chloride	GWC-10	FALSE	0.16%
Vinyl chloride	GWC-10A	FALSE	0.16%
Vinyl chloride	GWC-14A	TRUE	0.16%
Vinyl chloride	GWC-14R	FALSE	0.16%
Vinyl chloride	GWC-2	FALSE	0.16%
Vinyl chloride	GWC-3	FALSE	0.16%
Vinyl chloride	GWC-3A	FALSE	0.16%
Vinyl chloride	GWC-5	FALSE	0.16%
Vinyl chloride	GWC-6	FALSE	0.16%
Vinyl chloride	GWC-7	FALSE	0.16%
Vinyl chloride	GWC-8	FALSE	0.16%
Vinyl chloride	GWC-8A	FALSE	0.16%
Vinyl chloride	GWC-8R	FALSE	0.16%
Vinyl chloride	GWC-9	FALSE	0.16%
Vinyl chloride	GWC-14	FALSE	0.16%
Vinyl chloride	GWC-17	FALSE	0.16%
Barium	GWA-1A	FALSE	1%
Barium	GWC-18	TRUE	1%
Barium	GWC-19R	TRUE	1%
Barium	GWC-22	FALSE	1%
Barium	GWC-23	FALSE	1%
Barium	GWC-23A	FALSE	1%
Barium	GWC-15	TRUE	1%
Barium	GWC-16A	FALSE	1%
Barium	GWC-11	FALSE	1%
Barium	GWC-12	FALSE	1%
Barium	GWC-12A	FALSE	1%
Barium	GWC-13	FALSE	1%
Barium	GWC-14A	TRUE	1%
Barium	GWC-4	FALSE	1%
Barium	GWC-4A	FALSE	1%
Barium	GWA-3	FALSE	1%
Barium	GWC-10	FALSE	1%
Barium	GWC-10A	FALSE	1%
Barium	GWC-2	FALSE	1%
Barium	GWC-3A	FALSE	1%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPIT.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Barium	GWC-5	FALSE	1%
Barium	GWC-6	FALSE	1%
Barium	GWC-7	TRUE	1%
Barium	GWC-8	FALSE	1%
Barium	GWC-8A	TRUE	1%
Barium	GWC-9	TRUE	1%
Barium	GWC-17	FALSE	1%
Barium	GWC-24	FALSE	1%
Barium	GWC-14	FALSE	1%
Barium	GWC-3	FALSE	1%
Barium	GWC-14R	FALSE	1%
Barium	GWC-8R	FALSE	1%
Barium	GWA-1A	FALSE	0.16%
Barium	GWC-18	TRUE	0.16%
Barium	GWC-19R	TRUE	0.16%
Barium	GWC-22	FALSE	0.16%
Barium	GWC-23	FALSE	0.16%
Barium	GWC-23A	FALSE	0.16%
Barium	GWC-15	TRUE	0.16%
Barium	GWC-16A	FALSE	0.16%
Barium	GWC-11	FALSE	0.16%
Barium	GWC-12	FALSE	0.16%
Barium	GWC-12A	FALSE	0.16%
Barium	GWC-13	FALSE	0.16%
Barium	GWC-14A	TRUE	0.16%
Barium	GWC-4	FALSE	0.16%
Barium	GWC-4A	FALSE	0.16%
Barium	GWA-3	FALSE	0.16%
Barium	GWC-10	FALSE	0.16%
Barium	GWC-10A	FALSE	0.16%
Barium	GWC-2	FALSE	0.16%
Barium	GWC-3A	FALSE	0.16%
Barium	GWC-5	FALSE	0.16%
Barium	GWC-6	FALSE	0.16%
Barium	GWC-7	FALSE	0.16%
Barium	GWC-8	FALSE	0.16%
Barium	GWC-8A	FALSE	0.16%
Barium	GWC-9	TRUE	0.16%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Barium	GWC-17	FALSE	0.16%
Barium	GWC-24	FALSE	0.16%
Barium	GWC-14	FALSE	0.16%
Barium	GWC-3	FALSE	0.16%
Barium	GWC-14R	FALSE	0.16%
Barium	GWC-8R	FALSE	0.16%
Cobalt	GWA-1A	FALSE	1%
Cobalt	GWC-18	FALSE	1%
Cobalt	GWC-19R	FALSE	1%
Cobalt	GWC-22	FALSE	1%
Cobalt	GWC-23	FALSE	1%
Cobalt	GWC-23A	FALSE	1%
Cobalt	GWC-15	FALSE	1%
Cobalt	GWC-16A	FALSE	1%
Cobalt	GWC-11	FALSE	1%
Cobalt	GWC-12	FALSE	1%
Cobalt	GWC-12A	FALSE	1%
Cobalt	GWC-13	FALSE	1%
Cobalt	GWC-14A	TRUE	1%
Cobalt	GWC-4	FALSE	1%
Cobalt	GWC-4A	FALSE	1%
Cobalt	GWA-3	FALSE	1%
Cobalt	GWC-10	FALSE	1%
Cobalt	GWC-10A	FALSE	1%
Cobalt	GWC-2	FALSE	1%
Cobalt	GWC-3A	FALSE	1%
Cobalt	GWC-5	FALSE	1%
Cobalt	GWC-6	FALSE	1%
Cobalt	GWC-7	FALSE	1%
Cobalt	GWC-8	FALSE	1%
Cobalt	GWC-8A	FALSE	1%
Cobalt	GWC-9	FALSE	1%
Cobalt	GWC-17	FALSE	1%
Cobalt	GWC-24	FALSE	1%
Cobalt	GWC-14	TRUE	1%
Cobalt	GWC-3	FALSE	1%
Cobalt	GWC-14R	FALSE	1%
Cobalt	GWC-8R	FALSE	1%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Cobalt	GWA-1A	FALSE	0.16%
Cobalt	GWC-18	FALSE	0.16%
Cobalt	GWC-19R	FALSE	0.16%
Cobalt	GWC-22	FALSE	0.16%
Cobalt	GWC-23	FALSE	0.16%
Cobalt	GWC-23A	FALSE	0.16%
Cobalt	GWC-15	FALSE	0.16%
Cobalt	GWC-16A	FALSE	0.16%
Cobalt	GWC-11	FALSE	0.16%
Cobalt	GWC-12	FALSE	0.16%
Cobalt	GWC-12A	FALSE	0.16%
Cobalt	GWC-13	FALSE	0.16%
Cobalt	GWC-14A	TRUE	0.16%
Cobalt	GWC-4	FALSE	0.16%
Cobalt	GWC-4A	FALSE	0.16%
Cobalt	GWA-3	FALSE	0.16%
Cobalt	GWC-10	FALSE	0.16%
Cobalt	GWC-10A	FALSE	0.16%
Cobalt	GWC-2	FALSE	0.16%
Cobalt	GWC-3A	FALSE	0.16%
Cobalt	GWC-5	FALSE	0.16%
Cobalt	GWC-6	FALSE	0.16%
Cobalt	GWC-7	FALSE	0.16%
Cobalt	GWC-8	FALSE	0.16%
Cobalt	GWC-8A	FALSE	0.16%
Cobalt	GWC-9	FALSE	0.16%
Cobalt	GWC-17	FALSE	0.16%
Cobalt	GWC-24	FALSE	0.16%
Cobalt	GWC-14	TRUE	0.16%
Cobalt	GWC-3	FALSE	0.16%
Cobalt	GWC-14R	FALSE	0.16%
Cobalt	GWC-8R	FALSE	0.16%
Nickel	GWA-1A	FALSE	1%
Nickel	GWC-18	FALSE	1%
Nickel	GWC-19R	FALSE	1%
Nickel	GWC-22	FALSE	1%
Nickel	GWC-23	FALSE	1%
Nickel	GWC-23A	FALSE	1%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPIT.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Nickel	GWC-15	FALSE	1%
Nickel	GWC-16A	FALSE	1%
Nickel	GWC-11	FALSE	1%
Nickel	GWC-12	FALSE	1%
Nickel	GWC-12A	FALSE	1%
Nickel	GWC-13	FALSE	1%
Nickel	GWC-14A	TRUE	1%
Nickel	GWC-4	FALSE	1%
Nickel	GWC-4A	FALSE	1%
Nickel	GWA-3	FALSE	1%
Nickel	GWC-10	FALSE	1%
Nickel	GWC-10A	FALSE	1%
Nickel	GWC-2	FALSE	1%
Nickel	GWC-3A	FALSE	1%
Nickel	GWC-5	FALSE	1%
Nickel	GWC-6	FALSE	1%
Nickel	GWC-7	FALSE	1%
Nickel	GWC-8	FALSE	1%
Nickel	GWC-8A	FALSE	1%
Nickel	GWC-9	FALSE	1%
Nickel	GWC-17	FALSE	1%
Nickel	GWC-24	FALSE	1%
Nickel	GWC-14	FALSE	1%
Nickel	GWC-3	FALSE	1%
Nickel	GWC-14R	FALSE	1%
Nickel	GWC-8R	FALSE	1%
Nickel	GWA-1A	FALSE	0.16%
Nickel	GWC-18	FALSE	0.16%
Nickel	GWC-19R	FALSE	0.16%
Nickel	GWC-22	FALSE	0.16%
Nickel	GWC-23	FALSE	0.16%
Nickel	GWC-23A	FALSE	0.16%
Nickel	GWC-15	FALSE	0.16%
Nickel	GWC-16A	FALSE	0.16%
Nickel	GWC-11	FALSE	0.16%
Nickel	GWC-12	FALSE	0.16%
Nickel	GWC-12A	FALSE	0.16%
Nickel	GWC-13	FALSE	0.16%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Nickel	GWC-14A	TRUE	0.16%
Nickel	GWC-4	FALSE	0.16%
Nickel	GWC-4A	FALSE	0.16%
Nickel	GWA-3	FALSE	0.16%
Nickel	GWC-10	FALSE	0.16%
Nickel	GWC-10A	FALSE	0.16%
Nickel	GWC-2	FALSE	0.16%
Nickel	GWC-3A	FALSE	0.16%
Nickel	GWC-5	FALSE	0.16%
Nickel	GWC-6	FALSE	0.16%
Nickel	GWC-7	FALSE	0.16%
Nickel	GWC-8	FALSE	0.16%
Nickel	GWC-8A	FALSE	0.16%
Nickel	GWC-9	FALSE	0.16%
Nickel	GWC-17	FALSE	0.16%
Nickel	GWC-24	FALSE	0.16%
Nickel	GWC-14	FALSE	0.16%
Nickel	GWC-3	FALSE	0.16%
Nickel	GWC-14R	FALSE	0.16%
Nickel	GWC-8R	FALSE	0.16%
Zinc	GWA-1A	FALSE	1%
Zinc	GWC-18	FALSE	1%
Zinc	GWC-19R	FALSE	1%
Zinc	GWC-22	FALSE	1%
Zinc	GWC-23	FALSE	1%
Zinc	GWC-23A	FALSE	1%
Zinc	GWC-15	FALSE	1%
Zinc	GWC-16A	FALSE	1%
Zinc	GWC-11	FALSE	1%
Zinc	GWC-12	FALSE	1%
Zinc	GWC-12A	FALSE	1%
Zinc	GWC-13	FALSE	1%
Zinc	GWC-14A	FALSE	1%
Zinc	GWC-4	FALSE	1%
Zinc	GWC-4A	FALSE	1%
Zinc	GWA-3	FALSE	1%
Zinc	GWC-10	FALSE	1%
Zinc	GWC-10A	FALSE	1%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPIT.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Zinc	GWC-2	FALSE	1%
Zinc	GWC-3A	FALSE	1%
Zinc	GWC-5	FALSE	1%
Zinc	GWC-6	FALSE	1%
Zinc	GWC-7	FALSE	1%
Zinc	GWC-8	FALSE	1%
Zinc	GWC-8A	FALSE	1%
Zinc	GWC-9	TRUE	1%
Zinc	GWC-17	FALSE	1%
Zinc	GWC-24	FALSE	1%
Zinc	GWC-14	FALSE	1%
Zinc	GWC-3	FALSE	1%
Zinc	GWC-14R	FALSE	1%
Zinc	GWC-8R	FALSE	1%
Zinc	GWA-1A	FALSE	0.16%
Zinc	GWC-18	FALSE	0.16%
Zinc	GWC-19R	FALSE	0.16%
Zinc	GWC-22	FALSE	0.16%
Zinc	GWC-23	FALSE	0.16%
Zinc	GWC-23A	FALSE	0.16%
Zinc	GWC-15	FALSE	0.16%
Zinc	GWC-16A	FALSE	0.16%
Zinc	GWC-11	FALSE	0.16%
Zinc	GWC-12	FALSE	0.16%
Zinc	GWC-12A	FALSE	0.16%
Zinc	GWC-13	FALSE	0.16%
Zinc	GWC-14A	FALSE	0.16%
Zinc	GWC-4	FALSE	0.16%
Zinc	GWC-4A	FALSE	0.16%
Zinc	GWA-3	FALSE	0.16%
Zinc	GWC-10	FALSE	0.16%
Zinc	GWC-10A	FALSE	0.16%
Zinc	GWC-2	FALSE	0.16%
Zinc	GWC-3A	FALSE	0.16%
Zinc	GWC-5	FALSE	0.16%
Zinc	GWC-6	FALSE	0.16%
Zinc	GWC-7	FALSE	0.16%
Zinc	GWC-8	FALSE	0.16%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Zinc	GWC-8A	FALSE	0.16%
Zinc	GWC-9	FALSE	0.16%
Zinc	GWC-17	FALSE	0.16%
Zinc	GWC-24	FALSE	0.16%
Zinc	GWC-14	FALSE	0.16%
Zinc	GWC-3	FALSE	0.16%
Zinc	GWC-14R	FALSE	0.16%
Zinc	GWC-8R	FALSE	0.16%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Kruskal-Wallis Non-Parametric Test

Parameter: 1,1-Dichloroethane

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks**Background Locations**

Loc. ID	Date	Value	Rank
GWA-1	12/7/2016	ND<1	169
	6/13/2017	ND<1	169
	12/11/2017	ND<1	169
	6/19/2018	ND<1	169
	12/17/2018	ND<1	169
	6/10/2019	ND<1	169
	12/9/2019	ND<1	169
	6/23/2020	ND<1	169
	12/17/2020	ND<1	169
	6/15/2021	ND<1	169
	12/13/2021	ND<1	169
	6/8/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWA-2	12/8/2016	ND<1	169
	6/15/2017	ND<1	169
	12/11/2017	ND<1	169
	6/19/2018	ND<1	169
	12/17/2018	ND<1	169
	6/11/2019	ND<1	169
	12/11/2019	ND<1	169
	6/22/2020	ND<1	169
	12/17/2020	ND<1	169
	6/15/2021	ND<1	169
	12/13/2021	ND<1	169
	6/8/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

Background Rank Sum = 4056

Background Rank Mean = 169

Compliance Locations

Loc. ID	Date	Value	Rank
GWC-18	12/6/2016	ND<1	169
	6/14/2017	ND<1	169
	12/13/2017	ND<1	169
	6/19/2018	ND<1	169
	12/18/2018	ND<1	169
	6/11/2019	ND<1	169
	12/9/2019	ND<1	169
	6/23/2020	ND<1	169
	12/15/2020	ND<1	169
	6/14/2021	ND<1	169
	12/14/2021	ND<1	169

6/7/2022 ND<1 169

Rank Sum = 2028

Rank Mean = 169

GWC-19R	12/6/2016	ND<1	169
	6/14/2017	ND<1	169
	12/13/2017	ND<1	169
	6/19/2018	ND<1	169
	12/18/2018	ND<1	169
	6/11/2019	ND<1	169
	12/9/2019	ND<1	169
	6/23/2020	ND<1	169
	12/15/2020	ND<1	169
	6/14/2021	ND<1	169
	12/14/2021	ND<1	169
	6/6/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-22	12/6/2016	ND<1	169
	6/14/2017	ND<1	169
	12/11/2017	ND<1	169
	6/19/2018	ND<1	169
	12/18/2018	ND<1	169
	6/12/2019	ND<1	169
	12/11/2019	ND<1	169
	6/23/2020	ND<1	169
	12/17/2020	ND<1	169
	6/14/2021	ND<1	169
	12/13/2021	ND<1	169
	6/6/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-23	12/6/2016	ND<1	169
	6/14/2017	ND<1	169
	12/11/2017	ND<1	169
	6/18/2018	ND<1	169
	12/18/2018	ND<1	169
	6/12/2019	ND<1	169
	12/11/2019	ND<1	169
	6/24/2020	ND<1	169
	12/16/2020	ND<1	169
	6/14/2021	ND<1	169
	12/13/2021	ND<1	169
	6/6/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-23A	12/6/2016	ND<1	169
	6/14/2017	ND<1	169
	12/11/2017	ND<1	169
	6/18/2018	ND<1	169
	12/18/2018	ND<1	169
	6/12/2019	ND<1	169
	12/11/2019	ND<1	169
	6/24/2020	ND<1	169

1,1-Dichloroethane

12/16/2020	ND<1	169
6/14/2021	ND<1	169
12/13/2021	ND<1	169
6/6/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-16A	12/7/2016	ND<1	169
	6/14/2017	3.7	347
	12/13/2017	ND<1	169
	6/21/2018	ND<1	169
	12/19/2018	ND<1	169
	6/13/2019	ND<1	169
	12/11/2019	ND<1	169
	6/23/2020	ND<1	169
	12/17/2020	ND<1	169
	6/16/2021	ND<1	169
	12/16/2021	ND<1	169
	6/9/2022	ND<1	169

Rank Sum = 2206

Rank Mean = 183.833

GWA-1A	12/7/2016	ND<1	169
	6/12/2017	ND<1	169
	12/13/2017	ND<1	169
	6/19/2018	ND<1	169
	12/18/2018	ND<1	169
	6/10/2019	ND<1	169
	12/9/2019	ND<1	169
	6/23/2020	ND<1	169
	12/17/2020	ND<1	169
	6/17/2021	ND<1	169
	12/16/2021	ND<1	169
	6/8/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-11	12/7/2016	ND<1	169
	6/14/2017	ND<1	169
	12/13/2017	ND<1	169
	6/19/2018	ND<1	169
	12/19/2018	ND<1	169
	6/12/2019	ND<1	169
	12/12/2019	ND<1	169
	6/24/2020	ND<1	169
	12/15/2020	ND<1	169
	6/15/2021	ND<1	169
	12/13/2021	ND<1	169
	6/7/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-12	12/7/2016	ND<1	169
	6/14/2017	ND<1	169
	12/13/2017	ND<1	169
	6/19/2018	ND<1	169
	12/19/2018	ND<1	169

1,1-Dichloroethane

6/11/2019	ND<1	169
12/9/2019	ND<1	169
6/24/2020	ND<1	169
12/15/2020	ND<1	169
6/15/2021	ND<1	169
12/13/2021	ND<1	169
6/7/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-12A	12/7/2016	ND<1	169
	6/14/2017	ND<1	169
	12/13/2017	ND<1	169
	6/19/2018	ND<1	169
	12/19/2018	ND<1	169
	6/11/2019	ND<1	169
	12/9/2019	ND<1	169
	6/24/2020	ND<1	169
	12/15/2020	ND<1	169
	6/15/2021	ND<1	169
	12/13/2021	ND<1	169
	6/7/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-13	12/7/2016	ND<1	169
	6/14/2017	ND<1	169
	12/12/2017	ND<1	169
	6/19/2018	ND<1	169
	12/19/2018	ND<1	169
	6/12/2019	ND<1	169
	12/11/2019	ND<1	169
	6/23/2020	ND<1	169
	12/15/2020	ND<1	169
	6/15/2021	ND<1	169
	12/15/2021	ND<1	169
	6/8/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-24	12/7/2016	ND<1	169
	6/14/2017	ND<1	169
	12/13/2017	ND<1	169
	6/19/2018	ND<1	169
	12/19/2018	ND<1	169
	6/11/2019	ND<1	169
	12/9/2019	ND<1	169
	6/24/2020	ND<1	169
	12/15/2020	ND<1	169
	6/14/2021	ND<1	169
	12/14/2021	ND<1	169
	6/7/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-4	12/7/2016	ND<1	169
	6/20/2018	ND<1	169

1,1-Dichloroethane

6/23/2020	ND<1	169
12/17/2020	ND<1	169
6/16/2021	ND<1	169
12/14/2021	ND<1	169
6/8/2022	ND<1	169

Rank Sum = 1183
Rank Mean = 169

GWC-4A	12/7/2016	ND<1	169
	6/13/2017	ND<1	169
	12/12/2017	ND<1	169
	6/20/2018	ND<1	169
	12/17/2018	ND<1	169
	6/11/2019	ND<1	169
	12/11/2019	ND<1	169
	6/23/2020	ND<1	169
	12/17/2020	ND<1	169
	6/17/2021	ND<1	169
	12/15/2021	ND<1	169
	6/8/2022	ND<1	169

Rank Sum = 2028
Rank Mean = 169

GWC-15	12/8/2016	38	392
	6/14/2017	2.9	343
	12/13/2017	3.7	348
	6/19/2018	ND<1	169
	12/19/2018	3	344
	6/11/2019	38	393
	12/10/2019	23	388
	6/25/2020	39	394
	12/17/2020	33	391
	6/16/2021	42	397
	12/14/2021	39	395
	6/9/2022	39	396

Rank Sum = 4350
Rank Mean = 362.5

GWA-3	12/8/2016	ND<1	169
	6/14/2017	ND<1	169
	12/11/2017	ND<1	169
	6/18/2018	ND<1	169
	12/17/2018	ND<1	169
	6/11/2019	ND<1	169
	12/10/2019	ND<1	169
	6/22/2020	ND<1	169
	12/16/2020	ND<1	169
	6/14/2021	ND<1	169
	12/14/2021	ND<1	169
	6/6/2022	ND<1	169

Rank Sum = 2028
Rank Mean = 169

GWC-10	12/8/2016	ND<1	169
	6/15/2017	ND<1	169
	12/12/2017	ND<1	169
	6/19/2018	ND<1	169

1,1-Dichloroethane

12/17/2018	ND<1	169
6/10/2019	ND<1	169
12/12/2019	ND<1	169
6/24/2020	ND<1	169
12/15/2020	ND<1	169
6/15/2021	ND<1	169
12/15/2021	ND<1	169
6/7/2022	ND<1	169

Rank Sum = 2028
Rank Mean = 169

GWC-10A	12/8/2016	ND<1	169
	6/15/2017	ND<1	169
	12/12/2017	ND<1	169
	6/19/2018	ND<1	169
	12/17/2018	ND<1	169
	6/10/2019	ND<1	169
	12/12/2019	ND<1	169
	6/24/2020	ND<1	169
	12/15/2020	ND<1	169
	6/15/2021	ND<1	169
	12/15/2021	ND<1	169
	6/7/2022	ND<1	169

Rank Sum = 2028
Rank Mean = 169

GWC-14A	12/8/2016	22	385
	6/13/2017	16	374
	12/12/2017	23	389
	6/20/2018	17	378
	12/19/2018	16	375
	6/11/2019	9.2	355
	12/10/2019	14	368
	6/24/2020	10	359
	12/15/2020	11	360
	6/15/2021	9.2	356
	12/14/2021	13	365
	6/9/2022	9.5	358

Rank Sum = 4422
Rank Mean = 368.5

GWC-14R	12/8/2016	24	390
	6/13/2017	21	384
	12/12/2017	20	383
	6/20/2018	22	386
	12/19/2018	18	379
	6/12/2019	18	380
	12/10/2019	14	369
	6/23/2020	18	381
	12/17/2020	19	382
	6/16/2021	16	376
	12/14/2021	14	370
	6/9/2022	11	361

Rank Sum = 4541
Rank Mean = 378.417

GWC-2	12/8/2016	ND<1	169
-------	-----------	------	-----

1,1-Dichloroethane

6/15/2017	ND<1	169
12/13/2017	ND<1	169
6/20/2018	ND<1	169
12/19/2018	ND<1	169
6/12/2019	ND<1	169
12/10/2019	ND<1	169
6/22/2020	ND<1	169
12/16/2020	ND<1	169
6/15/2021	ND<1	169
12/15/2021	ND<1	169
6/7/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-3	12/8/2016	ND<1	169
	6/15/2017	ND<1	169
	6/21/2018	ND<1	169
	12/17/2018	ND<1	169
	6/11/2019	ND<1	169
	12/10/2019	ND<1	169
	6/24/2020	ND<1	169
	12/16/2020	ND<1	169
	6/15/2021	ND<1	169
	12/15/2021	ND<1	169
	6/7/2022	ND<1	169

Rank Sum = 1859

Rank Mean = 169

GWC-3A	12/8/2016	ND<1	169
	6/15/2017	ND<1	169
	12/12/2017	ND<1	169
	6/20/2018	ND<1	169
	12/17/2018	ND<1	169
	6/11/2019	ND<1	169
	12/10/2019	ND<1	169
	6/24/2020	ND<1	169
	12/16/2020	ND<1	169
	6/14/2021	ND<1	169
	12/15/2021	ND<1	169
	6/7/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-5	12/8/2016	ND<1	169
	6/12/2017	ND<1	169
	12/12/2017	ND<1	169
	6/21/2018	ND<1	169
	12/18/2018	ND<1	169
	6/12/2019	ND<1	169
	12/10/2019	ND<1	169
	6/23/2020	ND<1	169
	12/17/2020	ND<1	169
	6/15/2021	ND<1	169
	12/13/2021	ND<1	169
	6/8/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

1,1-Dichloroethane

GWC-6	12/8/2016	ND<1	169
	6/12/2017	ND<1	169
	12/13/2017	ND<1	169
	6/21/2018	ND<1	169
	12/19/2018	ND<1	169
	6/12/2019	ND<1	169
	12/10/2019	ND<1	169
	6/24/2020	ND<1	169
	12/17/2020	ND<1	169
	6/15/2021	ND<1	169
	12/13/2021	ND<1	169
	6/8/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-7	12/8/2016	ND<1	169
	6/12/2017	ND<1	169
	12/12/2017	ND<1	169
	6/19/2018	ND<1	169
	12/18/2018	ND<1	169
	6/12/2019	ND<1	169
	12/11/2019	ND<1	169
	6/24/2020	ND<1	169
	12/17/2020	ND<1	169
	6/15/2021	ND<1	169
	12/13/2021	ND<1	169
	6/8/2022	ND<1	169

Rank Sum = 2028

Rank Mean = 169

GWC-8	12/8/2016	ND<1	169
	12/12/2017	ND<1	169
	6/20/2018	ND<1	169
	12/19/2018	ND<1	169
	6/12/2019	ND<1	169
	12/11/2019	ND<1	169
	6/23/2020	ND<1	169
	12/16/2020	ND<1	169
	6/16/2021	ND<1	169
	12/15/2021	ND<1	169
	6/9/2022	ND<1	169

Rank Sum = 1859

Rank Mean = 169

GWC-8A	12/8/2016	5.1	353
	6/13/2017	3	345
	12/12/2017	4.9	352
	6/20/2018	3.9	350
	12/19/2018	4.2	351
	6/12/2019	2.6	342
	12/11/2019	3.7	349
	6/23/2020	2.4	340
	12/15/2020	3.2	346
	6/16/2021	2.5	341
	12/15/2021	2.3	339
	6/9/2022	2.1	338

1,1-Dichloroethane

Rank Sum = 4146
Rank Mean = 345.5

Well	Date	Rank	Value
GWC-8R	12/8/2016	15	373
	6/13/2017	14	371
	12/12/2017	14	372
	6/20/2018	22	387
	12/19/2018	13	366
	6/12/2019	12	363
	12/11/2019	9.3	357
	6/23/2020	13	367
	12/15/2020	12	364
	6/16/2021	16	377
	12/15/2021	11	362
	6/9/2022	8.8	354

Rank Sum = 4413
Rank Mean = 367.75

Well	Date	Rank	Value
GWC-9	12/8/2016	ND<1	169
	6/15/2017	ND<1	169
	12/13/2017	ND<1	169
	6/20/2018	ND<1	169
	12/18/2018	ND<1	169
	6/12/2019	ND<1	169
	12/12/2019	ND<1	169
	6/24/2020	ND<1	169
	12/17/2020	ND<1	169
	6/15/2021	ND<1	169
	12/13/2021	ND<1	169
	6/7/2022	ND<1	169

Rank Sum = 2028
Rank Mean = 169

Well	Date	Rank	Value
GWC-14	6/13/2017	ND<1	169
	6/20/2018	ND<1	169
	6/11/2019	ND<1	169
	12/10/2019	ND<1	169
	6/24/2020	ND<1	169
	12/17/2020	ND<1	169
	6/15/2021	ND<1	169
	12/15/2021	ND<1	169
	6/9/2022	ND<1	169

Rank Sum = 1521
Rank Mean = 169

Well	Date	Rank	Value
GWC-17	6/14/2017	ND<1	169
	12/12/2017	ND<1	169
	6/19/2018	ND<1	169
	12/19/2018	ND<1	169
	6/12/2019	ND<1	169
	12/10/2019	ND<1	169
	6/23/2020	ND<1	169
	12/15/2020	ND<1	169
	6/14/2021	ND<1	169
	12/14/2021	ND<1	169
	6/9/2022	ND<1	169

Rank Sum = 1859

1,1-Dichloroethane

Rank Mean = 169

Calculation Results:

Kruskal-Wallis H Statistic = 147.819

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 380.653

95% Confidence comparison value is 46.1942 at 32 degrees of freedom

147.819 > 46.1942 indicating a significant group difference at 5% significance level

380.653 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 169

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	169	0	94.3789
GWC-19R	169	0	94.3789
GWC-22	169	0	94.3789
GWC-23	169	0	94.3789
GWC-23A	169	0	94.3789
GWC-16A	183.833	14.8333	94.3789
GWA-1A	169	0	94.3789
GWC-11	169	0	94.3789
GWC-12	169	0	94.3789
GWC-12A	169	0	94.3789
GWC-13	169	0	94.3789
GWC-24	169	0	94.3789
GWC-4	169	0	114.6669
GWC-4A	169	0	94.3789
GWC-15	362.5	193.5	94.3789
GWA-3	169	0	94.3789
GWC-10	169	0	94.3789
GWC-10A	169	0	94.3789
GWC-14A	368.5	199.5	94.3789
GWC-14R	378.417	209.417	94.3789
GWC-2	169	0	94.3789
GWC-3	169	0	97.1968
GWC-3A	169	0	94.3789
GWC-5	169	0	94.3789
GWC-6	169	0	94.3789
GWC-7	169	0	94.3789
GWC-8	169	0	97.1968
GWC-8A	345.5	176.5	94.3789
GWC-8R	367.75	198.75	94.3789
GWC-9	169	0	94.3789
GWC-14	169	0	104.34
GWC-17	169	0	97.1968

Individual Well Comparisons at Groupwise 5% Significance Level

(0.15625% Significance Level per comparison)

0.15625% Z score is 3.09024

Mean background rank is 169

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	169	0	125.37
GWC-19R	169	0	125.37
GWC-22	169	0	125.37
GWC-23	169	0	125.37

1,1-Dichloroethane

GWC-23A	169	0	125.37
GWC-16A	183.833	14.8333	125.37
GWA-1A	169	0	125.37
GWC-11	169	0	125.37
GWC-12	169	0	125.37
GWC-12A	169	0	125.37
GWC-13	169	0	125.37
GWC-24	169	0	125.37
GWC-4	169	0	152.323
GWC-4A	169	0	125.37
GWC-15	362.5	193.5	125.37
GWA-3	169	0	125.37
GWC-10	169	0	125.37
GWC-10A	169	0	125.37
GWC-14A	368.5	199.5	125.37
GWC-14R	378.417	209.417	125.37
GWC-2	169	0	125.37
GWC-3	169	0	129.113
GWC-3A	169	0	125.37
GWC-5	169	0	125.37
GWC-6	169	0	125.37
GWC-7	169	0	125.37
GWC-8	169	0	129.113
GWC-8A	345.5	176.5	125.37
GWC-8R	367.75	198.75	125.37
GWC-9	169	0	125.37
GWC-14	169	0	138.602
GWC-17	169	0	129.113

Benzene

Kruskal-Wallis Non-Parametric Test

Parameter: Benzene

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
GWA-1	12/7/2016	ND<1	185
	6/13/2017	ND<1	185
	12/11/2017	ND<1	185
	6/19/2018	ND<1	185
	12/17/2018	ND<1	185
	6/10/2019	ND<1	185
	12/9/2019	ND<1	185
	6/23/2020	ND<1	185
	12/17/2020	ND<1	185
	6/15/2021	ND<1	185
	12/13/2021	ND<1	185
	6/8/2022	ND<1	185

Rank Sum = 2220

Rank Mean = 185

GWA-2	12/8/2016	ND<1	185
	6/15/2017	ND<1	185
	12/11/2017	ND<1	185
	6/19/2018	ND<1	185
	12/17/2018	ND<1	185
	6/11/2019	ND<1	185
	12/11/2019	ND<1	185
	6/22/2020	ND<1	185
	12/17/2020	ND<1	185
	6/15/2021	ND<1	185
	12/13/2021	ND<1	185
	6/8/2022	ND<1	185

Rank Sum = 2220

Rank Mean = 185

Background Rank Sum = 4440

Background Rank Mean = 185

Compliance Locations

Loc. ID	Date	Value	Rank
GWC-18	12/6/2016	ND<1	185
	6/14/2017	ND<1	185
	12/13/2017	ND<1	185
	6/19/2018	ND<1	185
	12/18/2018	ND<1	185
	6/11/2019	ND<1	185
	12/9/2019	ND<1	185
	6/23/2020	ND<1	185
	12/15/2020	ND<1	185
	6/14/2021	ND<1	185
	12/14/2021	ND<1	185

Benzene

	6/7/2022	ND<1	185
Rank Sum = 2220			
Rank Mean = 185			
<hr/>			
GWC-19R	12/6/2016	ND<1	185
	6/14/2017	ND<1	185
	12/13/2017	ND<1	185
	6/19/2018	ND<1	185
	12/18/2018	ND<1	185
	6/11/2019	ND<1	185
	12/9/2019	ND<1	185
	6/23/2020	ND<1	185
	12/15/2020	ND<1	185
	6/14/2021	ND<1	185
	12/14/2021	ND<1	185
	6/6/2022	ND<1	185
Rank Sum = 2220			
Rank Mean = 185			
<hr/>			
GWC-22	12/6/2016	ND<1	185
	6/14/2017	ND<1	185
	12/11/2017	ND<1	185
	6/19/2018	ND<1	185
	12/18/2018	ND<1	185
	6/12/2019	ND<1	185
	12/11/2019	ND<1	185
	6/23/2020	ND<1	185
	12/17/2020	ND<1	185
	6/14/2021	ND<1	185
	12/13/2021	ND<1	185
	6/6/2022	ND<1	185
Rank Sum = 2220			
Rank Mean = 185			
<hr/>			
GWC-23	12/6/2016	ND<1	185
	6/14/2017	ND<1	185
	12/11/2017	ND<1	185
	6/18/2018	ND<1	185
	12/18/2018	ND<1	185
	6/12/2019	ND<1	185
	12/11/2019	ND<1	185
	6/24/2020	ND<1	185
	12/16/2020	ND<1	185
	6/14/2021	ND<1	185
	12/13/2021	ND<1	185
	6/6/2022	ND<1	185
Rank Sum = 2220			
Rank Mean = 185			
<hr/>			
GWC-23A	12/6/2016	ND<1	185
	6/14/2017	ND<1	185
	12/11/2017	ND<1	185
	6/18/2018	ND<1	185
	12/18/2018	ND<1	185
	6/12/2019	ND<1	185
	12/11/2019	ND<1	185
	6/24/2020	ND<1	185

Benzene

	12/16/2020	ND<1	185
	6/14/2021	ND<1	185
	12/13/2021	ND<1	185
	6/6/2022	ND<1	185
Rank Sum = 2220			
Rank Mean = 185			
<hr/>			
GWC-16A	12/7/2016	ND<1	185
	6/14/2017	ND<1	185
	12/13/2017	ND<1	185
	6/21/2018	ND<1	185
	12/19/2018	ND<1	185
	6/13/2019	ND<1	185
	12/11/2019	ND<1	185
	6/23/2020	ND<1	185
	12/17/2020	ND<1	185
	6/16/2021	ND<1	185
	12/16/2021	ND<1	185
	6/9/2022	ND<1	185
Rank Sum = 2220			
Rank Mean = 185			
<hr/>			
GWA-1A	12/7/2016	ND<1	185
	6/12/2017	ND<1	185
	12/13/2017	ND<1	185
	6/19/2018	ND<1	185
	12/18/2018	ND<1	185
	6/10/2019	ND<1	185
	12/9/2019	ND<1	185
	6/23/2020	ND<1	185
	12/17/2020	ND<1	185
	6/17/2021	ND<1	185
	12/16/2021	ND<1	185
	6/8/2022	ND<1	185
Rank Sum = 2220			
Rank Mean = 185			
<hr/>			
GWC-11	12/7/2016	ND<1	185
	6/14/2017	ND<1	185
	12/13/2017	ND<1	185
	6/19/2018	ND<1	185
	12/19/2018	ND<1	185
	6/12/2019	ND<1	185
	12/12/2019	ND<1	185
	6/24/2020	ND<1	185
	12/15/2020	ND<1	185
	6/15/2021	ND<1	185
	12/13/2021	ND<1	185
	6/7/2022	ND<1	185
Rank Sum = 2220			
Rank Mean = 185			
<hr/>			
GWC-12	12/7/2016	ND<1	185
	6/14/2017	ND<1	185
	12/13/2017	ND<1	185
	6/19/2018	ND<1	185
	12/19/2018	ND<1	185

Benzene

6/11/2019	ND<1	185
12/9/2019	ND<1	185
6/24/2020	ND<1	185
12/15/2020	ND<1	185
6/15/2021	ND<1	185
12/13/2021	ND<1	185
6/7/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-12A	12/7/2016	ND<1	185
	6/14/2017	ND<1	185
	12/13/2017	ND<1	185
	6/19/2018	ND<1	185
	12/19/2018	ND<1	185
	6/11/2019	ND<1	185
	12/9/2019	ND<1	185
	6/24/2020	ND<1	185
	12/15/2020	ND<1	185
	6/15/2021	ND<1	185
	12/13/2021	ND<1	185
	6/7/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-13	12/7/2016	ND<1	185
	6/14/2017	ND<1	185
	12/12/2017	ND<1	185
	6/19/2018	ND<1	185
	12/19/2018	ND<1	185
	6/12/2019	ND<1	185
	12/11/2019	ND<1	185
	6/23/2020	ND<1	185
	12/15/2020	ND<1	185
	6/15/2021	ND<1	185
	12/15/2021	ND<1	185
	6/8/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-24	12/7/2016	ND<1	185
	6/14/2017	ND<1	185
	12/13/2017	ND<1	185
	6/19/2018	ND<1	185
	12/19/2018	ND<1	185
	6/11/2019	ND<1	185
	12/9/2019	ND<1	185
	6/24/2020	ND<1	185
	12/15/2020	ND<1	185
	6/14/2021	ND<1	185
	12/14/2021	ND<1	185
	6/7/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-4	12/7/2016	ND<1	185
	6/20/2018	ND<1	185

Benzene

6/23/2020	ND<1	185
12/17/2020	ND<1	185
6/16/2021	ND<1	185
12/14/2021	ND<1	185
6/8/2022	ND<1	185

Rank Sum = 1295
Rank Mean = 185

GWC-4A	12/7/2016	ND<1	185
	6/13/2017	ND<1	185
	12/12/2017	ND<1	185
	6/20/2018	ND<1	185
	12/17/2018	ND<1	185
	6/11/2019	ND<1	185
	12/11/2019	ND<1	185
	6/23/2020	ND<1	185
	12/17/2020	ND<1	185
	6/17/2021	ND<1	185
	12/15/2021	ND<1	185
	6/8/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-15	12/8/2016	3.2	390
	6/14/2017	ND<1	185
	12/13/2017	ND<1	185
	6/19/2018	ND<1	185
	12/19/2018	ND<1	185
	6/11/2019	3.1	388
	12/10/2019	ND<1	185
	6/25/2020	3.6	393
	12/17/2020	3.1	389
	6/16/2021	3.9	396
	12/14/2021	3.7	394
	6/9/2022	4.2	397

Rank Sum = 3672
Rank Mean = 306

GWA-3	12/8/2016	ND<1	185
	6/14/2017	ND<1	185
	12/11/2017	ND<1	185
	6/18/2018	ND<1	185
	12/17/2018	ND<1	185
	6/11/2019	ND<1	185
	12/10/2019	ND<1	185
	6/22/2020	ND<1	185
	12/16/2020	ND<1	185
	6/14/2021	ND<1	185
	12/14/2021	ND<1	185
	6/6/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-10	12/8/2016	ND<1	185
	6/15/2017	ND<1	185
	12/12/2017	ND<1	185
	6/19/2018	ND<1	185

Benzene

12/17/2018	ND<1	185
6/10/2019	ND<1	185
12/12/2019	ND<1	185
6/24/2020	ND<1	185
12/15/2020	ND<1	185
6/15/2021	ND<1	185
12/15/2021	ND<1	185
6/7/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-10A	12/8/2016	ND<1	185
	6/15/2017	ND<1	185
	12/12/2017	ND<1	185
	6/19/2018	ND<1	185
	12/17/2018	ND<1	185
	6/10/2019	ND<1	185
	12/12/2019	ND<1	185
	6/24/2020	ND<1	185
	12/15/2020	ND<1	185
	6/15/2021	ND<1	185
	12/15/2021	ND<1	185
	6/7/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-14A	12/8/2016	2.3	373
	6/13/2017	2.8	382
	12/12/2017	3	386
	6/20/2018	2.8	383
	12/19/2018	2.5	376
	6/11/2019	2.1	372
	12/10/2019	2.6	379
	6/24/2020	2.5	377
	12/15/2020	2.9	385
	6/15/2021	2.6	380
	12/14/2021	3	387
	6/9/2022	2.5	378

Rank Sum = 4558
Rank Mean = 379.833

GWC-14R	12/8/2016	ND<1	185
	6/13/2017	ND<1	185
	12/12/2017	ND<1	185
	6/20/2018	ND<1	185
	12/19/2018	ND<1	185
	6/12/2019	ND<1	185
	12/10/2019	ND<1	185
	6/23/2020	ND<1	185
	12/17/2020	ND<1	185
	6/16/2021	ND<1	185
	12/14/2021	ND<1	185
	6/9/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-2	12/8/2016	ND<1	185
-------	-----------	------	-----

Benzene

6/15/2017	ND<1	185
12/13/2017	ND<1	185
6/20/2018	ND<1	185
12/19/2018	ND<1	185
6/12/2019	ND<1	185
12/10/2019	ND<1	185
6/22/2020	ND<1	185
12/16/2020	ND<1	185
6/15/2021	ND<1	185
12/15/2021	ND<1	185
6/7/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-3	12/8/2016	ND<1	185
	6/15/2017	ND<1	185
	6/21/2018	ND<1	185
	12/17/2018	ND<1	185
	6/11/2019	ND<1	185
	12/10/2019	ND<1	185
	6/24/2020	ND<1	185
	12/16/2020	ND<1	185
	6/15/2021	ND<1	185
	12/15/2021	ND<1	185
	6/7/2022	ND<1	185

Rank Sum = 2035
Rank Mean = 185

GWC-3A	12/8/2016	ND<1	185
	6/15/2017	ND<1	185
	12/12/2017	ND<1	185
	6/20/2018	ND<1	185
	12/17/2018	ND<1	185
	6/11/2019	ND<1	185
	12/10/2019	ND<1	185
	6/24/2020	ND<1	185
	12/16/2020	ND<1	185
	6/14/2021	ND<1	185
	12/15/2021	ND<1	185
	6/7/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-5	12/8/2016	ND<1	185
	6/12/2017	ND<1	185
	12/12/2017	ND<1	185
	6/21/2018	ND<1	185
	12/18/2018	ND<1	185
	6/12/2019	ND<1	185
	12/10/2019	ND<1	185
	6/23/2020	ND<1	185
	12/17/2020	ND<1	185
	6/15/2021	ND<1	185
	12/13/2021	ND<1	185
	6/8/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

Benzene

GWC-6	12/8/2016	ND<1	185
	6/12/2017	ND<1	185
	12/13/2017	ND<1	185
	6/21/2018	ND<1	185
	12/19/2018	ND<1	185
	6/12/2019	ND<1	185
	12/10/2019	ND<1	185
	6/24/2020	ND<1	185
	12/17/2020	ND<1	185
	6/15/2021	ND<1	185
	12/13/2021	ND<1	185
	6/8/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-7	12/8/2016	ND<1	185
	6/12/2017	ND<1	185
	12/12/2017	ND<1	185
	6/19/2018	ND<1	185
	12/18/2018	ND<1	185
	6/12/2019	ND<1	185
	12/11/2019	ND<1	185
	6/24/2020	ND<1	185
	12/17/2020	ND<1	185
	6/15/2021	ND<1	185
	12/13/2021	ND<1	185
	6/8/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-8	12/8/2016	ND<1	185
	12/12/2017	ND<1	185
	6/20/2018	ND<1	185
	12/19/2018	ND<1	185
	6/12/2019	ND<1	185
	12/11/2019	ND<1	185
	6/23/2020	ND<1	185
	12/16/2020	ND<1	185
	6/16/2021	ND<1	185
	12/15/2021	ND<1	185
	6/9/2022	ND<1	185

Rank Sum = 2035
Rank Mean = 185

GWC-8A	12/8/2016	3.2	391
	6/13/2017	2.3	374
	12/12/2017	3.8	395
	6/20/2018	2.7	381
	12/19/2018	3.3	392
	6/12/2019	ND<1	185
	12/11/2019	2.8	384
	6/23/2020	ND<1	185
	12/15/2020	2.3	375
	6/16/2021	ND<1	185
	12/15/2021	ND<1	185
	6/9/2022	2	370

Benzene

Rank Sum = 3802
Rank Mean = 316.833

GWC-8R	12/8/2016	ND<1	185
	6/13/2017	ND<1	185
	12/12/2017	ND<1	185
	6/20/2018	ND<1	185
	12/19/2018	ND<1	185
	6/12/2019	ND<1	185
	12/11/2019	ND<1	185
	6/23/2020	ND<1	185
	12/15/2020	ND<1	185
	6/16/2021	2	371
	12/15/2021	ND<1	185
	6/9/2022	ND<1	185

Rank Sum = 2406
Rank Mean = 200.5

GWC-9	12/8/2016	ND<1	185
	6/15/2017	ND<1	185
	12/13/2017	ND<1	185
	6/20/2018	ND<1	185
	12/18/2018	ND<1	185
	6/12/2019	ND<1	185
	12/12/2019	ND<1	185
	6/24/2020	ND<1	185
	12/17/2020	ND<1	185
	6/15/2021	ND<1	185
	12/13/2021	ND<1	185
	6/7/2022	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-14	6/13/2017	ND<1	185
	6/20/2018	ND<1	185
	6/11/2019	ND<1	185
	12/10/2019	ND<1	185
	6/24/2020	ND<1	185
	12/17/2020	ND<1	185
	6/15/2021	ND<1	185
	12/15/2021	ND<1	185
	6/9/2022	ND<1	185

Rank Sum = 1665
Rank Mean = 185

GWC-17	6/14/2017	ND<1	185
	12/12/2017	ND<1	185
	6/19/2018	ND<1	185
	12/19/2018	ND<1	185
	6/12/2019	ND<1	185
	12/10/2019	ND<1	185
	6/23/2020	ND<1	185
	12/15/2020	ND<1	185
	6/14/2021	ND<1	185
	12/14/2021	ND<1	185
	6/9/2022	ND<1	185

Rank Sum = 2035

Rank Mean = 185

Calculation Results:

Kruskal-Wallis H Statistic = 58.0872

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 294.836

95% Confidence comparison value is 46.1942 at 32 degrees of freedom

58.0872 > 46.1942 indicating a significant group difference at 5% significance level**294.836 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties****Individual Well Comparisons at 1% Significance Level per Comparison**

1% Z score is 2.32634

Mean background rank is 185

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	185	0	94.3789
GWC-19R	185	0	94.3789
GWC-22	185	0	94.3789
GWC-23	185	0	94.3789
GWC-23A	185	0	94.3789
GWC-16A	185	0	94.3789
GWA-1A	185	0	94.3789
GWC-11	185	0	94.3789
GWC-12	185	0	94.3789
GWC-12A	185	0	94.3789
GWC-13	185	0	94.3789
GWC-24	185	0	94.3789
GWC-4	185	0	114.669
GWC-4A	185	0	94.3789
GWC-15	306	121	94.3789
GWA-3	185	0	94.3789
GWC-10	185	0	94.3789
GWC-10A	185	0	94.3789
GWC-14A	379.833	194.833	94.3789
GWC-14R	185	0	94.3789
GWC-2	185	0	94.3789
GWC-3	185	0	97.1968
GWC-3A	185	0	94.3789
GWC-5	185	0	94.3789
GWC-6	185	0	94.3789
GWC-7	185	0	94.3789
GWC-8	185	0	97.1968
GWC-8A	316.833	131.833	94.3789
GWC-8R	200.5	15.5	94.3789
GWC-9	185	0	94.3789
GWC-14	185	0	104.34
GWC-17	185	0	97.1968

Individual Well Comparisons at Groupwise 5% Significance Level**(0.15625% Significance Level per comparison)**

0.15625% Z score is 3.09024

Mean background rank is 185

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	185	0	125.37
GWC-19R	185	0	125.37
GWC-22	185	0	125.37
GWC-23	185	0	125.37

GWC-23A	185	0	125.37
GWC-16A	185	0	125.37
GWA-1A	185	0	125.37
GWC-11	185	0	125.37
GWC-12	185	0	125.37
GWC-12A	185	0	125.37
GWC-13	185	0	125.37
GWC-24	185	0	125.37
GWC-4	185	0	152.323
GWC-4A	185	0	125.37
GWC-15	306	121	125.37
GWA-3	185	0	125.37
GWC-10	185	0	125.37
GWC-10A	185	0	125.37
GWC-14A	379.833	194.833	125.37
GWC-14R	185	0	125.37
GWC-2	185	0	125.37
GWC-3	185	0	129.113
GWC-3A	185	0	125.37
GWC-5	185	0	125.37
GWC-6	185	0	125.37
GWC-7	185	0	125.37
GWC-8	185	0	129.113
GWC-8A	316.833	131.833	125.37
GWC-8R	200.5	15.5	125.37
GWC-9	185	0	125.37
GWC-14	185	0	138.602
GWC-17	185	0	129.113

Kruskal-Wallis Non-Parametric Test

Parameter: Chlorobenzene

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks**Background Locations**

Loc. ID	Date	Value	Rank
GWA-1	12/7/2016	ND<5	196.5
	6/13/2017	ND<5	196.5
	12/11/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/17/2018	ND<5	196.5
	6/10/2019	ND<5	196.5
	12/9/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/17/2020	ND<5	196.5
	6/15/2021	ND<5	196.5
	12/13/2021	ND<5	196.5
	6/8/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWA-2	12/8/2016	ND<5	196.5
	6/15/2017	ND<5	196.5
	12/11/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/17/2018	ND<5	196.5
	6/11/2019	ND<5	196.5
	12/11/2019	ND<5	196.5
	6/22/2020	ND<5	196.5
	12/17/2020	ND<5	196.5
	6/15/2021	ND<5	196.5
	12/13/2021	ND<5	196.5
	6/8/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

Background Rank Sum = 4716

Background Rank Mean = 196.5

Compliance Locations

Loc. ID	Date	Value	Rank
GWC-18	12/6/2016	ND<5	196.5
	6/14/2017	ND<5	196.5
	12/13/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/18/2018	ND<5	196.5
	6/11/2019	ND<5	196.5
	12/9/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/15/2020	ND<5	196.5
	6/14/2021	ND<5	196.5
	12/14/2021	ND<5	196.5

6/7/2022 ND<5 196.5
 Rank Sum = 2358
 Rank Mean = 196.5

GWC-19R	12/6/2016	ND<5	196.5
	6/14/2017	ND<5	196.5
	12/13/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/18/2018	ND<5	196.5
	6/11/2019	ND<5	196.5
	12/9/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/15/2020	ND<5	196.5
	6/14/2021	ND<5	196.5
	12/14/2021	ND<5	196.5
	6/6/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-22	12/6/2016	ND<5	196.5
	6/14/2017	ND<5	196.5
	12/11/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/18/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/11/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/17/2020	ND<5	196.5
	6/14/2021	ND<5	196.5
	12/13/2021	ND<5	196.5
	6/6/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-23	12/6/2016	ND<5	196.5
	6/14/2017	ND<5	196.5
	12/11/2017	ND<5	196.5
	6/18/2018	ND<5	196.5
	12/18/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/11/2019	ND<5	196.5
	6/24/2020	ND<5	196.5
	12/16/2020	ND<5	196.5
	6/14/2021	ND<5	196.5
	12/13/2021	ND<5	196.5
	6/6/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-23A	12/6/2016	ND<5	196.5
	6/14/2017	ND<5	196.5
	12/11/2017	ND<5	196.5
	6/18/2018	ND<5	196.5
	12/18/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/11/2019	ND<5	196.5
	6/24/2020	ND<5	196.5

Chlorobenzene

12/16/2020	ND<5	196.5
6/14/2021	ND<5	196.5
12/13/2021	ND<5	196.5
6/6/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-16A	12/7/2016	ND<5	196.5
	6/14/2017	ND<5	196.5
	12/13/2017	ND<5	196.5
	6/21/2018	ND<5	196.5
	12/19/2018	ND<5	196.5
	6/13/2019	ND<5	196.5
	12/11/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/17/2020	ND<5	196.5
	6/16/2021	ND<5	196.5
	12/16/2021	ND<5	196.5
	6/9/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWA-1A	12/7/2016	ND<5	196.5
	6/12/2017	ND<5	196.5
	12/13/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/18/2018	ND<5	196.5
	6/10/2019	ND<5	196.5
	12/9/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/17/2020	ND<5	196.5
	6/17/2021	ND<5	196.5
	12/16/2021	ND<5	196.5
	6/8/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-11	12/7/2016	ND<5	196.5
	6/14/2017	ND<5	196.5
	12/13/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/19/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/12/2019	ND<5	196.5
	6/24/2020	ND<5	196.5
	12/15/2020	ND<5	196.5
	6/15/2021	ND<5	196.5
	12/13/2021	ND<5	196.5
	6/7/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-12	12/7/2016	ND<5	196.5
	6/14/2017	ND<5	196.5
	12/13/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/19/2018	ND<5	196.5

Chlorobenzene

6/11/2019	ND<5	196.5
12/9/2019	ND<5	196.5
6/24/2020	ND<5	196.5
12/15/2020	ND<5	196.5
6/15/2021	ND<5	196.5
12/13/2021	ND<5	196.5
6/7/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-12A	12/7/2016	ND<5	196.5
	6/14/2017	ND<5	196.5
	12/13/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/19/2018	ND<5	196.5
	6/11/2019	ND<5	196.5
	12/9/2019	ND<5	196.5
	6/24/2020	ND<5	196.5
	12/15/2020	ND<5	196.5
	6/15/2021	ND<5	196.5
	12/13/2021	ND<5	196.5
	6/7/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-13	12/7/2016	ND<5	196.5
	6/14/2017	ND<5	196.5
	12/12/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/19/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/11/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/15/2020	ND<5	196.5
	6/15/2021	ND<5	196.5
	12/15/2021	ND<5	196.5
	6/8/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-24	12/7/2016	ND<5	196.5
	6/14/2017	ND<5	196.5
	12/13/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/19/2018	ND<5	196.5
	6/11/2019	ND<5	196.5
	12/9/2019	ND<5	196.5
	6/24/2020	ND<5	196.5
	12/15/2020	ND<5	196.5
	6/14/2021	ND<5	196.5
	12/14/2021	ND<5	196.5
	6/7/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-4	12/7/2016	ND<5	196.5
	6/20/2018	ND<5	196.5

Chlorobenzene

6/23/2020	ND<5	196.5
12/17/2020	ND<5	196.5
6/16/2021	ND<5	196.5
12/14/2021	ND<5	196.5
6/8/2022	ND<5	196.5

Rank Sum = 1375.5
Rank Mean = 196.5

GWC-4A	12/7/2016	ND<5	196.5
	6/13/2017	ND<5	196.5
	12/12/2017	ND<5	196.5
	6/20/2018	ND<5	196.5
	12/17/2018	ND<5	196.5
	6/11/2019	ND<5	196.5
	12/11/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/17/2020	ND<5	196.5
	6/17/2021	ND<5	196.5
	12/15/2021	ND<5	196.5
	6/8/2022	ND<5	196.5

Rank Sum = 2358
Rank Mean = 196.5

GWC-15	12/8/2016	ND<5	196.5
	6/14/2017	ND<5	196.5
	12/13/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/19/2018	ND<5	196.5
	6/11/2019	ND<5	196.5
	12/10/2019	ND<5	196.5
	6/25/2020	ND<5	196.5
	12/17/2020	ND<5	196.5
	6/16/2021	ND<5	196.5
	12/14/2021	ND<5	196.5
	6/9/2022	ND<5	196.5

Rank Sum = 2358
Rank Mean = 196.5

GWA-3	12/8/2016	ND<5	196.5
	6/14/2017	ND<5	196.5
	12/11/2017	ND<5	196.5
	6/18/2018	ND<5	196.5
	12/17/2018	ND<5	196.5
	6/11/2019	ND<5	196.5
	12/10/2019	ND<5	196.5
	6/22/2020	ND<5	196.5
	12/16/2020	ND<5	196.5
	6/14/2021	ND<5	196.5
	12/14/2021	ND<5	196.5
	6/6/2022	ND<5	196.5

Rank Sum = 2358
Rank Mean = 196.5

GWC-10	12/8/2016	ND<5	196.5
	6/15/2017	ND<5	196.5
	12/12/2017	ND<5	196.5
	6/19/2018	ND<5	196.5

Chlorobenzene

12/17/2018	ND<5	196.5
6/10/2019	ND<5	196.5
12/12/2019	ND<5	196.5
6/24/2020	ND<5	196.5
12/15/2020	ND<5	196.5
6/15/2021	ND<5	196.5
12/15/2021	ND<5	196.5
6/7/2022	ND<5	196.5

Rank Sum = 2358
Rank Mean = 196.5

GWC-10A	12/8/2016	ND<5	196.5
	6/15/2017	ND<5	196.5
	12/12/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/17/2018	ND<5	196.5
	6/10/2019	ND<5	196.5
	12/12/2019	ND<5	196.5
	6/24/2020	ND<5	196.5
	12/15/2020	ND<5	196.5
	6/15/2021	ND<5	196.5
	12/15/2021	ND<5	196.5
	6/7/2022	ND<5	196.5

Rank Sum = 2358
Rank Mean = 196.5

GWC-14A	12/8/2016	ND<5	196.5
	6/13/2017	ND<5	196.5
	12/12/2017	ND<5	196.5
	6/20/2018	ND<5	196.5
	12/19/2018	ND<5	196.5
	6/11/2019	ND<5	196.5
	12/10/2019	ND<5	196.5
	6/24/2020	12	393
	12/15/2020	16	396
	6/15/2021	15	394
	12/14/2021	15	395
	6/9/2022	17	397

Rank Sum = 3350.5
Rank Mean = 279.208

GWC-14R	12/8/2016	ND<5	196.5
	6/13/2017	ND<5	196.5
	12/12/2017	ND<5	196.5
	6/20/2018	ND<5	196.5
	12/19/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/10/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/17/2020	ND<5	196.5
	6/16/2021	ND<5	196.5
	12/14/2021	ND<5	196.5
	6/9/2022	ND<5	196.5

Rank Sum = 2358
Rank Mean = 196.5

GWC-2	12/8/2016	ND<5	196.5
-------	-----------	------	-------

Chlorobenzene

6/15/2017	ND<5	196.5
12/13/2017	ND<5	196.5
6/20/2018	ND<5	196.5
12/19/2018	ND<5	196.5
6/12/2019	ND<5	196.5
12/10/2019	ND<5	196.5
6/22/2020	ND<5	196.5
12/16/2020	ND<5	196.5
6/15/2021	ND<5	196.5
12/15/2021	ND<5	196.5
6/7/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-3	12/8/2016	ND<5	196.5
	6/15/2017	ND<5	196.5
	6/21/2018	ND<5	196.5
	12/17/2018	ND<5	196.5
	6/11/2019	ND<5	196.5
	12/10/2019	ND<5	196.5
	6/24/2020	ND<5	196.5
	12/16/2020	ND<5	196.5
	6/15/2021	ND<5	196.5
	12/15/2021	ND<5	196.5
	6/7/2022	ND<5	196.5

Rank Sum = 2161.5

Rank Mean = 196.5

GWC-3A	12/8/2016	ND<5	196.5
	6/15/2017	ND<5	196.5
	12/12/2017	ND<5	196.5
	6/20/2018	ND<5	196.5
	12/17/2018	ND<5	196.5
	6/11/2019	ND<5	196.5
	12/10/2019	ND<5	196.5
	6/24/2020	ND<5	196.5
	12/16/2020	ND<5	196.5
	6/14/2021	ND<5	196.5
	12/15/2021	ND<5	196.5
	6/7/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-5	12/8/2016	ND<5	196.5
	6/12/2017	ND<5	196.5
	12/12/2017	ND<5	196.5
	6/21/2018	ND<5	196.5
	12/18/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/10/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/17/2020	ND<5	196.5
	6/15/2021	ND<5	196.5
	12/13/2021	ND<5	196.5
	6/8/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

Chlorobenzene

GWC-6	12/8/2016	ND<5	196.5
	6/12/2017	ND<5	196.5
	12/13/2017	ND<5	196.5
	6/21/2018	ND<5	196.5
	12/19/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/10/2019	ND<5	196.5
	6/24/2020	ND<5	196.5
	12/17/2020	ND<5	196.5
	6/15/2021	ND<5	196.5
	12/13/2021	ND<5	196.5
	6/8/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-7	12/8/2016	ND<5	196.5
	6/12/2017	ND<5	196.5
	12/12/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/18/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/11/2019	ND<5	196.5
	6/24/2020	ND<5	196.5
	12/17/2020	ND<5	196.5
	6/15/2021	ND<5	196.5
	12/13/2021	ND<5	196.5
	6/8/2022	ND<5	196.5

Rank Sum = 2358

Rank Mean = 196.5

GWC-8	12/8/2016	ND<5	196.5
	12/12/2017	ND<5	196.5
	6/20/2018	ND<5	196.5
	12/19/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/11/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/16/2020	ND<5	196.5
	6/16/2021	ND<5	196.5
	12/15/2021	ND<5	196.5
	6/9/2022	ND<5	196.5

Rank Sum = 2161.5

Rank Mean = 196.5

GWC-8A	12/8/2016	ND<5	196.5
	6/13/2017	ND<5	196.5
	12/12/2017	ND<5	196.5
	6/20/2018	ND<5	196.5
	12/19/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/11/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/15/2020	ND<5	196.5
	6/16/2021	ND<5	196.5
	12/15/2021	ND<5	196.5
	6/9/2022	ND<5	196.5

Chlorobenzene

Rank Sum = 2358
Rank Mean = 196.5

Well	Date	Result	Rank
GWC-8R	12/8/2016	ND<5	196.5
	6/13/2017	ND<5	196.5
	12/12/2017	ND<5	196.5
	6/20/2018	ND<5	196.5
	12/19/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/11/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/15/2020	ND<5	196.5
	6/16/2021	ND<5	196.5
	12/15/2021	ND<5	196.5
	6/9/2022	ND<5	196.5

Rank Sum = 2358
Rank Mean = 196.5

Well	Date	Result	Rank
GWC-9	12/8/2016	ND<5	196.5
	6/15/2017	ND<5	196.5
	12/13/2017	ND<5	196.5
	6/20/2018	ND<5	196.5
	12/18/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/12/2019	ND<5	196.5
	6/24/2020	ND<5	196.5
	12/17/2020	ND<5	196.5
	6/15/2021	ND<5	196.5
	12/13/2021	ND<5	196.5
	6/7/2022	ND<5	196.5

Rank Sum = 2358
Rank Mean = 196.5

Well	Date	Result	Rank
GWC-14	6/13/2017	ND<5	196.5
	6/20/2018	ND<5	196.5
	6/11/2019	ND<5	196.5
	12/10/2019	ND<5	196.5
	6/24/2020	ND<5	196.5
	12/17/2020	ND<5	196.5
	6/15/2021	ND<5	196.5
	12/15/2021	ND<5	196.5
	6/9/2022	ND<5	196.5

Rank Sum = 1768.5
Rank Mean = 196.5

Well	Date	Result	Rank
GWC-17	6/14/2017	ND<5	196.5
	12/12/2017	ND<5	196.5
	6/19/2018	ND<5	196.5
	12/19/2018	ND<5	196.5
	6/12/2019	ND<5	196.5
	12/10/2019	ND<5	196.5
	6/23/2020	ND<5	196.5
	12/15/2020	ND<5	196.5
	6/14/2021	ND<5	196.5
	12/14/2021	ND<5	196.5
	6/9/2022	ND<5	196.5

Rank Sum = 2161.5

Chlorobenzene

Rank Mean = 196.5

Calculation Results:

Kruskal-Wallis H Statistic = 6.04585

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 162.045

95% Confidence comparison value is 46.1942 at 32 degrees of freedom

6.04585 < 46.1942 indicating no significant group difference at 5% significance level

162.045 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 196.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	196.5	0	94.3789
GWC-19R	196.5	0	94.3789
GWC-22	196.5	0	94.3789
GWC-23	196.5	0	94.3789
GWC-23A	196.5	0	94.3789
GWC-16A	196.5	0	94.3789
GWA-1A	196.5	0	94.3789
GWC-11	196.5	0	94.3789
GWC-12	196.5	0	94.3789
GWC-12A	196.5	0	94.3789
GWC-13	196.5	0	94.3789
GWC-24	196.5	0	94.3789
GWC-4	196.5	0	114.6669
GWC-4A	196.5	0	94.3789
GWC-15	196.5	0	94.3789
GWA-3	196.5	0	94.3789
GWC-10	196.5	0	94.3789
GWC-10A	196.5	0	94.3789
GWC-14A	279.208	82.7083	94.3789
GWC-14R	196.5	0	94.3789
GWC-2	196.5	0	94.3789
GWC-3	196.5	0	97.1968
GWC-3A	196.5	0	94.3789
GWC-5	196.5	0	94.3789
GWC-6	196.5	0	94.3789
GWC-7	196.5	0	94.3789
GWC-8	196.5	0	97.1968
GWC-8A	196.5	0	94.3789
GWC-8R	196.5	0	94.3789
GWC-9	196.5	0	94.3789
GWC-14	196.5	0	104.34
GWC-17	196.5	0	97.1968

Individual Well Comparisons at Groupwise 5% Significance Level

(0.15625% Significance Level per comparison)

0.15625% Z score is 3.09024

Mean background rank is 196.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	196.5	0	125.37
GWC-19R	196.5	0	125.37
GWC-22	196.5	0	125.37
GWC-23	196.5	0	125.37

Chlorobenzene

GWC-23A	196.5	0	125.37
GWC-16A	196.5	0	125.37
GWA-1A	196.5	0	125.37
GWC-11	196.5	0	125.37
GWC-12	196.5	0	125.37
GWC-12A	196.5	0	125.37
GWC-13	196.5	0	125.37
GWC-24	196.5	0	125.37
GWC-4	196.5	0	152.323
GWC-4A	196.5	0	125.37
GWC-15	196.5	0	125.37
GWA-3	196.5	0	125.37
GWC-10	196.5	0	125.37
GWC-10A	196.5	0	125.37
GWC-14A	279.208	82.7083	125.37
GWC-14R	196.5	0	125.37
GWC-2	196.5	0	125.37
GWC-3	196.5	0	129.113
GWC-3A	196.5	0	125.37
GWC-5	196.5	0	125.37
GWC-6	196.5	0	125.37
GWC-7	196.5	0	125.37
GWC-8	196.5	0	129.113
GWC-8A	196.5	0	125.37
GWC-8R	196.5	0	125.37
GWC-9	196.5	0	125.37
GWC-14	196.5	0	138.602
GWC-17	196.5	0	129.113

Chloroethane

Kruskal-Wallis Non-Parametric Test

Parameter: Chloroethane

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
GWA-1	12/7/2016	ND<1	191.5
	6/13/2017	ND<1	191.5
	12/11/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/17/2018	ND<1	191.5
	6/10/2019	ND<1	191.5
	12/9/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/17/2020	ND<1	191.5
	6/15/2021	ND<1	191.5
	12/13/2021	ND<1	191.5
	6/8/2022	ND<1	191.5

Rank Sum = 2298

Rank Mean = 191.5

GWA-2	12/8/2016	ND<1	191.5
	6/15/2017	ND<1	191.5
	12/11/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/17/2018	ND<1	191.5
	6/11/2019	ND<1	191.5
	12/11/2019	ND<1	191.5
	6/22/2020	ND<1	191.5
	12/17/2020	ND<1	191.5
	6/15/2021	ND<1	191.5
	12/13/2021	ND<1	191.5
	6/8/2022	ND<1	191.5

Rank Sum = 2298

Rank Mean = 191.5

Background Rank Sum = 4596

Background Rank Mean = 191.5

Compliance Locations

Loc. ID	Date	Value	Rank
GWC-18	12/6/2016	ND<1	191.5
	6/14/2017	ND<1	191.5
	12/13/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/18/2018	ND<1	191.5
	6/11/2019	ND<1	191.5
	12/9/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/15/2020	ND<1	191.5
	6/14/2021	ND<1	191.5
	12/14/2021	ND<1	191.5

Chloroethane

	6/7/2022	ND<1	191.5
Rank Sum = 2298			
Rank Mean = 191.5			
<hr/>			
GWC-19R	12/6/2016	ND<1	191.5
	6/14/2017	ND<1	191.5
	12/13/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/18/2018	ND<1	191.5
	6/11/2019	ND<1	191.5
	12/9/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/15/2020	ND<1	191.5
	6/14/2021	ND<1	191.5
	12/14/2021	ND<1	191.5
	6/6/2022	ND<1	191.5
Rank Sum = 2298			
Rank Mean = 191.5			
<hr/>			
GWC-22	12/6/2016	ND<1	191.5
	6/14/2017	ND<1	191.5
	12/11/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/18/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/11/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/17/2020	ND<1	191.5
	6/14/2021	ND<1	191.5
	12/13/2021	ND<1	191.5
	6/6/2022	ND<1	191.5
Rank Sum = 2298			
Rank Mean = 191.5			
<hr/>			
GWC-23	12/6/2016	ND<1	191.5
	6/14/2017	ND<1	191.5
	12/11/2017	ND<1	191.5
	6/18/2018	ND<1	191.5
	12/18/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/11/2019	ND<1	191.5
	6/24/2020	ND<1	191.5
	12/16/2020	ND<1	191.5
	6/14/2021	ND<1	191.5
	12/13/2021	ND<1	191.5
	6/6/2022	ND<1	191.5
Rank Sum = 2298			
Rank Mean = 191.5			
<hr/>			
GWC-23A	12/6/2016	ND<1	191.5
	6/14/2017	ND<1	191.5
	12/11/2017	ND<1	191.5
	6/18/2018	ND<1	191.5
	12/18/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/11/2019	ND<1	191.5
	6/24/2020	ND<1	191.5

Chloroethane

	12/16/2020	ND<1	191.5
	6/14/2021	ND<1	191.5
	12/13/2021	ND<1	191.5
	6/6/2022	ND<1	191.5
Rank Sum = 2298			
Rank Mean = 191.5			
<hr/>			
GWC-16A	12/7/2016	ND<1	191.5
	6/14/2017	3.3	386
	12/13/2017	ND<1	191.5
	6/21/2018	ND<1	191.5
	12/19/2018	ND<1	191.5
	6/13/2019	ND<1	191.5
	12/11/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/17/2020	ND<1	191.5
	6/16/2021	ND<1	191.5
	12/16/2021	ND<1	191.5
	6/9/2022	ND<1	191.5
Rank Sum = 2492.5			
Rank Mean = 207.708			
<hr/>			
GWA-1A	12/7/2016	ND<1	191.5
	6/12/2017	ND<1	191.5
	12/13/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/18/2018	ND<1	191.5
	6/10/2019	ND<1	191.5
	12/9/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/17/2020	ND<1	191.5
	6/17/2021	ND<1	191.5
	12/16/2021	ND<1	191.5
	6/8/2022	ND<1	191.5
Rank Sum = 2298			
Rank Mean = 191.5			
<hr/>			
GWC-11	12/7/2016	ND<1	191.5
	6/14/2017	ND<1	191.5
	12/13/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/19/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/12/2019	ND<1	191.5
	6/24/2020	ND<1	191.5
	12/15/2020	ND<1	191.5
	6/15/2021	ND<1	191.5
	12/13/2021	ND<1	191.5
	6/7/2022	ND<1	191.5
Rank Sum = 2298			
Rank Mean = 191.5			
<hr/>			
GWC-12	12/7/2016	ND<1	191.5
	6/14/2017	ND<1	191.5
	12/13/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/19/2018	ND<1	191.5

Chloroethane

6/11/2019	ND<1	191.5
12/9/2019	ND<1	191.5
6/24/2020	ND<1	191.5
12/15/2020	ND<1	191.5
6/15/2021	ND<1	191.5
12/13/2021	ND<1	191.5
6/7/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-12A	12/7/2016	ND<1	191.5
	6/14/2017	ND<1	191.5
	12/13/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/19/2018	ND<1	191.5
	6/11/2019	ND<1	191.5
	12/9/2019	ND<1	191.5
	6/24/2020	ND<1	191.5
	12/15/2020	ND<1	191.5
	6/15/2021	ND<1	191.5
	12/13/2021	ND<1	191.5
	6/7/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-13	12/7/2016	ND<1	191.5
	6/14/2017	ND<1	191.5
	12/12/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/19/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/11/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/15/2020	ND<1	191.5
	6/15/2021	ND<1	191.5
	12/15/2021	ND<1	191.5
	6/8/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-24	12/7/2016	ND<1	191.5
	6/14/2017	ND<1	191.5
	12/13/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/19/2018	ND<1	191.5
	6/11/2019	ND<1	191.5
	12/9/2019	ND<1	191.5
	6/24/2020	ND<1	191.5
	12/15/2020	ND<1	191.5
	6/14/2021	ND<1	191.5
	12/14/2021	ND<1	191.5
	6/7/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-4	12/7/2016	ND<1	191.5
	6/20/2018	ND<1	191.5

Chloroethane

6/23/2020	ND<1	191.5
12/17/2020	ND<1	191.5
6/16/2021	ND<1	191.5
12/14/2021	ND<1	191.5
6/8/2022	ND<1	191.5

Rank Sum = 1340.5
Rank Mean = 191.5

GWC-4A	12/7/2016	ND<1	191.5
	6/13/2017	ND<1	191.5
	12/12/2017	ND<1	191.5
	6/20/2018	ND<1	191.5
	12/17/2018	ND<1	191.5
	6/11/2019	ND<1	191.5
	12/11/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/17/2020	ND<1	191.5
	6/17/2021	ND<1	191.5
	12/15/2021	ND<1	191.5
	6/8/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-15	12/8/2016	2.8	384
	6/14/2017	ND<1	191.5
	12/13/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/19/2018	ND<1	191.5
	6/11/2019	ND<1	191.5
	12/10/2019	ND<1	191.5
	6/25/2020	ND<1	191.5
	12/17/2020	ND<1	191.5
	6/16/2021	ND<1	191.5
	12/14/2021	ND<1	191.5
	6/9/2022	ND<1	191.5

Rank Sum = 2490.5
Rank Mean = 207.542

GWA-3	12/8/2016	ND<1	191.5
	6/14/2017	ND<1	191.5
	12/11/2017	ND<1	191.5
	6/18/2018	ND<1	191.5
	12/17/2018	ND<1	191.5
	6/11/2019	ND<1	191.5
	12/10/2019	ND<1	191.5
	6/22/2020	ND<1	191.5
	12/16/2020	ND<1	191.5
	6/14/2021	ND<1	191.5
	12/14/2021	ND<1	191.5
	6/6/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-10	12/8/2016	ND<1	191.5
	6/15/2017	ND<1	191.5
	12/12/2017	ND<1	191.5
	6/19/2018	ND<1	191.5

Chloroethane

12/17/2018	ND<1	191.5
6/10/2019	ND<1	191.5
12/12/2019	ND<1	191.5
6/24/2020	ND<1	191.5
12/15/2020	ND<1	191.5
6/15/2021	ND<1	191.5
12/15/2021	ND<1	191.5
6/7/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-10A	12/8/2016	ND<1	191.5
	6/15/2017	ND<1	191.5
	12/12/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/17/2018	ND<1	191.5
	6/10/2019	ND<1	191.5
	12/12/2019	ND<1	191.5
	6/24/2020	ND<1	191.5
	12/15/2020	ND<1	191.5
	6/15/2021	ND<1	191.5
	12/15/2021	ND<1	191.5
	6/7/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-14A	12/8/2016	6.4	395
	6/13/2017	5.8	394
	12/12/2017	7.7	396
	6/20/2018	8.5	397
	12/19/2018	5.4	393
	6/11/2019	4.4	391
	12/10/2019	3.6	388
	6/24/2020	3.3	387
	12/15/2020	4.2	390
	6/15/2021	3	385
	12/14/2021	5	392
	6/9/2022	3.7	389

Rank Sum = 4697
Rank Mean = 391.417

GWC-14R	12/8/2016	ND<1	191.5
	6/13/2017	ND<1	191.5
	12/12/2017	ND<1	191.5
	6/20/2018	ND<1	191.5
	12/19/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/10/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/17/2020	ND<1	191.5
	6/16/2021	ND<1	191.5
	12/14/2021	ND<1	191.5
	6/9/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-2	12/8/2016	ND<1	191.5
-------	-----------	------	-------

Chloroethane

6/15/2017	ND<1	191.5
12/13/2017	ND<1	191.5
6/20/2018	ND<1	191.5
12/19/2018	ND<1	191.5
6/12/2019	ND<1	191.5
12/10/2019	ND<1	191.5
6/22/2020	ND<1	191.5
12/16/2020	ND<1	191.5
6/15/2021	ND<1	191.5
12/15/2021	ND<1	191.5
6/7/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-3	12/8/2016	ND<1	191.5
	6/15/2017	ND<1	191.5
	6/21/2018	ND<1	191.5
	12/17/2018	ND<1	191.5
	6/11/2019	ND<1	191.5
	12/10/2019	ND<1	191.5
	6/24/2020	ND<1	191.5
	12/16/2020	ND<1	191.5
	6/15/2021	ND<1	191.5
	12/15/2021	ND<1	191.5
	6/7/2022	ND<1	191.5

Rank Sum = 2106.5
Rank Mean = 191.5

GWC-3A	12/8/2016	ND<1	191.5
	6/15/2017	ND<1	191.5
	12/12/2017	ND<1	191.5
	6/20/2018	ND<1	191.5
	12/17/2018	ND<1	191.5
	6/11/2019	ND<1	191.5
	12/10/2019	ND<1	191.5
	6/24/2020	ND<1	191.5
	12/16/2020	ND<1	191.5
	6/14/2021	ND<1	191.5
	12/15/2021	ND<1	191.5
	6/7/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-5	12/8/2016	ND<1	191.5
	6/12/2017	ND<1	191.5
	12/12/2017	ND<1	191.5
	6/21/2018	ND<1	191.5
	12/18/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/10/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/17/2020	ND<1	191.5
	6/15/2021	ND<1	191.5
	12/13/2021	ND<1	191.5
	6/8/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

Chloroethane

GWC-6	12/8/2016	ND<1	191.5
	6/12/2017	ND<1	191.5
	12/13/2017	ND<1	191.5
	6/21/2018	ND<1	191.5
	12/19/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/10/2019	ND<1	191.5
	6/24/2020	ND<1	191.5
	12/17/2020	ND<1	191.5
	6/15/2021	ND<1	191.5
	12/13/2021	ND<1	191.5
	6/8/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-7	12/8/2016	ND<1	191.5
	6/12/2017	ND<1	191.5
	12/12/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/18/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/11/2019	ND<1	191.5
	6/24/2020	ND<1	191.5
	12/17/2020	ND<1	191.5
	6/15/2021	ND<1	191.5
	12/13/2021	ND<1	191.5
	6/8/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-8	12/8/2016	ND<1	191.5
	12/12/2017	ND<1	191.5
	6/20/2018	ND<1	191.5
	12/19/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/11/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/16/2020	ND<1	191.5
	6/16/2021	ND<1	191.5
	12/15/2021	ND<1	191.5
	6/9/2022	ND<1	191.5

Rank Sum = 2106.5
Rank Mean = 191.5

GWC-8A	12/8/2016	ND<1	191.5
	6/13/2017	ND<1	191.5
	12/12/2017	ND<1	191.5
	6/20/2018	ND<1	191.5
	12/19/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/11/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/15/2020	ND<1	191.5
	6/16/2021	ND<1	191.5
	12/15/2021	ND<1	191.5
	6/9/2022	ND<1	191.5

Chloroethane

Rank Sum = 2298
Rank Mean = 191.5

GWC-8R	12/8/2016	2.2	383
	6/13/2017	ND<1	191.5
	12/12/2017	ND<1	191.5
	6/20/2018	ND<1	191.5
	12/19/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/11/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/15/2020	ND<1	191.5
	6/16/2021	ND<1	191.5
	12/15/2021	ND<1	191.5
	6/9/2022	ND<1	191.5

Rank Sum = 2489.5
Rank Mean = 207.458

GWC-9	12/8/2016	ND<1	191.5
	6/15/2017	ND<1	191.5
	12/13/2017	ND<1	191.5
	6/20/2018	ND<1	191.5
	12/18/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/12/2019	ND<1	191.5
	6/24/2020	ND<1	191.5
	12/17/2020	ND<1	191.5
	6/15/2021	ND<1	191.5
	12/13/2021	ND<1	191.5
	6/7/2022	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-14	6/13/2017	ND<1	191.5
	6/20/2018	ND<1	191.5
	6/11/2019	ND<1	191.5
	12/10/2019	ND<1	191.5
	6/24/2020	ND<1	191.5
	12/17/2020	ND<1	191.5
	6/15/2021	ND<1	191.5
	12/15/2021	ND<1	191.5
	6/9/2022	ND<1	191.5

Rank Sum = 1723.5
Rank Mean = 191.5

GWC-17	6/14/2017	ND<1	191.5
	12/12/2017	ND<1	191.5
	6/19/2018	ND<1	191.5
	12/19/2018	ND<1	191.5
	6/12/2019	ND<1	191.5
	12/10/2019	ND<1	191.5
	6/23/2020	ND<1	191.5
	12/15/2020	ND<1	191.5
	6/14/2021	ND<1	191.5
	12/14/2021	ND<1	191.5
	6/9/2022	ND<1	191.5

Rank Sum = 2106.5

Chloroethane

Rank Mean = 191.5

Calculation Results:

Kruskal-Wallis H Statistic = 35.434
 Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 324.72
 95% Confidence comparison value is 46.1942 at 32 degrees of freedom
 35.434 < 46.1942 indicating no significant group difference at 5% significance level
324.72 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634
 Mean background rank is 191.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	191.5	0	94.3789
GWC-19R	191.5	0	94.3789
GWC-22	191.5	0	94.3789
GWC-23	191.5	0	94.3789
GWC-23A	191.5	0	94.3789
GWC-16A	207.708	16.2083	94.3789
GWA-1A	191.5	0	94.3789
GWC-11	191.5	0	94.3789
GWC-12	191.5	0	94.3789
GWC-12A	191.5	0	94.3789
GWC-13	191.5	0	94.3789
GWC-24	191.5	0	94.3789
GWC-4	191.5	0	114.669
GWC-4A	191.5	0	94.3789
GWC-15	207.542	16.0417	94.3789
GWA-3	191.5	0	94.3789
GWC-10	191.5	0	94.3789
GWC-10A	191.5	0	94.3789
GWC-14A	391.417	199.917	94.3789
GWC-14R	191.5	0	94.3789
GWC-2	191.5	0	94.3789
GWC-3	191.5	0	97.1968
GWC-3A	191.5	0	94.3789
GWC-5	191.5	0	94.3789
GWC-6	191.5	0	94.3789
GWC-7	191.5	0	94.3789
GWC-8	191.5	0	97.1968
GWC-8A	191.5	0	94.3789
GWC-8R	207.458	15.9583	94.3789
GWC-9	191.5	0	94.3789
GWC-14	191.5	0	104.34
GWC-17	191.5	0	97.1968

Individual Well Comparisons at Groupwise 5% Significance Level (0.15625% Significance Level per comparison)

0.15625% Z score is 3.09024
 Mean background score rank is 191.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	191.5	0	125.37
GWC-19R	191.5	0	125.37
GWC-22	191.5	0	125.37
GWC-23	191.5	0	125.37

Chloroethane

GWC-23A	191.5	0	125.37
GWC-16A	207.708	16.2083	125.37
GWA-1A	191.5	0	125.37
GWC-11	191.5	0	125.37
GWC-12	191.5	0	125.37
GWC-12A	191.5	0	125.37
GWC-13	191.5	0	125.37
GWC-24	191.5	0	125.37
GWC-4	191.5	0	152.323
GWC-4A	191.5	0	125.37
GWC-15	207.542	16.0417	125.37
GWA-3	191.5	0	125.37
GWC-10	191.5	0	125.37
GWC-10A	191.5	0	125.37
GWC-14A	391.417	199.917	125.37
GWC-14R	191.5	0	125.37
GWC-2	191.5	0	125.37
GWC-3	191.5	0	129.113
GWC-3A	191.5	0	125.37
GWC-5	191.5	0	125.37
GWC-6	191.5	0	125.37
GWC-7	191.5	0	125.37
GWC-8	191.5	0	129.113
GWC-8A	191.5	0	125.37
GWC-8R	207.458	15.9583	125.37
GWC-9	191.5	0	125.37
GWC-14	191.5	0	138.602
GWC-17	191.5	0	129.113

Kruskal-Wallis Non-Parametric Test

Parameter: cis-1,2-Dichloroethene

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks**Background Locations**

Loc. ID	Date	Value	Rank
GWA-1	12/7/2016	ND<1	142.5
	6/13/2017	ND<1	142.5
	12/11/2017	ND<1	142.5
	6/19/2018	ND<1	142.5
	12/17/2018	ND<1	142.5
	6/10/2019	ND<1	142.5
	12/9/2019	ND<1	142.5
	6/23/2020	ND<1	142.5
	12/17/2020	ND<1	142.5
	6/15/2021	ND<1	142.5
	12/13/2021	ND<1	142.5
	6/8/2022	ND<1	142.5

Rank Sum = 1710

Rank Mean = 142.5

GWA-2	12/8/2016	ND<1	142.5
	6/15/2017	ND<1	142.5
	12/11/2017	ND<1	142.5
	6/19/2018	ND<1	142.5
	12/17/2018	ND<1	142.5
	6/11/2019	ND<1	142.5
	12/11/2019	ND<1	142.5
	6/22/2020	ND<1	142.5
	12/17/2020	ND<1	142.5
	6/15/2021	ND<1	142.5
	12/13/2021	ND<1	142.5
	6/8/2022	ND<1	142.5

Rank Sum = 1710

Rank Mean = 142.5

Background Rank Sum = 3420

Background Rank Mean = 142.5

Compliance Locations

Loc. ID	Date	Value	Rank
GWC-18	12/6/2016	16	335
	6/14/2017	16	336
	12/13/2017	14	332
	6/19/2018	7.7	318
	12/18/2018	12	329
	6/11/2019	14	333
	12/9/2019	30	368
	6/23/2020	10	324
	12/15/2020	26	360
	6/14/2021	6.2	314
	12/14/2021	10	325

6/7/2022 13 330

Rank Sum = 4004

Rank Mean = 333.667

GWC-19R	12/6/2016	13	331
	6/14/2017	2.4	292
	12/13/2017	4.7	307
	6/19/2018	5.1	309
	12/18/2018	2.9	296
	6/11/2019	7.7	319
	12/9/2019	11	327
	6/23/2020	7.2	315
	12/15/2020	7.9	320
	6/14/2021	5.3	310
	12/14/2021	7.9	321
	6/6/2022	4	304

Rank Sum = 3751

Rank Mean = 312.583

GWC-22	12/6/2016	ND<1	142.5
	6/14/2017	ND<1	142.5
	12/11/2017	ND<1	142.5
	6/19/2018	ND<1	142.5
	12/18/2018	ND<1	142.5
	6/12/2019	ND<1	142.5
	12/11/2019	ND<1	142.5
	6/23/2020	ND<1	142.5
	12/17/2020	ND<1	142.5
	6/14/2021	ND<1	142.5
	12/13/2021	ND<1	142.5
	6/6/2022	ND<1	142.5

Rank Sum = 1710

Rank Mean = 142.5

GWC-23	12/6/2016	ND<1	142.5
	6/14/2017	ND<1	142.5
	12/11/2017	ND<1	142.5
	6/18/2018	ND<1	142.5
	12/18/2018	ND<1	142.5
	6/12/2019	ND<1	142.5
	12/11/2019	ND<1	142.5
	6/24/2020	ND<1	142.5
	12/16/2020	ND<1	142.5
	6/14/2021	ND<1	142.5
	12/13/2021	ND<1	142.5
	6/6/2022	ND<1	142.5

Rank Sum = 1710

Rank Mean = 142.5

GWC-23A	12/6/2016	ND<1	142.5
	6/14/2017	ND<1	142.5
	12/11/2017	ND<1	142.5
	6/18/2018	ND<1	142.5
	12/18/2018	ND<1	142.5
	6/12/2019	ND<1	142.5
	12/11/2019	ND<1	142.5
	6/24/2020	ND<1	142.5

cis-1,2-Dichloroethene

12/16/2020	ND<1	142.5
6/14/2021	ND<1	142.5
12/13/2021	ND<1	142.5
6/6/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-16A	12/7/2016	3.5	301
	6/14/2017	39	378
	12/13/2017	2.9	297
	6/21/2018	ND<1	142.5
	12/19/2018	2.5	293
	6/13/2019	ND<1	142.5
	12/11/2019	2.1	286
	6/23/2020	2.2	288
	12/17/2020	2.3	291
	6/16/2021	2.1	287
	12/16/2021	ND<1	142.5
	6/9/2022	ND<1	142.5

Rank Sum = 2991
Rank Mean = 249.25

GWA-1A	12/7/2016	ND<1	142.5
	6/12/2017	ND<1	142.5
	12/13/2017	ND<1	142.5
	6/19/2018	ND<1	142.5
	12/18/2018	ND<1	142.5
	6/10/2019	ND<1	142.5
	12/9/2019	ND<1	142.5
	6/23/2020	ND<1	142.5
	12/17/2020	ND<1	142.5
	6/17/2021	ND<1	142.5
	12/16/2021	ND<1	142.5
	6/8/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-11	12/7/2016	ND<1	142.5
	6/14/2017	ND<1	142.5
	12/13/2017	ND<1	142.5
	6/19/2018	ND<1	142.5
	12/19/2018	ND<1	142.5
	6/12/2019	ND<1	142.5
	12/12/2019	ND<1	142.5
	6/24/2020	ND<1	142.5
	12/15/2020	ND<1	142.5
	6/15/2021	ND<1	142.5
	12/13/2021	ND<1	142.5
	6/7/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-12	12/7/2016	ND<1	142.5
	6/14/2017	ND<1	142.5
	12/13/2017	ND<1	142.5
	6/19/2018	ND<1	142.5
	12/19/2018	ND<1	142.5

cis-1,2-Dichloroethene

6/11/2019	ND<1	142.5
12/9/2019	ND<1	142.5
6/24/2020	ND<1	142.5
12/15/2020	ND<1	142.5
6/15/2021	ND<1	142.5
12/13/2021	ND<1	142.5
6/7/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-12A	12/7/2016	ND<1	142.5
	6/14/2017	ND<1	142.5
	12/13/2017	ND<1	142.5
	6/19/2018	ND<1	142.5
	12/19/2018	ND<1	142.5
	6/11/2019	ND<1	142.5
	12/9/2019	ND<1	142.5
	6/24/2020	ND<1	142.5
	12/15/2020	ND<1	142.5
	6/15/2021	ND<1	142.5
	12/13/2021	ND<1	142.5
	6/7/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-13	12/7/2016	ND<1	142.5
	6/14/2017	ND<1	142.5
	12/12/2017	ND<1	142.5
	6/19/2018	ND<1	142.5
	12/19/2018	ND<1	142.5
	6/12/2019	ND<1	142.5
	12/11/2019	ND<1	142.5
	6/23/2020	ND<1	142.5
	12/15/2020	ND<1	142.5
	6/15/2021	ND<1	142.5
	12/15/2021	ND<1	142.5
	6/8/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-24	12/7/2016	5.4	311
	6/14/2017	ND<1	142.5
	12/13/2017	ND<1	142.5
	6/19/2018	2.2	289
	12/19/2018	3.7	303
	6/11/2019	4.4	306
	12/9/2019	6.1	313
	6/24/2020	3	299
	12/15/2020	3.5	302
	6/14/2021	ND<1	142.5
	12/14/2021	ND<1	142.5
	6/7/2022	ND<1	142.5

Rank Sum = 2835.5
Rank Mean = 236.292

GWC-4	12/7/2016	ND<1	142.5
	6/20/2018	ND<1	142.5

cis-1,2-Dichloroethene

6/23/2020	ND<1	142.5
12/17/2020	ND<1	142.5
6/16/2021	ND<1	142.5
12/14/2021	ND<1	142.5
6/8/2022	ND<1	142.5

Rank Sum = 997.5
Rank Mean = 142.5

GWC-4A	12/7/2016	ND<1	142.5
	6/13/2017	ND<1	142.5
	12/12/2017	ND<1	142.5
	6/20/2018	ND<1	142.5
	12/17/2018	ND<1	142.5
	6/11/2019	ND<1	142.5
	12/11/2019	ND<1	142.5
	6/23/2020	ND<1	142.5
	12/17/2020	ND<1	142.5
	6/17/2021	ND<1	142.5
	12/15/2021	ND<1	142.5
	6/8/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-15	12/8/2016	110	392
	6/14/2017	10	326
	12/13/2017	11	328
	6/19/2018	2	285
	12/19/2018	2.9	298
	6/11/2019	97	391
	12/10/2019	51	380
	6/25/2020	110	393
	12/17/2020	110	394
	6/16/2021	130	395
	12/14/2021	140	396
	6/9/2022	150	397

Rank Sum = 4375
Rank Mean = 364.583

GWA-3	12/8/2016	ND<1	142.5
	6/14/2017	ND<1	142.5
	12/11/2017	ND<1	142.5
	6/18/2018	ND<1	142.5
	12/17/2018	ND<1	142.5
	6/11/2019	ND<1	142.5
	12/10/2019	ND<1	142.5
	6/22/2020	ND<1	142.5
	12/16/2020	ND<1	142.5
	6/14/2021	ND<1	142.5
	12/14/2021	ND<1	142.5
	6/6/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-10	12/8/2016	ND<1	142.5
	6/15/2017	ND<1	142.5
	12/12/2017	ND<1	142.5
	6/19/2018	ND<1	142.5

cis-1,2-Dichloroethene

12/17/2018	ND<1	142.5
6/10/2019	ND<1	142.5
12/12/2019	ND<1	142.5
6/24/2020	ND<1	142.5
12/15/2020	ND<1	142.5
6/15/2021	ND<1	142.5
12/15/2021	ND<1	142.5
6/7/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-10A	12/8/2016	ND<1	142.5
	6/15/2017	ND<1	142.5
	12/12/2017	ND<1	142.5
	6/19/2018	ND<1	142.5
	12/17/2018	ND<1	142.5
	6/10/2019	ND<1	142.5
	12/12/2019	ND<1	142.5
	6/24/2020	ND<1	142.5
	12/15/2020	ND<1	142.5
	6/15/2021	ND<1	142.5
	12/15/2021	ND<1	142.5
	6/7/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-14A	12/8/2016	33	375
	6/13/2017	64	386
	12/12/2017	62	384
	6/20/2018	71	389
	12/19/2018	53	381
	6/11/2019	46	379
	12/10/2019	65	387
	6/24/2020	62	385
	12/15/2020	69	388
	6/15/2021	59	383
	12/14/2021	77	390
	6/9/2022	54	382

Rank Sum = 4609
Rank Mean = 384.083

GWC-14R	12/8/2016	19	341
	6/13/2017	26	361
	12/12/2017	20	343
	6/20/2018	24	352
	12/19/2018	17	337
	6/12/2019	21	344
	12/10/2019	19	342
	6/23/2020	26	362
	12/17/2020	28	367
	6/16/2021	26	363
	12/14/2021	24	353
	6/9/2022	21	345

Rank Sum = 4210
Rank Mean = 350.833

GWC-2	12/8/2016	ND<1	142.5
-------	-----------	------	-------

cis-1,2-Dichloroethene

6/15/2017	ND<1	142.5
12/13/2017	ND<1	142.5
6/20/2018	ND<1	142.5
12/19/2018	ND<1	142.5
6/12/2019	ND<1	142.5
12/10/2019	ND<1	142.5
6/22/2020	ND<1	142.5
12/16/2020	ND<1	142.5
6/15/2021	ND<1	142.5
12/15/2021	ND<1	142.5
6/7/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-3	12/8/2016	ND<1	142.5
	6/15/2017	ND<1	142.5
	6/21/2018	ND<1	142.5
	12/17/2018	ND<1	142.5
	6/11/2019	ND<1	142.5
	12/10/2019	ND<1	142.5
	6/24/2020	ND<1	142.5
	12/16/2020	ND<1	142.5
	6/15/2021	ND<1	142.5
	12/15/2021	ND<1	142.5
	6/7/2022	ND<1	142.5

Rank Sum = 1567.5
Rank Mean = 142.5

GWC-3A	12/8/2016	ND<1	142.5
	6/15/2017	ND<1	142.5
	12/12/2017	ND<1	142.5
	6/20/2018	ND<1	142.5
	12/17/2018	ND<1	142.5
	6/11/2019	ND<1	142.5
	12/10/2019	ND<1	142.5
	6/24/2020	ND<1	142.5
	12/16/2020	ND<1	142.5
	6/14/2021	ND<1	142.5
	12/15/2021	ND<1	142.5
	6/7/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-5	12/8/2016	ND<1	142.5
	6/12/2017	ND<1	142.5
	12/12/2017	ND<1	142.5
	6/21/2018	ND<1	142.5
	12/18/2018	ND<1	142.5
	6/12/2019	ND<1	142.5
	12/10/2019	ND<1	142.5
	6/23/2020	ND<1	142.5
	12/17/2020	ND<1	142.5
	6/15/2021	ND<1	142.5
	12/13/2021	ND<1	142.5
	6/8/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

cis-1,2-Dichloroethene

GWC-6	12/8/2016	ND<1	142.5
	6/12/2017	ND<1	142.5
	12/13/2017	ND<1	142.5
	6/21/2018	ND<1	142.5
	12/19/2018	ND<1	142.5
	6/12/2019	ND<1	142.5
	12/10/2019	ND<1	142.5
	6/24/2020	ND<1	142.5
	12/17/2020	ND<1	142.5
	6/15/2021	ND<1	142.5
	12/13/2021	ND<1	142.5
	6/8/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-7	12/8/2016	ND<1	142.5
	6/12/2017	ND<1	142.5
	12/12/2017	ND<1	142.5
	6/19/2018	ND<1	142.5
	12/18/2018	ND<1	142.5
	6/12/2019	ND<1	142.5
	12/11/2019	ND<1	142.5
	6/24/2020	ND<1	142.5
	12/17/2020	ND<1	142.5
	6/15/2021	ND<1	142.5
	12/13/2021	ND<1	142.5
	6/8/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

GWC-8	12/8/2016	3.1	300
	12/12/2017	7.6	316
	6/20/2018	2.6	294
	12/19/2018	4.3	305
	6/12/2019	ND<1	142.5
	12/11/2019	2.8	295
	6/23/2020	ND<1	142.5
	12/16/2020	ND<1	142.5
	6/16/2021	ND<1	142.5
	12/15/2021	ND<1	142.5
	6/9/2022	ND<1	142.5

Rank Sum = 2365
Rank Mean = 215

GWC-8A	12/8/2016	32	372
	6/13/2017	27	364
	12/12/2017	37	377
	6/20/2018	32	373
	12/19/2018	31	370
	6/12/2019	22	348
	12/11/2019	33	376
	6/23/2020	23	350
	12/15/2020	31	371
	6/16/2021	24	354
	12/15/2021	24	355
	6/9/2022	27	365

cis-1,2-Dichloroethene

Rank Sum = 4375
Rank Mean = 364.583

Well	Date	Rank	Value
GWC-8R	12/8/2016	17	338
	6/13/2017	23	351
	12/12/2017	21	346
	6/20/2018	24	356
	12/19/2018	18	340
	6/12/2019	21	347
	12/11/2019	24	357
	6/23/2020	27	366
	12/15/2020	30	369
	6/16/2021	32	374
	12/15/2021	24	358
	6/9/2022	24	359

Rank Sum = 4261
Rank Mean = 355.083

Well	Date	Rank	Value
GWC-9	12/8/2016	ND<1	142.5
	6/15/2017	ND<1	142.5
	12/13/2017	ND<1	142.5
	6/20/2018	ND<1	142.5
	12/18/2018	ND<1	142.5
	6/12/2019	ND<1	142.5
	12/12/2019	ND<1	142.5
	6/24/2020	ND<1	142.5
	12/17/2020	ND<1	142.5
	6/15/2021	ND<1	142.5
	12/13/2021	ND<1	142.5
	6/7/2022	ND<1	142.5

Rank Sum = 1710
Rank Mean = 142.5

Well	Date	Rank	Value
GWC-14	6/13/2017	ND<1	142.5
	6/20/2018	ND<1	142.5
	6/11/2019	ND<1	142.5
	12/10/2019	ND<1	142.5
	6/24/2020	ND<1	142.5
	12/17/2020	ND<1	142.5
	6/15/2021	ND<1	142.5
	12/15/2021	ND<1	142.5
	6/9/2022	ND<1	142.5

Rank Sum = 1282.5
Rank Mean = 142.5

Well	Date	Rank	Value
GWC-17	6/14/2017	8.4	322
	12/12/2017	17	339
	6/19/2018	4.7	308
	12/19/2018	8.7	323
	6/12/2019	ND<1	142.5
	12/10/2019	15	334
	6/23/2020	ND<1	142.5
	12/15/2020	22	349
	6/14/2021	2.2	290
	12/14/2021	7.6	317
	6/9/2022	5.4	312

Rank Sum = 3179

cis-1,2-Dichloroethene

Rank Mean = 289

Calculation Results:

Kruskal-Wallis H Statistic = 227.973
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 359.626
95% Confidence comparison value is 46.1942 at 32 degrees of freedom
227.973 > 46.1942 indicating a significant group difference at 5% significance level
359.626 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 142.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	333.667	191.167	94.3789
GWC-19R	312.583	170.083	94.3789
GWC-22	142.5	0	94.3789
GWC-23	142.5	0	94.3789
GWC-23A	142.5	0	94.3789
GWC-16A	249.25	106.75	94.3789
GWA-1A	142.5	0	94.3789
GWC-11	142.5	0	94.3789
GWC-12	142.5	0	94.3789
GWC-12A	142.5	0	94.3789
GWC-13	142.5	0	94.3789
GWC-24	236.292	93.7917	94.3789
GWC-4	142.5	0	114.6669
GWC-4A	142.5	0	94.3789
GWC-15	364.583	222.083	94.3789
GWA-3	142.5	0	94.3789
GWC-10	142.5	0	94.3789
GWC-10A	142.5	0	94.3789
GWC-14A	384.083	241.583	94.3789
GWC-14R	350.833	208.333	94.3789
GWC-2	142.5	0	94.3789
GWC-3	142.5	0	97.1968
GWC-3A	142.5	0	94.3789
GWC-5	142.5	0	94.3789
GWC-6	142.5	0	94.3789
GWC-7	142.5	0	94.3789
GWC-8	215	72.5	97.1968
GWC-8A	364.583	222.083	94.3789
GWC-8R	355.083	212.583	94.3789
GWC-9	142.5	0	94.3789
GWC-14	142.5	0	104.34
GWC-17	289	146.5	97.1968

Individual Well Comparisons at Groupwise 5% Significance Level (0.15625% Significance Level per comparison)

0.15625% Z score is 3.09024

Mean background rank is 142.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	333.667	191.167	125.37
GWC-19R	312.583	170.083	125.37
GWC-22	142.5	0	125.37
GWC-23	142.5	0	125.37

cis-1,2-Dichloroethene

GWC-23A	142.5	0	125.37
GWC-16A	249.25	106.75	125.37
GWA-1A	142.5	0	125.37
GWC-11	142.5	0	125.37
GWC-12	142.5	0	125.37
GWC-12A	142.5	0	125.37
GWC-13	142.5	0	125.37
GWC-24	236.292	93.7917	125.37
GWC-4	142.5	0	152.323
GWC-4A	142.5	0	125.37
GWC-15	364.583	222.083	125.37
GWA-3	142.5	0	125.37
GWC-10	142.5	0	125.37
GWC-10A	142.5	0	125.37
GWC-14A	384.083	241.583	125.37
GWC-14R	350.833	208.333	125.37
GWC-2	142.5	0	125.37
GWC-3	142.5	0	129.113
GWC-3A	142.5	0	125.37
GWC-5	142.5	0	125.37
GWC-6	142.5	0	125.37
GWC-7	142.5	0	125.37
GWC-8	215	72.5	129.113
GWC-8A	364.583	222.083	125.37
GWC-8R	355.083	212.583	125.37
GWC-9	142.5	0	125.37
GWC-14	142.5	0	138.602
GWC-17	289	146.5	129.113

Tetrachloroethene

Kruskal-Wallis Non-Parametric Test

Parameter: Tetrachloroethene

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
GWA-1	12/7/2016	ND<1	183.5
	6/13/2017	ND<1	183.5
	12/11/2017	ND<1	183.5
	6/19/2018	ND<1	183.5
	12/17/2018	ND<1	183.5
	6/10/2019	ND<1	183.5
	12/9/2019	ND<1	183.5
	6/23/2020	ND<1	183.5
	12/17/2020	ND<1	183.5
	6/15/2021	ND<1	183.5
	12/13/2021	ND<1	183.5
	6/8/2022	ND<1	183.5

Rank Sum = 2202

Rank Mean = 183.5

GWA-2	12/8/2016	ND<1	183.5
	6/15/2017	ND<1	183.5
	12/11/2017	ND<1	183.5
	6/19/2018	ND<1	183.5
	12/17/2018	ND<1	183.5
	6/11/2019	ND<1	183.5
	12/11/2019	ND<1	183.5
	6/22/2020	ND<1	183.5
	12/17/2020	ND<1	183.5
	6/15/2021	ND<1	183.5
	12/13/2021	ND<1	183.5
	6/8/2022	ND<1	183.5

Rank Sum = 2202

Rank Mean = 183.5

Background Rank Sum = 4404

Background Rank Mean = 183.5

Compliance Locations

Loc. ID	Date	Value	Rank
GWC-18	12/6/2016	6.6	385
	6/14/2017	4.1	377
	12/13/2017	6.5	384
	6/19/2018	4.6	378
	12/18/2018	7	386
	6/11/2019	3.9	376
	12/9/2019	7.4	388
	6/23/2020	5.7	381
	12/15/2020	6.4	383
	6/14/2021	3.1	373
	12/14/2021	3.4	375

Tetrachloroethene

6/7/2022 5.2 380

Rank Sum = 4566

Rank Mean = 380.5

GWC-19R	12/6/2016	ND<1	183.5
	6/14/2017	ND<1	183.5
	12/13/2017	ND<1	183.5
	6/19/2018	ND<1	183.5
	12/18/2018	2	367
	6/11/2019	ND<1	183.5
	12/9/2019	ND<1	183.5
	6/23/2020	ND<1	183.5
	12/15/2020	ND<1	183.5
	6/14/2021	ND<1	183.5
	12/14/2021	ND<1	183.5
	6/6/2022	ND<1	183.5

Rank Sum = 2385.5

Rank Mean = 198.792

GWC-22	12/6/2016	ND<1	183.5
	6/14/2017	ND<1	183.5
	12/11/2017	ND<1	183.5
	6/19/2018	ND<1	183.5
	12/18/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/11/2019	ND<1	183.5
	6/23/2020	ND<1	183.5
	12/17/2020	ND<1	183.5
	6/14/2021	ND<1	183.5
	12/13/2021	ND<1	183.5
	6/6/2022	ND<1	183.5

Rank Sum = 2202

Rank Mean = 183.5

GWC-23	12/6/2016	ND<1	183.5
	6/14/2017	ND<1	183.5
	12/11/2017	ND<1	183.5
	6/18/2018	ND<1	183.5
	12/18/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/11/2019	ND<1	183.5
	6/24/2020	ND<1	183.5
	12/16/2020	ND<1	183.5
	6/14/2021	ND<1	183.5
	12/13/2021	ND<1	183.5
	6/6/2022	ND<1	183.5

Rank Sum = 2202

Rank Mean = 183.5

GWC-23A	12/6/2016	ND<1	183.5
	6/14/2017	ND<1	183.5
	12/11/2017	ND<1	183.5
	6/18/2018	ND<1	183.5
	12/18/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/11/2019	ND<1	183.5
	6/24/2020	ND<1	183.5

Tetrachloroethene

12/16/2020 ND<1 183.5

6/14/2021 ND<1 183.5

12/13/2021 ND<1 183.5

6/6/2022 ND<1 183.5

Rank Sum = 2202

Rank Mean = 183.5

GWC-16A	12/7/2016	ND<1	183.5
	6/14/2017	6.3	382
	12/13/2017	ND<1	183.5
	6/21/2018	ND<1	183.5
	12/19/2018	ND<1	183.5
	6/13/2019	ND<1	183.5
	12/11/2019	ND<1	183.5
	6/23/2020	ND<1	183.5
	12/17/2020	ND<1	183.5
	6/16/2021	ND<1	183.5
	12/16/2021	ND<1	183.5
	6/9/2022	ND<1	183.5

Rank Sum = 2400.5

Rank Mean = 200.042

GWA-1A	12/7/2016	ND<1	183.5
	6/12/2017	ND<1	183.5
	12/13/2017	ND<1	183.5
	6/19/2018	ND<1	183.5
	12/18/2018	ND<1	183.5
	6/10/2019	ND<1	183.5
	12/9/2019	ND<1	183.5
	6/23/2020	ND<1	183.5
	12/17/2020	ND<1	183.5
	6/17/2021	ND<1	183.5
	12/16/2021	ND<1	183.5
	6/8/2022	ND<1	183.5

Rank Sum = 2202

Rank Mean = 183.5

GWC-11	12/7/2016	ND<1	183.5
	6/14/2017	ND<1	183.5
	12/13/2017	ND<1	183.5
	6/19/2018	ND<1	183.5
	12/19/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/12/2019	ND<1	183.5
	6/24/2020	ND<1	183.5
	12/15/2020	ND<1	183.5
	6/15/2021	ND<1	183.5
	12/13/2021	ND<1	183.5
	6/7/2022	ND<1	183.5

Rank Sum = 2202

Rank Mean = 183.5

GWC-12	12/7/2016	ND<1	183.5
	6/14/2017	ND<1	183.5
	12/13/2017	ND<1	183.5
	6/19/2018	ND<1	183.5
	12/19/2018	ND<1	183.5

Tetrachloroethene

6/11/2019	ND<1	183.5
12/9/2019	ND<1	183.5
6/24/2020	ND<1	183.5
12/15/2020	ND<1	183.5
6/15/2021	ND<1	183.5
12/13/2021	ND<1	183.5
6/7/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-12A	12/7/2016	ND<1	183.5
	6/14/2017	ND<1	183.5
	12/13/2017	ND<1	183.5
	6/19/2018	ND<1	183.5
	12/19/2018	ND<1	183.5
	6/11/2019	ND<1	183.5
	12/9/2019	ND<1	183.5
	6/24/2020	ND<1	183.5
	12/15/2020	ND<1	183.5
	6/15/2021	ND<1	183.5
	12/13/2021	ND<1	183.5
	6/7/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-13	12/7/2016	ND<1	183.5
	6/14/2017	ND<1	183.5
	12/12/2017	ND<1	183.5
	6/19/2018	ND<1	183.5
	12/19/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/11/2019	ND<1	183.5
	6/23/2020	ND<1	183.5
	12/15/2020	ND<1	183.5
	6/15/2021	ND<1	183.5
	12/15/2021	ND<1	183.5
	6/8/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-24	12/7/2016	ND<1	183.5
	6/14/2017	ND<1	183.5
	12/13/2017	ND<1	183.5
	6/19/2018	ND<1	183.5
	12/19/2018	ND<1	183.5
	6/11/2019	ND<1	183.5
	12/9/2019	ND<1	183.5
	6/24/2020	ND<1	183.5
	12/15/2020	ND<1	183.5
	6/14/2021	ND<1	183.5
	12/14/2021	ND<1	183.5
	6/7/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-4	12/7/2016	ND<1	183.5
	6/20/2018	ND<1	183.5

Tetrachloroethene

6/23/2020	ND<1	183.5
12/17/2020	ND<1	183.5
6/16/2021	ND<1	183.5
12/14/2021	ND<1	183.5
6/8/2022	ND<1	183.5

Rank Sum = 1284.5
Rank Mean = 183.5

GWC-4A	12/7/2016	ND<1	183.5
	6/13/2017	ND<1	183.5
	12/12/2017	ND<1	183.5
	6/20/2018	ND<1	183.5
	12/17/2018	ND<1	183.5
	6/11/2019	ND<1	183.5
	12/11/2019	ND<1	183.5
	6/23/2020	ND<1	183.5
	12/17/2020	ND<1	183.5
	6/17/2021	ND<1	183.5
	12/15/2021	ND<1	183.5
	6/8/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-15	12/8/2016	16	391
	6/14/2017	7.3	387
	12/13/2017	2.7	372
	6/19/2018	5	379
	12/19/2018	9.7	389
	6/11/2019	50	397
	12/10/2019	31	394
	6/25/2020	48	396
	12/17/2020	19	392
	6/16/2021	29	393
	12/14/2021	12	390
	6/9/2022	42	395

Rank Sum = 4675
Rank Mean = 389.583

GWA-3	12/8/2016	ND<1	183.5
	6/14/2017	ND<1	183.5
	12/11/2017	ND<1	183.5
	6/18/2018	ND<1	183.5
	12/17/2018	ND<1	183.5
	6/11/2019	ND<1	183.5
	12/10/2019	ND<1	183.5
	6/22/2020	ND<1	183.5
	12/16/2020	ND<1	183.5
	6/14/2021	ND<1	183.5
	12/14/2021	ND<1	183.5
	6/6/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-10	12/8/2016	ND<1	183.5
	6/15/2017	ND<1	183.5
	12/12/2017	ND<1	183.5
	6/19/2018	ND<1	183.5

Tetrachloroethene

12/17/2018	ND<1	183.5
6/10/2019	ND<1	183.5
12/12/2019	ND<1	183.5
6/24/2020	ND<1	183.5
12/15/2020	ND<1	183.5
6/15/2021	ND<1	183.5
12/15/2021	ND<1	183.5
6/7/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-10A	12/8/2016	ND<1	183.5
	6/15/2017	ND<1	183.5
	12/12/2017	ND<1	183.5
	6/19/2018	ND<1	183.5
	12/17/2018	ND<1	183.5
	6/10/2019	ND<1	183.5
	12/12/2019	ND<1	183.5
	6/24/2020	ND<1	183.5
	12/15/2020	ND<1	183.5
	6/15/2021	ND<1	183.5
	12/15/2021	ND<1	183.5
	6/7/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-14A	12/8/2016	ND<1	183.5
	6/13/2017	ND<1	183.5
	12/12/2017	ND<1	183.5
	6/20/2018	ND<1	183.5
	12/19/2018	ND<1	183.5
	6/11/2019	ND<1	183.5
	12/10/2019	ND<1	183.5
	6/24/2020	ND<1	183.5
	12/15/2020	ND<1	183.5
	6/15/2021	ND<1	183.5
	12/14/2021	ND<1	183.5
	6/9/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-14R	12/8/2016	2.5	371
	6/13/2017	3.2	374
	12/12/2017	2	368
	6/20/2018	2	369
	12/19/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/10/2019	ND<1	183.5
	6/23/2020	ND<1	183.5
	12/17/2020	ND<1	183.5
	6/16/2021	ND<1	183.5
	12/14/2021	ND<1	183.5
	6/9/2022	ND<1	183.5

Rank Sum = 2950
Rank Mean = 245.833

GWC-2	12/8/2016	ND<1	183.5
-------	-----------	------	-------

Tetrachloroethene

6/15/2017	ND<1	183.5
12/13/2017	ND<1	183.5
6/20/2018	ND<1	183.5
12/19/2018	ND<1	183.5
6/12/2019	ND<1	183.5
12/10/2019	ND<1	183.5
6/22/2020	ND<1	183.5
12/16/2020	ND<1	183.5
6/15/2021	ND<1	183.5
12/15/2021	ND<1	183.5
6/7/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-3	12/8/2016	ND<1	183.5
	6/15/2017	ND<1	183.5
	6/21/2018	ND<1	183.5
	12/17/2018	ND<1	183.5
	6/11/2019	ND<1	183.5
	12/10/2019	ND<1	183.5
	6/24/2020	ND<1	183.5
	12/16/2020	ND<1	183.5
	6/15/2021	ND<1	183.5
	12/15/2021	ND<1	183.5
	6/7/2022	ND<1	183.5

Rank Sum = 2018.5
Rank Mean = 183.5

GWC-3A	12/8/2016	ND<1	183.5
	6/15/2017	ND<1	183.5
	12/12/2017	ND<1	183.5
	6/20/2018	ND<1	183.5
	12/17/2018	ND<1	183.5
	6/11/2019	ND<1	183.5
	12/10/2019	ND<1	183.5
	6/24/2020	ND<1	183.5
	12/16/2020	ND<1	183.5
	6/14/2021	ND<1	183.5
	12/15/2021	ND<1	183.5
	6/7/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-5	12/8/2016	ND<1	183.5
	6/12/2017	ND<1	183.5
	12/12/2017	ND<1	183.5
	6/21/2018	ND<1	183.5
	12/18/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/10/2019	ND<1	183.5
	6/23/2020	ND<1	183.5
	12/17/2020	ND<1	183.5
	6/15/2021	ND<1	183.5
	12/13/2021	ND<1	183.5
	6/8/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

Tetrachloroethene

GWC-6	12/8/2016	ND<1	183.5
	6/12/2017	ND<1	183.5
	12/13/2017	ND<1	183.5
	6/21/2018	ND<1	183.5
	12/19/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/10/2019	ND<1	183.5
	6/24/2020	ND<1	183.5
	12/17/2020	ND<1	183.5
	6/15/2021	ND<1	183.5
	12/13/2021	ND<1	183.5
	6/8/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-7	12/8/2016	ND<1	183.5
	6/12/2017	ND<1	183.5
	12/12/2017	ND<1	183.5
	6/19/2018	ND<1	183.5
	12/18/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/11/2019	ND<1	183.5
	6/24/2020	ND<1	183.5
	12/17/2020	ND<1	183.5
	6/15/2021	ND<1	183.5
	12/13/2021	ND<1	183.5
	6/8/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-8	12/8/2016	ND<1	183.5
	12/12/2017	ND<1	183.5
	6/20/2018	ND<1	183.5
	12/19/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/11/2019	ND<1	183.5
	6/23/2020	ND<1	183.5
	12/16/2020	ND<1	183.5
	6/16/2021	ND<1	183.5
	12/15/2021	ND<1	183.5
	6/9/2022	ND<1	183.5

Rank Sum = 2018.5
Rank Mean = 183.5

GWC-8A	12/8/2016	ND<1	183.5
	6/13/2017	ND<1	183.5
	12/12/2017	ND<1	183.5
	6/20/2018	ND<1	183.5
	12/19/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/11/2019	ND<1	183.5
	6/23/2020	ND<1	183.5
	12/15/2020	ND<1	183.5
	6/16/2021	ND<1	183.5
	12/15/2021	ND<1	183.5
	6/9/2022	ND<1	183.5

Tetrachloroethene

Rank Sum = 2202
Rank Mean = 183.5

GWC-8R	12/8/2016	ND<1	183.5
	6/13/2017	ND<1	183.5
	12/12/2017	ND<1	183.5
	6/20/2018	2	370
	12/19/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/11/2019	ND<1	183.5
	6/23/2020	ND<1	183.5
	12/15/2020	ND<1	183.5
	6/16/2021	ND<1	183.5
	12/15/2021	ND<1	183.5
	6/9/2022	ND<1	183.5

Rank Sum = 2388.5
Rank Mean = 199.042

GWC-9	12/8/2016	ND<1	183.5
	6/15/2017	ND<1	183.5
	12/13/2017	ND<1	183.5
	6/20/2018	ND<1	183.5
	12/18/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/12/2019	ND<1	183.5
	6/24/2020	ND<1	183.5
	12/17/2020	ND<1	183.5
	6/15/2021	ND<1	183.5
	12/13/2021	ND<1	183.5
	6/7/2022	ND<1	183.5

Rank Sum = 2202
Rank Mean = 183.5

GWC-14	6/13/2017	ND<1	183.5
	6/20/2018	ND<1	183.5
	6/11/2019	ND<1	183.5
	12/10/2019	ND<1	183.5
	6/24/2020	ND<1	183.5
	12/17/2020	ND<1	183.5
	6/15/2021	ND<1	183.5
	12/15/2021	ND<1	183.5
	6/9/2022	ND<1	183.5

Rank Sum = 1651.5
Rank Mean = 183.5

GWC-17	6/14/2017	ND<1	183.5
	12/12/2017	ND<1	183.5
	6/19/2018	ND<1	183.5
	12/19/2018	ND<1	183.5
	6/12/2019	ND<1	183.5
	12/10/2019	ND<1	183.5
	6/23/2020	ND<1	183.5
	12/15/2020	ND<1	183.5
	6/14/2021	ND<1	183.5
	12/14/2021	ND<1	183.5
	6/9/2022	ND<1	183.5

Rank Sum = 2018.5

Tetrachloroethene

Rank Mean = 183.5

Calculation Results:

Kruskal-Wallis H Statistic = 71.0545

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 328.284

95% Confidence comparison value is 46.1942 at 32 degrees of freedom

71.0545 > 46.1942 indicating a significant group difference at 5% significance level

328.284 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 183.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	380.5	197	94.3789
GWC-19R	198.792	15.2917	94.3789
GWC-22	183.5	0	94.3789
GWC-23	183.5	0	94.3789
GWC-23A	183.5	0	94.3789
GWC-16A	200.042	16.5417	94.3789
GWA-1A	183.5	0	94.3789
GWC-11	183.5	0	94.3789
GWC-12	183.5	0	94.3789
GWC-12A	183.5	0	94.3789
GWC-13	183.5	0	94.3789
GWC-24	183.5	0	94.3789
GWC-4	183.5	0	114.669
GWC-4A	183.5	0	94.3789
GWC-15	389.583	206.083	94.3789
GWA-3	183.5	0	94.3789
GWC-10	183.5	0	94.3789
GWC-10A	183.5	0	94.3789
GWC-14A	183.5	0	94.3789
GWC-14R	245.833	62.3333	94.3789
GWC-2	183.5	0	94.3789
GWC-3	183.5	0	97.1968
GWC-3A	183.5	0	94.3789
GWC-5	183.5	0	94.3789
GWC-6	183.5	0	94.3789
GWC-7	183.5	0	94.3789
GWC-8	183.5	0	97.1968
GWC-8A	183.5	0	94.3789
GWC-8R	199.042	15.5417	94.3789
GWC-9	183.5	0	94.3789
GWC-14	183.5	0	104.34
GWC-17	183.5	0	97.1968

Individual Well Comparisons at Groupwise 5% Significance Level

(0.15625% Significance Level per comparison)

0.15625% Z score is 3.09024

Mean background score rank is 183.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	380.5	197	125.37
GWC-19R	198.792	15.2917	125.37
GWC-22	183.5	0	125.37
GWC-23	183.5	0	125.37

Tetrachloroethene

GWC-23A	183.5	0	125.37
GWC-16A	200.042	16.5417	125.37
GWA-1A	183.5	0	125.37
GWC-11	183.5	0	125.37
GWC-12	183.5	0	125.37
GWC-12A	183.5	0	125.37
GWC-13	183.5	0	125.37
GWC-24	183.5	0	125.37
GWC-4	183.5	0	152.323
GWC-4A	183.5	0	125.37
GWC-15	389.583	206.083	125.37
GWA-3	183.5	0	125.37
GWC-10	183.5	0	125.37
GWC-10A	183.5	0	125.37
GWC-14A	183.5	0	125.37
GWC-14R	245.833	62.3333	125.37
GWC-2	183.5	0	125.37
GWC-3	183.5	0	129.113
GWC-3A	183.5	0	125.37
GWC-5	183.5	0	125.37
GWC-6	183.5	0	125.37
GWC-7	183.5	0	125.37
GWC-8	183.5	0	129.113
GWC-8A	183.5	0	125.37
GWC-8R	199.042	15.5417	125.37
GWC-9	183.5	0	125.37
GWC-14	183.5	0	138.602
GWC-17	183.5	0	129.113

Trichloroethene

Kruskal-Wallis Non-Parametric Test

Parameter: Trichloroethene
 Original Data (Not Transformed)
 Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
GWA-1	12/7/2016	ND<1	180.5
	6/13/2017	ND<1	180.5
	12/11/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/17/2018	ND<1	180.5
	6/10/2019	ND<1	180.5
	12/9/2019	ND<1	180.5
	6/23/2020	ND<1	180.5
	12/17/2020	ND<1	180.5
	6/15/2021	ND<1	180.5
	12/13/2021	ND<1	180.5
	6/8/2022	ND<1	180.5

Rank Sum = 2166
 Rank Mean = 180.5

GWA-2	12/8/2016	ND<1	180.5
	6/15/2017	ND<1	180.5
	12/11/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/17/2018	ND<1	180.5
	6/11/2019	ND<1	180.5
	12/11/2019	ND<1	180.5
	6/22/2020	ND<1	180.5
	12/17/2020	ND<1	180.5
	6/15/2021	ND<1	180.5
	12/13/2021	ND<1	180.5
	6/8/2022	ND<1	180.5

Rank Sum = 2166
 Rank Mean = 180.5

Background Rank Sum = 4332
 Background Rank Mean = 180.5

Compliance Locations

Loc. ID	Date	Value	Rank
GWC-18	12/6/2016	2.3	366
	6/14/2017	ND<1	180.5
	12/13/2017	2.3	367
	6/19/2018	ND<1	180.5
	12/18/2018	2.1	361
	6/11/2019	ND<1	180.5
	12/9/2019	2.6	369
	6/23/2020	ND<1	180.5
	12/15/2020	2.4	368
	6/14/2021	ND<1	180.5
	12/14/2021	ND<1	180.5

Trichloroethene

6/7/2022 ND<1 180.5
 Rank Sum = 3094.5
 Rank Mean = 257.875

GWC-19R	12/6/2016	ND<1	180.5
	6/14/2017	ND<1	180.5
	12/13/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/18/2018	ND<1	180.5
	6/11/2019	ND<1	180.5
	12/9/2019	ND<1	180.5
	6/23/2020	ND<1	180.5
	12/15/2020	ND<1	180.5
	6/14/2021	ND<1	180.5
	12/14/2021	ND<1	180.5
	6/6/2022	ND<1	180.5

Rank Sum = 2166
 Rank Mean = 180.5

GWC-22	12/6/2016	ND<1	180.5
	6/14/2017	ND<1	180.5
	12/11/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/18/2018	ND<1	180.5
	6/12/2019	ND<1	180.5
	12/11/2019	ND<1	180.5
	6/23/2020	ND<1	180.5
	12/17/2020	ND<1	180.5
	6/14/2021	ND<1	180.5
	12/13/2021	ND<1	180.5
	6/6/2022	ND<1	180.5

Rank Sum = 2166
 Rank Mean = 180.5

GWC-23	12/6/2016	ND<1	180.5
	6/14/2017	ND<1	180.5
	12/11/2017	ND<1	180.5
	6/18/2018	ND<1	180.5
	12/18/2018	ND<1	180.5
	6/12/2019	ND<1	180.5
	12/11/2019	ND<1	180.5
	6/24/2020	ND<1	180.5
	12/16/2020	ND<1	180.5
	6/14/2021	ND<1	180.5
	12/13/2021	ND<1	180.5
	6/6/2022	ND<1	180.5

Rank Sum = 2166
 Rank Mean = 180.5

GWC-23A	12/6/2016	ND<1	180.5
	6/14/2017	ND<1	180.5
	12/11/2017	ND<1	180.5
	6/18/2018	ND<1	180.5
	12/18/2018	ND<1	180.5
	6/12/2019	ND<1	180.5
	12/11/2019	ND<1	180.5
	6/24/2020	ND<1	180.5

Trichloroethene

12/16/2020	ND<1	180.5
6/14/2021	ND<1	180.5
12/13/2021	ND<1	180.5
6/6/2022	ND<1	180.5

Rank Sum = 2166

Rank Mean = 180.5

GWC-16A	12/7/2016	ND<1	180.5
	6/14/2017	3.9	377
	12/13/2017	ND<1	180.5
	6/21/2018	ND<1	180.5
	12/19/2018	ND<1	180.5
	6/13/2019	ND<1	180.5
	12/11/2019	ND<1	180.5
	6/23/2020	ND<1	180.5
	12/17/2020	ND<1	180.5
	6/16/2021	ND<1	180.5
	12/16/2021	ND<1	180.5
	6/9/2022	ND<1	180.5

Rank Sum = 2362.5

Rank Mean = 196.875

GWA-1A	12/7/2016	ND<1	180.5
	6/12/2017	ND<1	180.5
	12/13/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/18/2018	ND<1	180.5
	6/10/2019	ND<1	180.5
	12/9/2019	ND<1	180.5
	6/23/2020	ND<1	180.5
	12/17/2020	ND<1	180.5
	6/17/2021	ND<1	180.5
	12/16/2021	ND<1	180.5
	6/8/2022	ND<1	180.5

Rank Sum = 2166

Rank Mean = 180.5

GWC-11	12/7/2016	ND<1	180.5
	6/14/2017	ND<1	180.5
	12/13/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/19/2018	ND<1	180.5
	6/12/2019	ND<1	180.5
	12/12/2019	ND<1	180.5
	6/24/2020	ND<1	180.5
	12/15/2020	ND<1	180.5
	6/15/2021	ND<1	180.5
	12/13/2021	ND<1	180.5
	6/7/2022	ND<1	180.5

Rank Sum = 2166

Rank Mean = 180.5

GWC-12	12/7/2016	ND<1	180.5
	6/14/2017	ND<1	180.5
	12/13/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/19/2018	ND<1	180.5

Trichloroethene

6/11/2019	ND<1	180.5
12/9/2019	ND<1	180.5
6/24/2020	ND<1	180.5
12/15/2020	ND<1	180.5
6/15/2021	ND<1	180.5
12/13/2021	ND<1	180.5
6/7/2022	ND<1	180.5

Rank Sum = 2166

Rank Mean = 180.5

GWC-12A	12/7/2016	ND<1	180.5
	6/14/2017	ND<1	180.5
	12/13/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/19/2018	ND<1	180.5
	6/11/2019	ND<1	180.5
	12/9/2019	ND<1	180.5
	6/24/2020	ND<1	180.5
	12/15/2020	ND<1	180.5
	6/15/2021	ND<1	180.5
	12/13/2021	ND<1	180.5
	6/7/2022	ND<1	180.5

Rank Sum = 2166

Rank Mean = 180.5

GWC-13	12/7/2016	ND<1	180.5
	6/14/2017	ND<1	180.5
	12/12/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/19/2018	ND<1	180.5
	6/12/2019	ND<1	180.5
	12/11/2019	ND<1	180.5
	6/23/2020	ND<1	180.5
	12/15/2020	ND<1	180.5
	6/15/2021	ND<1	180.5
	12/15/2021	ND<1	180.5
	6/8/2022	ND<1	180.5

Rank Sum = 2166

Rank Mean = 180.5

GWC-24	12/7/2016	ND<1	180.5
	6/14/2017	ND<1	180.5
	12/13/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/19/2018	ND<1	180.5
	6/11/2019	ND<1	180.5
	12/9/2019	ND<1	180.5
	6/24/2020	ND<1	180.5
	12/15/2020	ND<1	180.5
	6/14/2021	ND<1	180.5
	12/14/2021	ND<1	180.5
	6/7/2022	ND<1	180.5

Rank Sum = 2166

Rank Mean = 180.5

GWC-4	12/7/2016	ND<1	180.5
	6/20/2018	ND<1	180.5

Trichloroethene

6/23/2020	ND<1	180.5
12/17/2020	ND<1	180.5
6/16/2021	ND<1	180.5
12/14/2021	ND<1	180.5
6/8/2022	ND<1	180.5

Rank Sum = 1263.5
Rank Mean = 180.5

GWC-4A	12/7/2016	ND<1	180.5
	6/13/2017	ND<1	180.5
	12/12/2017	ND<1	180.5
	6/20/2018	ND<1	180.5
	12/17/2018	ND<1	180.5
	6/11/2019	ND<1	180.5
	12/11/2019	ND<1	180.5
	6/23/2020	ND<1	180.5
	12/17/2020	ND<1	180.5
	6/17/2021	ND<1	180.5
	12/15/2021	ND<1	180.5
	6/8/2022	ND<1	180.5

Rank Sum = 2166
Rank Mean = 180.5

GWC-15	12/8/2016	73	396
	6/14/2017	2.1	362
	12/13/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/19/2018	3.7	375
	6/11/2019	70	394
	12/10/2019	55	392
	6/25/2020	90	397
	12/17/2020	45	390
	6/16/2021	71	395
	12/14/2021	48	391
	6/9/2022	65	393

Rank Sum = 4246
Rank Mean = 353.833

GWA-3	12/8/2016	ND<1	180.5
	6/14/2017	ND<1	180.5
	12/11/2017	ND<1	180.5
	6/18/2018	ND<1	180.5
	12/17/2018	ND<1	180.5
	6/11/2019	ND<1	180.5
	12/10/2019	ND<1	180.5
	6/22/2020	ND<1	180.5
	12/16/2020	ND<1	180.5
	6/14/2021	ND<1	180.5
	12/14/2021	ND<1	180.5
	6/6/2022	ND<1	180.5

Rank Sum = 2166
Rank Mean = 180.5

GWC-10	12/8/2016	ND<1	180.5
	6/15/2017	ND<1	180.5
	12/12/2017	ND<1	180.5
	6/19/2018	ND<1	180.5

Trichloroethene

12/17/2018	ND<1	180.5
6/10/2019	ND<1	180.5
12/12/2019	ND<1	180.5
6/24/2020	ND<1	180.5
12/15/2020	ND<1	180.5
6/15/2021	ND<1	180.5
12/15/2021	ND<1	180.5
6/7/2022	ND<1	180.5

Rank Sum = 2166
Rank Mean = 180.5

GWC-10A	12/8/2016	ND<1	180.5
	6/15/2017	ND<1	180.5
	12/12/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/17/2018	ND<1	180.5
	6/10/2019	ND<1	180.5
	12/12/2019	ND<1	180.5
	6/24/2020	ND<1	180.5
	12/15/2020	ND<1	180.5
	6/15/2021	ND<1	180.5
	12/15/2021	ND<1	180.5
	6/7/2022	ND<1	180.5

Rank Sum = 2166
Rank Mean = 180.5

GWC-14A	12/8/2016	6.8	388
	6/13/2017	3.5	374
	12/12/2017	3.8	376
	6/20/2018	2.1	363
	12/19/2018	2.2	365
	6/11/2019	ND<1	180.5
	12/10/2019	3.1	373
	6/24/2020	ND<1	180.5
	12/15/2020	ND<1	180.5
	6/15/2021	ND<1	180.5
	12/14/2021	ND<1	180.5
	6/9/2022	ND<1	180.5

Rank Sum = 3322
Rank Mean = 276.833

GWC-14R	12/8/2016	5.4	387
	6/13/2017	6.8	389
	12/12/2017	4.8	383
	6/20/2018	5.2	385
	12/19/2018	4.9	384
	6/12/2019	4.7	382
	12/10/2019	4.3	380
	6/23/2020	4.3	381
	12/17/2020	3.9	378
	6/16/2021	3.9	379
	12/14/2021	2.8	370
	6/9/2022	2.8	371

Rank Sum = 4569
Rank Mean = 380.75

GWC-2	12/8/2016	ND<1	180.5
-------	-----------	------	-------

Trichloroethene

6/15/2017	ND<1	180.5
12/13/2017	ND<1	180.5
6/20/2018	ND<1	180.5
12/19/2018	ND<1	180.5
6/12/2019	ND<1	180.5
12/10/2019	ND<1	180.5
6/22/2020	ND<1	180.5
12/16/2020	ND<1	180.5
6/15/2021	ND<1	180.5
12/15/2021	ND<1	180.5
6/7/2022	ND<1	180.5

Rank Sum = 2166

Rank Mean = 180.5

GWC-3	12/8/2016	ND<1	180.5
	6/15/2017	ND<1	180.5
	6/21/2018	ND<1	180.5
	12/17/2018	ND<1	180.5
	6/11/2019	ND<1	180.5
	12/10/2019	ND<1	180.5
	6/24/2020	ND<1	180.5
	12/16/2020	ND<1	180.5
	6/15/2021	ND<1	180.5
	12/15/2021	ND<1	180.5
	6/7/2022	ND<1	180.5

Rank Sum = 1985.5

Rank Mean = 180.5

GWC-3A	12/8/2016	ND<1	180.5
	6/15/2017	ND<1	180.5
	12/12/2017	ND<1	180.5
	6/20/2018	ND<1	180.5
	12/17/2018	ND<1	180.5
	6/11/2019	ND<1	180.5
	12/10/2019	ND<1	180.5
	6/24/2020	ND<1	180.5
	12/16/2020	ND<1	180.5
	6/14/2021	ND<1	180.5
	12/15/2021	ND<1	180.5
	6/7/2022	ND<1	180.5

Rank Sum = 2166

Rank Mean = 180.5

GWC-5	12/8/2016	ND<1	180.5
	6/12/2017	ND<1	180.5
	12/12/2017	ND<1	180.5
	6/21/2018	ND<1	180.5
	12/18/2018	ND<1	180.5
	6/12/2019	ND<1	180.5
	12/10/2019	ND<1	180.5
	6/23/2020	ND<1	180.5
	12/17/2020	ND<1	180.5
	6/15/2021	ND<1	180.5
	12/13/2021	ND<1	180.5
	6/8/2022	ND<1	180.5

Rank Sum = 2166

Rank Mean = 180.5

Trichloroethene

GWC-6	12/8/2016	ND<1	180.5
	6/12/2017	ND<1	180.5
	12/13/2017	ND<1	180.5
	6/21/2018	ND<1	180.5
	12/19/2018	ND<1	180.5
	6/12/2019	ND<1	180.5
	12/10/2019	ND<1	180.5
	6/24/2020	ND<1	180.5
	12/17/2020	ND<1	180.5
	6/15/2021	ND<1	180.5
	12/13/2021	ND<1	180.5
	6/8/2022	ND<1	180.5

Rank Sum = 2166

Rank Mean = 180.5

GWC-7	12/8/2016	ND<1	180.5
	6/12/2017	ND<1	180.5
	12/12/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/18/2018	ND<1	180.5
	6/12/2019	ND<1	180.5
	12/11/2019	ND<1	180.5
	6/24/2020	ND<1	180.5
	12/17/2020	ND<1	180.5
	6/15/2021	ND<1	180.5
	12/13/2021	ND<1	180.5
	6/8/2022	ND<1	180.5

Rank Sum = 2166

Rank Mean = 180.5

GWC-8	12/8/2016	ND<1	180.5
	12/12/2017	ND<1	180.5
	6/20/2018	ND<1	180.5
	12/19/2018	ND<1	180.5
	6/12/2019	ND<1	180.5
	12/11/2019	ND<1	180.5
	6/23/2020	ND<1	180.5
	12/16/2020	ND<1	180.5
	6/16/2021	ND<1	180.5
	12/15/2021	ND<1	180.5
	6/9/2022	ND<1	180.5

Rank Sum = 1985.5

Rank Mean = 180.5

GWC-8A	12/8/2016	ND<1	180.5
	6/13/2017	ND<1	180.5
	12/12/2017	ND<1	180.5
	6/20/2018	ND<1	180.5
	12/19/2018	ND<1	180.5
	6/12/2019	ND<1	180.5
	12/11/2019	ND<1	180.5
	6/23/2020	ND<1	180.5
	12/15/2020	ND<1	180.5
	6/16/2021	ND<1	180.5
	12/15/2021	ND<1	180.5
	6/9/2022	ND<1	180.5

Trichloroethene

Rank Sum = 2166
Rank Mean = 180.5

Well	Date	Result	Rank
GWC-8R	12/8/2016	ND<1	180.5
	6/13/2017	2.9	372
	12/12/2017	ND<1	180.5
	6/20/2018	5.3	386
	12/19/2018	ND<1	180.5
	6/12/2019	ND<1	180.5
	12/11/2019	ND<1	180.5
	6/23/2020	ND<1	180.5
	12/15/2020	ND<1	180.5
	6/16/2021	2.1	364
	12/15/2021	ND<1	180.5
	6/9/2022	ND<1	180.5

Rank Sum = 2746.5
Rank Mean = 228.875

Well	Date	Result	Rank
GWC-9	12/8/2016	ND<1	180.5
	6/15/2017	ND<1	180.5
	12/13/2017	ND<1	180.5
	6/20/2018	ND<1	180.5
	12/18/2018	ND<1	180.5
	6/12/2019	ND<1	180.5
	12/12/2019	ND<1	180.5
	6/24/2020	ND<1	180.5
	12/17/2020	ND<1	180.5
	6/15/2021	ND<1	180.5
	12/13/2021	ND<1	180.5
	6/7/2022	ND<1	180.5

Rank Sum = 2166
Rank Mean = 180.5

Well	Date	Result	Rank
GWC-14	6/13/2017	ND<1	180.5
	6/20/2018	ND<1	180.5
	6/11/2019	ND<1	180.5
	12/10/2019	ND<1	180.5
	6/24/2020	ND<1	180.5
	12/17/2020	ND<1	180.5
	6/15/2021	ND<1	180.5
	12/15/2021	ND<1	180.5
	6/9/2022	ND<1	180.5

Rank Sum = 1624.5
Rank Mean = 180.5

Well	Date	Result	Rank
GWC-17	6/14/2017	ND<1	180.5
	12/12/2017	ND<1	180.5
	6/19/2018	ND<1	180.5
	12/19/2018	ND<1	180.5
	6/12/2019	ND<1	180.5
	12/10/2019	ND<1	180.5
	6/23/2020	ND<1	180.5
	12/15/2020	ND<1	180.5
	6/14/2021	ND<1	180.5
	12/14/2021	ND<1	180.5
	6/9/2022	ND<1	180.5

Rank Sum = 1985.5

Trichloroethene

Rank Mean = 180.5

Calculation Results:

Kruskal-Wallis H Statistic = 69.8984

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 274.813

95% Confidence comparison value is 46.1942 at 32 degrees of freedom

69.8984 > 46.1942 indicating a significant group difference at 5% significance level

274.813 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 180.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	257.875	77.375	94.3789
GWC-19R	180.5	0	94.3789
GWC-22	180.5	0	94.3789
GWC-23	180.5	0	94.3789
GWC-23A	180.5	0	94.3789
GWC-16A	196.875	16.375	94.3789
GWA-1A	180.5	0	94.3789
GWC-11	180.5	0	94.3789
GWC-12	180.5	0	94.3789
GWC-12A	180.5	0	94.3789
GWC-13	180.5	0	94.3789
GWC-24	180.5	0	94.3789
GWC-4	180.5	0	114.6669
GWC-4A	180.5	0	94.3789
GWC-15	353.833	173.333	94.3789
GWA-3	180.5	0	94.3789
GWC-10	180.5	0	94.3789
GWC-10A	180.5	0	94.3789
GWC-14A	276.833	96.3333	94.3789
GWC-14R	380.75	200.25	94.3789
GWC-2	180.5	0	94.3789
GWC-3	180.5	0	97.1968
GWC-3A	180.5	0	94.3789
GWC-5	180.5	0	94.3789
GWC-6	180.5	0	94.3789
GWC-7	180.5	0	94.3789
GWC-8	180.5	0	97.1968
GWC-8A	180.5	0	94.3789
GWC-8R	228.875	48.375	94.3789
GWC-9	180.5	0	94.3789
GWC-14	180.5	0	104.34
GWC-17	180.5	0	97.1968

Individual Well Comparisons at Groupwise 5% Significance Level

(0.15625% Significance Level per comparison)

0.15625% Z score is 3.09024

Mean background rank is 180.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	257.875	77.375	125.37
GWC-19R	180.5	0	125.37
GWC-22	180.5	0	125.37
GWC-23	180.5	0	125.37

Trichloroethene

GWC-23A	180.5	0	125.37
GWC-16A	196.875	16.375	125.37
GWA-1A	180.5	0	125.37
GWC-11	180.5	0	125.37
GWC-12	180.5	0	125.37
GWC-12A	180.5	0	125.37
GWC-13	180.5	0	125.37
GWC-24	180.5	0	125.37
GWC-4	180.5	0	152.323
GWC-4A	180.5	0	125.37
GWC-15	353.833	173.333	125.37
GWA-3	180.5	0	125.37
GWC-10	180.5	0	125.37
GWC-10A	180.5	0	125.37
GWC-14A	276.833	96.3333	125.37
GWC-14R	380.75	200.25	125.37
GWC-2	180.5	0	125.37
GWC-3	180.5	0	129.113
GWC-3A	180.5	0	125.37
GWC-5	180.5	0	125.37
GWC-6	180.5	0	125.37
GWC-7	180.5	0	125.37
GWC-8	180.5	0	129.113
GWC-8A	180.5	0	125.37
GWC-8R	228.875	48.375	125.37
GWC-9	180.5	0	125.37
GWC-14	180.5	0	138.602
GWC-17	180.5	0	129.113

Vinyl chloride

Kruskal-Wallis Non-Parametric Test

Parameter: Vinyl chloride

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
GWA-1	12/7/2016	ND<1	192
	6/13/2017	ND<1	192
	12/11/2017	ND<1	192
	6/19/2018	ND<1	192
	12/17/2018	ND<1	192
	6/10/2019	ND<1	192
	12/9/2019	ND<1	192
	6/23/2020	ND<1	192
	12/17/2020	ND<1	192
	6/15/2021	ND<1	192
	12/13/2021	ND<1	192
	6/8/2022	ND<1	192

Rank Sum = 2304

Rank Mean = 192

GWA-2	12/8/2016	ND<1	192
	6/15/2017	ND<1	192
	12/11/2017	ND<1	192
	6/19/2018	ND<1	192
	12/17/2018	ND<1	192
	6/11/2019	ND<1	192
	12/11/2019	ND<1	192
	6/22/2020	ND<1	192
	12/17/2020	ND<1	192
	6/15/2021	ND<1	192
	12/13/2021	ND<1	192
	6/8/2022	ND<1	192

Rank Sum = 2304

Rank Mean = 192

Background Rank Sum = 4608

Background Rank Mean = 192

Compliance Locations

Loc. ID	Date	Value	Rank
GWC-18	12/6/2016	ND<1	192
	6/14/2017	ND<1	192
	12/13/2017	ND<1	192
	6/19/2018	ND<1	192
	12/18/2018	ND<1	192
	6/11/2019	ND<1	192
	12/9/2019	ND<1	192
	6/23/2020	ND<1	192
	12/15/2020	ND<1	192
	6/14/2021	ND<1	192
	12/14/2021	ND<1	192

Vinyl chloride

	6/7/2022	ND<1	192
Rank Sum = 2304			
Rank Mean = 192			
<hr/>			
GWC-19R	12/6/2016	ND<1	192
	6/14/2017	ND<1	192
	12/13/2017	ND<1	192
	6/19/2018	ND<1	192
	12/18/2018	ND<1	192
	6/11/2019	ND<1	192
	12/9/2019	ND<1	192
	6/23/2020	ND<1	192
	12/15/2020	ND<1	192
	6/14/2021	ND<1	192
	12/14/2021	ND<1	192
	6/6/2022	ND<1	192
Rank Sum = 2304			
Rank Mean = 192			
<hr/>			
GWC-22	12/6/2016	ND<1	192
	6/14/2017	ND<1	192
	12/11/2017	ND<1	192
	6/19/2018	ND<1	192
	12/18/2018	ND<1	192
	6/12/2019	ND<1	192
	12/11/2019	ND<1	192
	6/23/2020	ND<1	192
	12/17/2020	ND<1	192
	6/14/2021	ND<1	192
	12/13/2021	ND<1	192
	6/6/2022	ND<1	192
Rank Sum = 2304			
Rank Mean = 192			
<hr/>			
GWC-23	12/6/2016	ND<1	192
	6/14/2017	ND<1	192
	12/11/2017	ND<1	192
	6/18/2018	ND<1	192
	12/18/2018	ND<1	192
	6/12/2019	ND<1	192
	12/11/2019	ND<1	192
	6/24/2020	ND<1	192
	12/16/2020	ND<1	192
	6/14/2021	ND<1	192
	12/13/2021	ND<1	192
	6/6/2022	ND<1	192
Rank Sum = 2304			
Rank Mean = 192			
<hr/>			
GWC-23A	12/6/2016	ND<1	192
	6/14/2017	ND<1	192
	12/11/2017	ND<1	192
	6/18/2018	ND<1	192
	12/18/2018	ND<1	192
	6/12/2019	ND<1	192
	12/11/2019	ND<1	192
	6/24/2020	ND<1	192

Vinyl chloride

	12/16/2020	ND<1	192
	6/14/2021	ND<1	192
	12/13/2021	ND<1	192
	6/6/2022	ND<1	192
Rank Sum = 2304			
Rank Mean = 192			
<hr/>			
GWC-16A	12/7/2016	ND<1	192
	6/14/2017	4.8	388
	12/13/2017	ND<1	192
	6/21/2018	ND<1	192
	12/19/2018	ND<1	192
	6/13/2019	ND<1	192
	12/11/2019	ND<1	192
	6/23/2020	ND<1	192
	12/17/2020	ND<1	192
	6/16/2021	ND<1	192
	12/16/2021	ND<1	192
	6/9/2022	ND<1	192
Rank Sum = 2500			
Rank Mean = 208.333			
<hr/>			
GWA-1A	12/7/2016	ND<1	192
	6/12/2017	ND<1	192
	12/13/2017	ND<1	192
	6/19/2018	ND<1	192
	12/18/2018	ND<1	192
	6/10/2019	ND<1	192
	12/9/2019	ND<1	192
	6/23/2020	ND<1	192
	12/17/2020	ND<1	192
	6/17/2021	ND<1	192
	12/16/2021	ND<1	192
	6/8/2022	ND<1	192
Rank Sum = 2304			
Rank Mean = 192			
<hr/>			
GWC-11	12/7/2016	ND<1	192
	6/14/2017	ND<1	192
	12/13/2017	ND<1	192
	6/19/2018	ND<1	192
	12/19/2018	ND<1	192
	6/12/2019	ND<1	192
	12/12/2019	ND<1	192
	6/24/2020	ND<1	192
	12/15/2020	ND<1	192
	6/15/2021	ND<1	192
	12/13/2021	ND<1	192
	6/7/2022	ND<1	192
Rank Sum = 2304			
Rank Mean = 192			
<hr/>			
GWC-12	12/7/2016	ND<1	192
	6/14/2017	ND<1	192
	12/13/2017	ND<1	192
	6/19/2018	ND<1	192
	12/19/2018	ND<1	192

Vinyl chloride

6/11/2019	ND<1	192
12/9/2019	ND<1	192
6/24/2020	ND<1	192
12/15/2020	ND<1	192
6/15/2021	ND<1	192
12/13/2021	ND<1	192
6/7/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-12A	12/7/2016	ND<1	192
	6/14/2017	ND<1	192
	12/13/2017	ND<1	192
	6/19/2018	ND<1	192
	12/19/2018	ND<1	192
	6/11/2019	ND<1	192
	12/9/2019	ND<1	192
	6/24/2020	ND<1	192
	12/15/2020	ND<1	192
	6/15/2021	ND<1	192
	12/13/2021	ND<1	192
	6/7/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-13	12/7/2016	ND<1	192
	6/14/2017	ND<1	192
	12/12/2017	ND<1	192
	6/19/2018	ND<1	192
	12/19/2018	ND<1	192
	6/12/2019	ND<1	192
	12/11/2019	ND<1	192
	6/23/2020	ND<1	192
	12/15/2020	ND<1	192
	6/15/2021	ND<1	192
	12/15/2021	ND<1	192
	6/8/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-24	12/7/2016	ND<1	192
	6/14/2017	ND<1	192
	12/13/2017	ND<1	192
	6/19/2018	ND<1	192
	12/19/2018	ND<1	192
	6/11/2019	ND<1	192
	12/9/2019	ND<1	192
	6/24/2020	ND<1	192
	12/15/2020	ND<1	192
	6/14/2021	ND<1	192
	12/14/2021	ND<1	192
	6/7/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-4	12/7/2016	ND<1	192
	6/20/2018	ND<1	192

Vinyl chloride

6/23/2020	ND<1	192
12/17/2020	ND<1	192
6/16/2021	ND<1	192
12/14/2021	ND<1	192
6/8/2022	ND<1	192

Rank Sum = 1344
Rank Mean = 192

GWC-4A	12/7/2016	ND<1	192
	6/13/2017	ND<1	192
	12/12/2017	ND<1	192
	6/20/2018	ND<1	192
	12/17/2018	ND<1	192
	6/11/2019	ND<1	192
	12/11/2019	ND<1	192
	6/23/2020	ND<1	192
	12/17/2020	ND<1	192
	6/17/2021	ND<1	192
	12/15/2021	ND<1	192
	6/8/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-15	12/8/2016	2.3	384
	6/14/2017	ND<1	192
	12/13/2017	ND<1	192
	6/19/2018	ND<1	192
	12/19/2018	ND<1	192
	6/11/2019	ND<1	192
	12/10/2019	ND<1	192
	6/25/2020	ND<1	192
	12/17/2020	ND<1	192
	6/16/2021	ND<1	192
	12/14/2021	ND<1	192
	6/9/2022	ND<1	192

Rank Sum = 2496
Rank Mean = 208

GWA-3	12/8/2016	ND<1	192
	6/14/2017	ND<1	192
	12/11/2017	ND<1	192
	6/18/2018	ND<1	192
	12/17/2018	ND<1	192
	6/11/2019	ND<1	192
	12/10/2019	ND<1	192
	6/22/2020	ND<1	192
	12/16/2020	ND<1	192
	6/14/2021	ND<1	192
	12/14/2021	ND<1	192
	6/6/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-10	12/8/2016	ND<1	192
	6/15/2017	ND<1	192
	12/12/2017	ND<1	192
	6/19/2018	ND<1	192

Vinyl chloride

12/17/2018	ND<1	192
6/10/2019	ND<1	192
12/12/2019	ND<1	192
6/24/2020	ND<1	192
12/15/2020	ND<1	192
6/15/2021	ND<1	192
12/15/2021	ND<1	192
6/7/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-10A	12/8/2016	ND<1	192
	6/15/2017	ND<1	192
	12/12/2017	ND<1	192
	6/19/2018	ND<1	192
	12/17/2018	ND<1	192
	6/10/2019	ND<1	192
	12/12/2019	ND<1	192
	6/24/2020	ND<1	192
	12/15/2020	ND<1	192
	6/15/2021	ND<1	192
	12/15/2021	ND<1	192
	6/7/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-14A	12/8/2016	5.7	390
	6/13/2017	3.5	385
	12/12/2017	6	391
	6/20/2018	6.2	392
	12/19/2018	4.9	389
	6/11/2019	4.3	387
	12/10/2019	4	386
	6/24/2020	7.5	393
	12/15/2020	11	394
	6/15/2021	12	395
	12/14/2021	19	396
	6/9/2022	19	397

Rank Sum = 4695
Rank Mean = 391.25

GWC-14R	12/8/2016	ND<1	192
	6/13/2017	ND<1	192
	12/12/2017	ND<1	192
	6/20/2018	ND<1	192
	12/19/2018	ND<1	192
	6/12/2019	ND<1	192
	12/10/2019	ND<1	192
	6/23/2020	ND<1	192
	12/17/2020	ND<1	192
	6/16/2021	ND<1	192
	12/14/2021	ND<1	192
	6/9/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-2	12/8/2016	ND<1	192
-------	-----------	------	-----

Vinyl chloride

6/15/2017	ND<1	192
12/13/2017	ND<1	192
6/20/2018	ND<1	192
12/19/2018	ND<1	192
6/12/2019	ND<1	192
12/10/2019	ND<1	192
6/22/2020	ND<1	192
12/16/2020	ND<1	192
6/15/2021	ND<1	192
12/15/2021	ND<1	192
6/7/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-3	12/8/2016	ND<1	192
	6/15/2017	ND<1	192
	6/21/2018	ND<1	192
	12/17/2018	ND<1	192
	6/11/2019	ND<1	192
	12/10/2019	ND<1	192
	6/24/2020	ND<1	192
	12/16/2020	ND<1	192
	6/15/2021	ND<1	192
	12/15/2021	ND<1	192
	6/7/2022	ND<1	192

Rank Sum = 2112
Rank Mean = 192

GWC-3A	12/8/2016	ND<1	192
	6/15/2017	ND<1	192
	12/12/2017	ND<1	192
	6/20/2018	ND<1	192
	12/17/2018	ND<1	192
	6/11/2019	ND<1	192
	12/10/2019	ND<1	192
	6/24/2020	ND<1	192
	12/16/2020	ND<1	192
	6/14/2021	ND<1	192
	12/15/2021	ND<1	192
	6/7/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-5	12/8/2016	ND<1	192
	6/12/2017	ND<1	192
	12/12/2017	ND<1	192
	6/21/2018	ND<1	192
	12/18/2018	ND<1	192
	6/12/2019	ND<1	192
	12/10/2019	ND<1	192
	6/23/2020	ND<1	192
	12/17/2020	ND<1	192
	6/15/2021	ND<1	192
	12/13/2021	ND<1	192
	6/8/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

Vinyl chloride

GWC-6	12/8/2016	ND<1	192
	6/12/2017	ND<1	192
	12/13/2017	ND<1	192
	6/21/2018	ND<1	192
	12/19/2018	ND<1	192
	6/12/2019	ND<1	192
	12/10/2019	ND<1	192
	6/24/2020	ND<1	192
	12/17/2020	ND<1	192
	6/15/2021	ND<1	192
	12/13/2021	ND<1	192
	6/8/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-7	12/8/2016	ND<1	192
	6/12/2017	ND<1	192
	12/12/2017	ND<1	192
	6/19/2018	ND<1	192
	12/18/2018	ND<1	192
	6/12/2019	ND<1	192
	12/11/2019	ND<1	192
	6/24/2020	ND<1	192
	12/17/2020	ND<1	192
	6/15/2021	ND<1	192
	12/13/2021	ND<1	192
	6/8/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-8	12/8/2016	ND<1	192
	12/12/2017	ND<1	192
	6/20/2018	ND<1	192
	12/19/2018	ND<1	192
	6/12/2019	ND<1	192
	12/11/2019	ND<1	192
	6/23/2020	ND<1	192
	12/16/2020	ND<1	192
	6/16/2021	ND<1	192
	12/15/2021	ND<1	192
	6/9/2022	ND<1	192

Rank Sum = 2112
Rank Mean = 192

GWC-8A	12/8/2016	ND<1	192
	6/13/2017	ND<1	192
	12/12/2017	ND<1	192
	6/20/2018	ND<1	192
	12/19/2018	ND<1	192
	6/12/2019	ND<1	192
	12/11/2019	ND<1	192
	6/23/2020	ND<1	192
	12/15/2020	ND<1	192
	6/16/2021	ND<1	192
	12/15/2021	ND<1	192
	6/9/2022	ND<1	192

Vinyl chloride

Rank Sum = 2304
Rank Mean = 192

GWC-8R	12/8/2016	ND<1	192
	6/13/2017	ND<1	192
	12/12/2017	ND<1	192
	6/20/2018	ND<1	192
	12/19/2018	ND<1	192
	6/12/2019	ND<1	192
	12/11/2019	ND<1	192
	6/23/2020	ND<1	192
	12/15/2020	ND<1	192
	6/16/2021	ND<1	192
	12/15/2021	ND<1	192
	6/9/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-9	12/8/2016	ND<1	192
	6/15/2017	ND<1	192
	12/13/2017	ND<1	192
	6/20/2018	ND<1	192
	12/18/2018	ND<1	192
	6/12/2019	ND<1	192
	12/12/2019	ND<1	192
	6/24/2020	ND<1	192
	12/17/2020	ND<1	192
	6/15/2021	ND<1	192
	12/13/2021	ND<1	192
	6/7/2022	ND<1	192

Rank Sum = 2304
Rank Mean = 192

GWC-14	6/13/2017	ND<1	192
	6/20/2018	ND<1	192
	6/11/2019	ND<1	192
	12/10/2019	ND<1	192
	6/24/2020	ND<1	192
	12/17/2020	ND<1	192
	6/15/2021	ND<1	192
	12/15/2021	ND<1	192
	6/9/2022	ND<1	192

Rank Sum = 1728
Rank Mean = 192

GWC-17	6/14/2017	ND<1	192
	12/12/2017	ND<1	192
	6/19/2018	ND<1	192
	12/19/2018	ND<1	192
	6/12/2019	ND<1	192
	12/10/2019	ND<1	192
	6/23/2020	ND<1	192
	12/15/2020	ND<1	192
	6/14/2021	ND<1	192
	12/14/2021	ND<1	192
	6/9/2022	ND<1	192

Rank Sum = 2112

Vinyl chloride

Rank Mean = 192

Calculation Results:

Kruskal-Wallis H Statistic = 35.1805

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 344.545

95% Confidence comparison value is 46.1942 at 32 degrees of freedom

35.1805 < 46.1942 indicating no significant group difference at 5% significance level

344.545 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 192

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	192	0	94.3789
GWC-19R	192	0	94.3789
GWC-22	192	0	94.3789
GWC-23	192	0	94.3789
GWC-23A	192	0	94.3789
GWC-16A	208.333	16.3333	94.3789
GWA-1A	192	0	94.3789
GWC-11	192	0	94.3789
GWC-12	192	0	94.3789
GWC-12A	192	0	94.3789
GWC-13	192	0	94.3789
GWC-24	192	0	94.3789
GWC-4	192	0	114.669
GWC-4A	192	0	94.3789
GWC-15	208	16	94.3789
GWA-3	192	0	94.3789
GWC-10	192	0	94.3789
GWC-10A	192	0	94.3789
GWC-14A	391.25	199.25	94.3789
GWC-14R	192	0	94.3789
GWC-2	192	0	94.3789
GWC-3	192	0	97.1968
GWC-3A	192	0	94.3789
GWC-5	192	0	94.3789
GWC-6	192	0	94.3789
GWC-7	192	0	94.3789
GWC-8	192	0	97.1968
GWC-8A	192	0	94.3789
GWC-8R	192	0	94.3789
GWC-9	192	0	94.3789
GWC-14	192	0	104.34
GWC-17	192	0	97.1968

Individual Well Comparisons at Groupwise 5% Significance Level

(0.15625% Significance Level per comparison)

0.15625% Z score is 3.09024

Mean background rank is 192

Well	Mean Rank	Dif from Bkg	Critical Value
GWC-18	192	0	125.37
GWC-19R	192	0	125.37
GWC-22	192	0	125.37
GWC-23	192	0	125.37

Vinyl chloride

GWC-23A	192	0	125.37
GWC-16A	208.333	16.3333	125.37
GWA-1A	192	0	125.37
GWC-11	192	0	125.37
GWC-12	192	0	125.37
GWC-12A	192	0	125.37
GWC-13	192	0	125.37
GWC-24	192	0	125.37
GWC-4	192	0	152.323
GWC-4A	192	0	125.37
GWC-15	208	16	125.37
GWA-3	192	0	125.37
GWC-10	192	0	125.37
GWC-10A	192	0	125.37
GWC-14A	391.25	199.25	125.37
GWC-14R	192	0	125.37
GWC-2	192	0	125.37
GWC-3	192	0	129.113
GWC-3A	192	0	125.37
GWC-5	192	0	125.37
GWC-6	192	0	125.37
GWC-7	192	0	125.37
GWC-8	192	0	129.113
GWC-8A	192	0	125.37
GWC-8R	192	0	125.37
GWC-9	192	0	125.37
GWC-14	192	0	138.602
GWC-17	192	0	129.113

Kruskal-Wallis Non-Parametric Test

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks**Background Locations**

Loc. ID	Date	Value	Rank
GWA-1	12/8/2016	26	184
	6/14/2017	28	193
	12/12/2017	27	189
	6/20/2018	32	216
	12/18/2018	28	194
	6/11/2019	28	195
	12/10/2019	20.9	141
	6/24/2020	22.3	154
	12/18/2020	27	190
	6/16/2021	26.1	187
	12/14/2021	24.1	169
	6/9/2022	20.4	138

Rank Sum = 2150

Rank Mean = 179.167

GWA-2	12/9/2016	ND<10	66
	6/16/2017	26	185
	12/12/2017	25	175
	6/20/2018	23	158
	12/18/2018	32	217
	6/12/2019	23	159
	12/12/2019	39.5	264
	6/23/2020	20	132
	12/18/2020	22	147
	6/16/2021	24.2	170
12/14/2021	24.9	174	
6/9/2022	22.4	155	

Rank Sum = 2002

Rank Mean = 166.833

Background Rank Sum = 4152

Background Rank Mean = 173

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-1A	12/7/2016	33	225
	6/12/2017	36	247
	12/13/2017	33	226
	6/20/2018	30	202
	12/18/2018	32	218
	6/10/2019	41	270
	12/9/2019	30	203
	6/23/2020	30.3	205
	12/17/2020	31.9	215
	6/17/2021	37.4	257
	12/16/2021	32.3	220

6/8/2022 31.8 213
 Rank Sum = 2701
 Rank Mean = 225.083

GWC-18	12/7/2016	180	356
	6/15/2017	180	357
	12/14/2017	150	343
	6/20/2018	280	366
	12/19/2018	140	341
	6/12/2019	230	365
	12/10/2019	181	360
	6/24/2020	168	348
	12/16/2020	160	344
	6/15/2021	165	346
	12/15/2021	141	342
	6/8/2022	196	362

Rank Sum = 4230

Rank Mean = 352.5

GWC-19R	12/7/2016	130	340
	6/15/2017	97	333
	12/14/2017	120	338
	6/20/2018	81	324
	12/19/2018	160	345
	6/12/2019	97	334
	12/10/2019	89.2	330
	6/24/2020	83	327
	12/16/2020	76.5	321
	6/15/2021	82.2	326
	12/15/2021	87	329
6/7/2022	85.6	328	

Rank Sum = 3975

Rank Mean = 331.25

GWC-22	12/7/2016	23	160
	6/15/2017	28	196
	12/12/2017	ND<10	66
	6/20/2018	24	165
	12/19/2018	21	142
	6/13/2019	21	143
	12/12/2019	21.5	146
	6/24/2020	22.1	152
	12/18/2020	20.4	139
	6/15/2021	28	197
	12/14/2021	24.6	173
6/7/2022	25.8	181	

Rank Sum = 1860

Rank Mean = 155

GWC-23	12/7/2016	ND<10	66
	6/15/2017	ND<10	66
	12/12/2017	ND<10	66
	6/19/2018	ND<10	66
	12/19/2018	ND<10	66
	6/13/2019	ND<10	66
	12/12/2019	ND<10	66
	6/24/2020	ND<10	66

Barium

12/17/2020	ND<10	66
6/15/2021	ND<10	66
12/14/2021	ND<10	66
6/7/2022	ND<10	66

Rank Sum = 792

Rank Mean = 66

GWC-23A	12/7/2016	ND<10	66
	6/15/2017	ND<10	66
	12/12/2017	ND<10	66
	6/19/2018	ND<10	66
	12/19/2018	ND<10	66
	6/13/2019	ND<10	66
	12/12/2019	ND<10	66
	6/24/2020	ND<10	66
	12/17/2020	ND<10	66
	6/15/2021	ND<10	66
	12/14/2021	ND<10	66
	6/7/2022	ND<10	66

Rank Sum = 792

Rank Mean = 66

GWC-15	12/8/2016	60	307
	6/14/2017	120	339
	12/14/2017	99	336
	6/20/2018	98	335
	12/19/2018	58	304
	6/11/2019	60	308
	12/10/2019	42.3	276
	6/25/2020	62.7	309
	12/17/2020	54.7	299
	6/16/2021	69.4	315
	12/14/2021	73.4	319
	6/9/2022	70.8	316

Rank Sum = 3763

Rank Mean = 313.583

GWC-16A	12/8/2016	35	238
	6/15/2017	170	349
	12/14/2017	29	199
	6/21/2018	34	234
	12/20/2018	24	166
	6/13/2019	26	186
	12/12/2019	26.7	188
	6/23/2020	23.6	163
	12/17/2020	25.2	178
	6/16/2021	24.3	171
	12/16/2021	23.6	164
	6/10/2022	ND<10	66

Rank Sum = 2302

Rank Mean = 191.833

GWC-11	12/8/2016	22	148
	6/15/2017	24	167
	12/14/2017	42	274
	6/20/2018	21	144
	12/20/2018	ND<10	66

Barium

6/13/2019	40	266
12/13/2019	35.9	246
6/25/2020	25.9	183
12/16/2020	25.4	179
6/16/2021	22.1	153
12/14/2021	23.3	162
6/8/2022	ND<10	66

Rank Sum = 2054

Rank Mean = 171.167

GWC-12	12/8/2016	ND<10	66
	6/15/2017	ND<10	66
	12/14/2017	ND<10	66
	6/20/2018	ND<10	66
	12/20/2018	34	235
	6/12/2019	20	133
	12/10/2019	ND<10	66
	6/25/2020	ND<10	66
	12/22/2020	22.6	156
	6/16/2021	ND<10	66
	12/14/2021	ND<10	66
	6/8/2022	ND<10	66

Rank Sum = 1118

Rank Mean = 93.1667

GWC-12A	12/8/2016	ND<10	66
	6/15/2017	ND<10	66
	12/14/2017	ND<10	66
	6/20/2018	ND<10	66
	12/20/2018	ND<10	66
	6/12/2019	ND<10	66
	12/10/2019	ND<10	66
	6/25/2020	ND<10	66
	12/16/2020	ND<10	66
	6/16/2021	ND<10	66
	12/14/2021	ND<10	66
	6/8/2022	ND<10	66

Rank Sum = 792

Rank Mean = 66

GWC-13	12/8/2016	ND<10	66
	6/15/2017	ND<10	66
	12/13/2017	ND<10	66
	6/20/2018	36	248
	12/20/2018	ND<10	66
	6/13/2019	ND<10	66
	12/12/2019	32.7	223
	6/24/2020	ND<10	66
	12/16/2020	ND<10	66
	6/16/2021	ND<10	66
	12/16/2021	ND<10	66
	6/9/2022	ND<10	66

Rank Sum = 1131

Rank Mean = 94.25

GWC-14A	12/8/2016	220	364
	6/13/2017	210	363

Barium

12/13/2017	180	358
6/21/2018	190	361
12/19/2018	180	359
6/12/2019	170	350
12/11/2019	170	351
6/24/2020	171	352
12/16/2020	171	353
6/16/2021	173	354
12/15/2021	179	355
6/10/2022	167	347

Rank Sum = 4267
Rank Mean = 355.583

GWC-4	12/8/2016	25	176
	6/21/2018	20	134
	6/24/2020	25.6	180
	12/18/2020	31.5	210
	6/17/2021	24.5	172
	12/15/2021	21	145
	6/9/2022	ND<10	66

Rank Sum = 1083
Rank Mean = 154.714

GWC-4A	12/8/2016	59	306
	6/14/2017	33	227
	12/13/2017	81	325
	6/21/2018	22	149
	12/18/2018	25	177
	6/12/2019	74	320
	12/12/2019	ND<10	66
	6/24/2020	29.9	201
	12/18/2020	30.5	206
	6/18/2021	35.7	244
	12/16/2021	ND<10	66
	6/8/2022	36.3	249

Rank Sum = 2536
Rank Mean = 211.333

GWA-3	12/9/2016	ND<10	66
	6/15/2017	ND<10	66
	12/12/2017	ND<10	66
	6/19/2018	ND<10	66
	12/18/2018	ND<10	66
	6/12/2019	ND<10	66
	12/11/2019	22.9	157
	6/23/2020	ND<10	66
	12/17/2020	ND<10	66
	6/15/2021	ND<10	66
	12/15/2021	ND<10	66
	6/7/2022	ND<10	66

Rank Sum = 883
Rank Mean = 73.5833

GWC-10	12/9/2016	20	135
	6/16/2017	20	136
	12/13/2017	48	287
	6/20/2018	ND<10	66

Barium

	12/18/2018	ND<10	66
	6/11/2019	22	150
	12/13/2019	ND<10	66
	6/25/2020	ND<10	66
	12/16/2020	ND<10	66
	6/16/2021	ND<10	66
	12/16/2021	ND<10	66
	6/8/2022	ND<10	66

Rank Sum = 1236
Rank Mean = 103

GWC-10A	12/9/2016	31	208
	6/16/2017	31	209
	12/13/2017	32	219
	6/20/2018	34	236
	12/18/2018	35	239
	6/11/2019	33	228
	12/13/2019	35.2	243
	6/25/2020	29.6	200
	12/16/2020	32.5	222
	6/16/2021	31.5	211
	12/16/2021	33.5	231
	6/8/2022	31.8	214

Rank Sum = 2660
Rank Mean = 221.667

GWC-2	12/9/2016	ND<10	66
	6/16/2017	ND<10	66
	12/14/2017	ND<10	66
	6/21/2018	ND<10	66
	12/20/2018	ND<10	66
	6/13/2019	ND<10	66
	12/11/2019	ND<10	66
	6/23/2020	27.5	192
	12/17/2020	ND<10	66
	6/16/2021	ND<10	66
	12/16/2021	ND<10	66
	6/8/2022	ND<10	66

Rank Sum = 918
Rank Mean = 76.5

GWC-3A	12/9/2016	43	278
	6/16/2017	40	267
	12/13/2017	38	258
	6/21/2018	39	262
	12/18/2018	38	259
	6/12/2019	46	282
	12/11/2019	40.7	268
	6/25/2020	37.1	255
	12/17/2020	31.6	212
	6/15/2021	36.5	252
	12/16/2021	32.8	224
	6/8/2022	32.3	221

Rank Sum = 3038
Rank Mean = 253.167

GWC-5	12/9/2016	ND<10	66
-------	-----------	-------	----

Barium

6/13/2017	ND<10	66
12/13/2017	ND<10	66
6/21/2018	ND<10	66
12/19/2018	ND<10	66
6/13/2019	ND<10	66
12/11/2019	ND<10	66
6/24/2020	ND<10	66
12/18/2020	ND<10	66
6/16/2021	ND<10	66
12/14/2021	ND<10	66
6/9/2022	ND<10	66

Rank Sum = 792

Rank Mean = 66

GWC-6	12/9/2016	ND<10	66
	6/13/2017	ND<10	66
	12/14/2017	ND<10	66
	6/21/2018	37	254
	12/20/2018	ND<10	66
	6/13/2019	ND<10	66
	12/11/2019	ND<10	66
	6/25/2020	ND<10	66
	12/18/2020	ND<10	66
	6/16/2021	ND<10	66
	12/14/2021	ND<10	66
	6/9/2022	ND<10	66

Rank Sum = 980

Rank Mean = 81.6667

GWC-7	12/9/2016	46	283
	6/13/2017	52	294
	12/13/2017	46	284
	6/20/2018	49	289
	12/19/2018	51	292
	6/13/2019	48	288
	12/12/2019	49.9	291
	6/25/2020	36.4	250
	12/18/2020	38.8	261
	6/16/2021	36.9	253
	12/14/2021	41.8	273
	6/9/2022	36.4	251

Rank Sum = 3309

Rank Mean = 275.75

GWC-8	12/9/2016	22	151
	12/13/2017	23	161
	6/21/2018	ND<10	66
	6/13/2019	30	204
	12/12/2019	28.6	198
	6/24/2020	52.4	295
	12/17/2020	33	229
	6/17/2021	42.5	277
	12/16/2021	33.5	232
	6/10/2022	33.5	233

Rank Sum = 2046

Rank Mean = 204.6

Barium

GWC-8A	12/9/2016	55	300
	6/14/2017	66	311
	12/13/2017	42	275
	6/21/2018	51	293
	12/20/2018	55	301
	6/13/2019	33	230
	12/12/2019	56	303
	6/24/2020	43.9	280
	12/16/2020	46.8	285
	6/17/2021	52.4	296
	12/16/2021	49.7	290
	6/10/2022	39.9	265

Rank Sum = 3429

Rank Mean = 285.75

GWC-9	12/9/2016	67	312
	6/16/2017	58	305
	12/14/2017	54	298
	6/21/2018	73	318
	12/19/2018	53	297
	6/13/2019	80	323
	12/13/2019	67.9	313
	6/25/2020	78.5	322
	12/18/2020	90	331
	6/16/2021	64.3	310
	12/14/2021	100	337
	6/8/2022	55.7	302

Rank Sum = 3768

Rank Mean = 314

GWC-17	6/15/2017	45	281
	12/13/2017	35	240
	6/20/2018	34	237
	12/20/2018	69	314
	6/13/2019	43	279
	12/11/2019	37.1	256
	6/24/2020	30.9	207
	12/16/2020	40.7	269
	6/15/2021	38.3	260
	12/15/2021	39.2	263
	6/10/2022	41.1	271

Rank Sum = 2877

Rank Mean = 261.545

GWC-24	6/15/2017	ND<10	66
	6/20/2018	ND<10	66
	6/12/2019	20	137
	12/10/2019	27.4	191
	6/25/2020	25.8	182
	6/15/2021	ND<10	66
	6/8/2022	ND<10	66

Rank Sum = 774

Rank Mean = 110.571

GWC-14	6/21/2018	35	241
	6/12/2019	35	242
	12/11/2019	41.2	272

Barium

6/25/2020	ND<10	66
12/18/2020	72.2	317
6/16/2021	24	168
12/16/2021	47.3	286
6/10/2022	20.8	140

Rank Sum = 1732
Rank Mean = 216.5

GWC-3	6/21/2018	ND<10	66
	12/18/2018	ND<10	66
	6/12/2019	ND<10	66
	12/11/2019	ND<10	66
	6/25/2020	ND<10	66
	12/17/2020	ND<10	66
	6/16/2021	ND<10	66
	12/16/2021	ND<10	66
	6/8/2022	ND<10	66

Rank Sum = 594
Rank Mean = 66

GWC-14R	6/9/2022	94.1	332
---------	----------	------	-----

Rank Sum = 332
Rank Mean = 332

GWC-8R	6/9/2022	35.8	245
--------	----------	------	-----

Rank Sum = 245
Rank Mean = 245

Calculation Results:

Kruskal-Wallis H Statistic = 297.488
 Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 311.784
 95% Confidence comparison value is 46.1942 at 32 degrees of freedom
297.488 > 46.1942 indicating a significant group difference at 5% significance level
311.784 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 173

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	225.083	52.0833	87.0185
GWC-18	352.5	179.5	87.0185
GWC-19R	331.25	158.25	87.0185
GWC-22	155	-18	87.0185
GWC-23	66	-107	87.0185
GWC-23A	66	-107	87.0185
GWC-15	313.583	140.583	87.0185
GWC-16A	191.833	18.8333	87.0185
GWC-11	171.167	-1.83333	87.0185
GWC-12	93.1667	-79.8333	87.0185
GWC-12A	66	-107	87.0185
GWC-13	94.25	-78.75	87.0185
GWC-14A	355.583	182.583	87.0185
GWC-4	154.714	-18.2857	105.726
GWC-4A	211.333	38.3333	87.0185
GWA-3	73.5833	-99.4167	87.0185

Barium

GWC-10	103	-70	87.0185
GWC-10A	221.667	48.6667	87.0185
GWC-2	76.5	-96.5	87.0185
GWC-3A	253.167	80.1667	87.0185
GWC-5	66	-107	87.0185
GWC-6	81.6667	-91.3333	87.0185
GWC-7	275.75	102.75	87.0185
GWC-8	204.6	31.6	92.6382
GWC-8A	285.75	112.75	87.0185
GWC-9	314	141	87.0185
GWC-17	261.545	88.5455	89.6166
GWC-24	110.571	-62.4286	105.726
GWC-14	216.5	43.5	100.48
GWC-3	66	-107	96.2026
GWC-14R	332	159	251.201
GWC-8R	245	72	251.201

Individual Well Comparisons at Groupwise 5% Significance Level (0.15625% Significance Level per comparison)

0.15625% Z score is 3.09024

Mean background rank is 173

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	225.083	52.0833	115.593
GWC-18	352.5	179.5	115.593
GWC-19R	331.25	158.25	115.593
GWC-22	155	-18	115.593
GWC-23	66	-107	115.593
GWC-23A	66	-107	115.593
GWC-15	313.583	140.583	115.593
GWC-16A	191.833	18.8333	115.593
GWC-11	171.167	-1.83333	115.593
GWC-12	93.1667	-79.8333	115.593
GWC-12A	66	-107	115.593
GWC-13	94.25	-78.75	115.593
GWC-14A	355.583	182.583	115.593
GWC-4	154.714	-18.2857	140.444
GWC-4A	211.333	38.3333	115.593
GWA-3	73.5833	-99.4167	115.593
GWC-10	103	-70	115.593
GWC-10A	221.667	48.6667	115.593
GWC-2	76.5	-96.5	115.593
GWC-3A	253.167	80.1667	115.593
GWC-5	66	-107	115.593
GWC-6	81.6667	-91.3333	115.593
GWC-7	275.75	102.75	115.593
GWC-8	204.6	31.6	123.058
GWC-8A	285.75	112.75	115.593
GWC-9	314	141	115.593
GWC-17	261.545	88.5455	119.044
GWC-24	110.571	-62.4286	140.444
GWC-14	216.5	43.5	133.475
GWC-3	66	-107	127.793
GWC-14R	332	159	333.688
GWC-8R	245	72	333.688

Kruskal-Wallis Non-Parametric Test**Parameter: Cobalt**

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks**Background Locations**

Loc. ID	Date	Value	Rank
GWA-1	12/8/2016	ND<20	172
	6/14/2017	ND<20	172
	12/12/2017	ND<20	172
	6/20/2018	ND<20	172
	12/18/2018	ND<20	172
	6/11/2019	ND<20	172
	12/10/2019	ND<20	172
	6/24/2020	ND<20	172
	12/18/2020	ND<20	172
	6/16/2021	ND<20	172
	12/14/2021	ND<20	172
	6/9/2022	ND<20	172

Rank Sum = 2064

Rank Mean = 172

GWA-2	12/9/2016	ND<20	172
	6/16/2017	ND<20	172
	12/12/2017	ND<20	172
	6/20/2018	ND<20	172
	12/18/2018	ND<20	172
	6/12/2019	ND<20	172
	12/12/2019	ND<20	172
	6/23/2020	ND<20	172
	12/18/2020	ND<20	172
	6/16/2021	ND<20	172
	12/14/2021	ND<20	172
	6/9/2022	ND<20	172

Rank Sum = 2064

Rank Mean = 172

Background Rank Sum = 4128

Background Rank Mean = 172

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-1A	12/7/2016	ND<20	172
	6/12/2017	ND<20	172
	12/13/2017	ND<20	172
	6/20/2018	ND<20	172
	12/18/2018	ND<20	172
	6/10/2019	ND<20	172
	12/9/2019	ND<20	172
	6/23/2020	ND<20	172
	12/17/2020	ND<20	172
	6/17/2021	ND<20	172
	12/16/2021	ND<20	172

	6/8/2022	ND<20	172
Rank Sum = 2064			
Rank Mean = 172			

GWC-18	12/7/2016	ND<20	172
	6/15/2017	ND<20	172
	12/14/2017	ND<20	172
	6/20/2018	ND<20	172
	12/19/2018	ND<20	172
	6/12/2019	ND<20	172
	12/10/2019	ND<20	172
	6/24/2020	ND<20	172
	12/16/2020	ND<20	172
	6/15/2021	ND<20	172
	12/15/2021	ND<20	172
	6/8/2022	ND<25	172

Rank Sum = 2064

Rank Mean = 172

GWC-19R	12/7/2016	ND<20	172
	6/15/2017	ND<20	172
	12/14/2017	ND<20	172
	6/20/2018	ND<20	172
	12/19/2018	ND<20	172
	6/12/2019	ND<20	172
	12/10/2019	ND<20	172
	6/24/2020	ND<20	172
	12/16/2020	ND<20	172
	6/15/2021	45.2	347
	12/15/2021	40.4	344
	6/7/2022	ND<25	172

Rank Sum = 2411

Rank Mean = 200.917

GWC-22	12/7/2016	ND<20	172
	6/15/2017	ND<20	172
	12/12/2017	ND<20	172
	6/20/2018	ND<20	172
	12/19/2018	ND<20	172
	6/13/2019	ND<20	172
	12/12/2019	ND<20	172
	6/24/2020	ND<20	172
	12/18/2020	ND<20	172
	6/15/2021	ND<20	172
	12/14/2021	ND<20	172
	6/7/2022	ND<20	172

Rank Sum = 2064

Rank Mean = 172

GWC-23	12/7/2016	ND<20	172
	6/15/2017	ND<20	172
	12/12/2017	ND<20	172
	6/19/2018	ND<20	172
	12/19/2018	ND<20	172
	6/13/2019	ND<20	172
	12/12/2019	ND<20	172
	6/24/2020	ND<20	172

Cobalt

12/17/2020	ND<20	172
6/15/2021	ND<20	172
12/14/2021	ND<20	172
6/7/2022	ND<20	172

Rank Sum = 2064

Rank Mean = 172

GWC-23A	12/7/2016	ND<20	172
	6/15/2017	ND<20	172
	12/12/2017	ND<20	172
	6/19/2018	ND<20	172
	12/19/2018	ND<20	172
	6/13/2019	ND<20	172
	12/12/2019	ND<20	172
	6/24/2020	ND<20	172
	12/17/2020	ND<20	172
	6/15/2021	ND<20	172
	12/14/2021	ND<20	172
	6/7/2022	ND<20	172

Rank Sum = 2064

Rank Mean = 172

GWC-15	12/8/2016	ND<20	172
	6/14/2017	ND<20	172
	12/14/2017	ND<20	172
	6/20/2018	ND<20	172
	12/19/2018	ND<20	172
	6/11/2019	ND<20	172
	12/10/2019	ND<20	172
	6/25/2020	ND<20	172
	12/17/2020	ND<20	172
	6/16/2021	ND<20	172
	12/14/2021	ND<20	172
	6/9/2022	ND<20	172

Rank Sum = 2064

Rank Mean = 172

GWC-16A	12/8/2016	ND<20	172
	6/15/2017	81	351
	12/14/2017	ND<20	172
	6/21/2018	ND<20	172
	12/20/2018	ND<20	172
	6/13/2019	ND<20	172
	12/12/2019	ND<20	172
	6/23/2020	ND<20	172
	12/17/2020	ND<20	172
	6/16/2021	ND<20	172
	12/16/2021	ND<20	172
	6/10/2022	ND<25	172

Rank Sum = 2243

Rank Mean = 186.917

GWC-11	12/8/2016	ND<20	172
	6/15/2017	ND<20	172
	12/14/2017	ND<20	172
	6/20/2018	ND<20	172
	12/20/2018	ND<20	172

Cobalt

6/13/2019	ND<20	172
12/13/2019	ND<20	172
6/25/2020	ND<20	172
12/16/2020	ND<20	172
6/16/2021	ND<20	172
12/14/2021	ND<20	172
6/8/2022	ND<20	172

Rank Sum = 2064

Rank Mean = 172

GWC-12	12/8/2016	ND<20	172
	6/15/2017	ND<20	172
	12/14/2017	ND<20	172
	6/20/2018	ND<20	172
	12/20/2018	ND<20	172
	6/12/2019	ND<20	172
	12/10/2019	ND<20	172
	6/25/2020	ND<20	172
	12/22/2020	ND<20	172
	6/16/2021	ND<20	172
	12/14/2021	ND<20	172
	6/8/2022	ND<20	172

Rank Sum = 2064

Rank Mean = 172

GWC-12A	12/8/2016	ND<20	172
	6/15/2017	ND<20	172
	12/14/2017	ND<20	172
	6/20/2018	ND<20	172
	12/20/2018	ND<20	172
	6/12/2019	ND<20	172
	12/10/2019	ND<20	172
	6/25/2020	ND<20	172
	12/16/2020	ND<20	172
	6/16/2021	ND<20	172
	12/14/2021	ND<20	172
	6/8/2022	ND<20	172

Rank Sum = 2064

Rank Mean = 172

GWC-13	12/8/2016	ND<20	172
	6/15/2017	ND<20	172
	12/13/2017	ND<20	172
	6/20/2018	ND<20	172
	12/20/2018	ND<20	172
	6/13/2019	ND<20	172
	12/12/2019	ND<20	172
	6/24/2020	ND<20	172
	12/16/2020	ND<20	172
	6/16/2021	ND<20	172
	12/16/2021	ND<20	172
	6/9/2022	ND<20	172

Rank Sum = 2064

Rank Mean = 172

GWC-14A	12/8/2016	380	366
	6/13/2017	370	365

Cobalt

12/13/2017	280	358
6/21/2018	310	363
12/19/2018	290	359
6/12/2019	330	364
12/11/2019	228	356
6/24/2020	301	361
12/16/2020	298	360
6/16/2021	306	362
12/15/2021	192	355
6/10/2022	252	357

Rank Sum = 4326
Rank Mean = 360.5

GWC-4	12/8/2016	ND<20	172
	6/21/2018	ND<20	172
	6/24/2020	ND<20	172
	12/18/2020	ND<20	172
	6/17/2021	ND<20	172
	12/15/2021	ND<20	172
	6/9/2022	ND<20	172

Rank Sum = 1204
Rank Mean = 172

GWC-4A	12/8/2016	ND<20	172
	6/14/2017	ND<20	172
	12/13/2017	ND<20	172
	6/21/2018	ND<20	172
	12/18/2018	ND<20	172
	6/12/2019	ND<20	172
	12/12/2019	ND<20	172
	6/24/2020	ND<20	172
	12/18/2020	ND<20	172
	6/18/2021	ND<20	172
	12/16/2021	ND<20	172
	6/8/2022	ND<20	172

Rank Sum = 2064
Rank Mean = 172

GWA-3	12/9/2016	ND<20	172
	6/15/2017	ND<20	172
	12/12/2017	ND<20	172
	6/19/2018	ND<20	172
	12/18/2018	ND<20	172
	6/12/2019	ND<20	172
	12/11/2019	ND<20	172
	6/23/2020	ND<20	172
	12/17/2020	ND<20	172
	6/15/2021	ND<20	172
	12/15/2021	ND<20	172
	6/7/2022	ND<20	172

Rank Sum = 2064
Rank Mean = 172

GWC-10	12/9/2016	ND<20	172
	6/16/2017	ND<20	172
	12/13/2017	ND<20	172
	6/20/2018	ND<20	172

Cobalt

12/18/2018	ND<20	172
6/11/2019	ND<20	172
12/13/2019	ND<20	172
6/25/2020	ND<20	172
12/16/2020	ND<20	172
6/16/2021	ND<20	172
12/16/2021	ND<20	172
6/8/2022	ND<20	172

Rank Sum = 2064
Rank Mean = 172

GWC-10A	12/9/2016	ND<20	172
	6/16/2017	ND<20	172
	12/13/2017	ND<20	172
	6/20/2018	ND<20	172
	12/18/2018	ND<20	172
	6/11/2019	ND<20	172
	12/13/2019	ND<20	172
	6/25/2020	ND<20	172
	12/16/2020	ND<20	172
	6/16/2021	ND<20	172
	12/16/2021	ND<20	172
	6/8/2022	ND<20	172

Rank Sum = 2064
Rank Mean = 172

GWC-2	12/9/2016	ND<20	172
	6/16/2017	ND<20	172
	12/14/2017	ND<20	172
	6/21/2018	ND<20	172
	12/20/2018	ND<20	172
	6/13/2019	ND<20	172
	12/11/2019	ND<20	172
	6/23/2020	ND<20	172
	12/17/2020	ND<20	172
	6/16/2021	ND<20	172
	12/16/2021	ND<20	172
	6/8/2022	ND<20	172

Rank Sum = 2064
Rank Mean = 172

GWC-3A	12/9/2016	ND<20	172
	6/16/2017	ND<20	172
	12/13/2017	ND<20	172
	6/21/2018	ND<20	172
	12/18/2018	ND<20	172
	6/12/2019	ND<20	172
	12/11/2019	ND<20	172
	6/25/2020	ND<20	172
	12/17/2020	ND<20	172
	6/15/2021	ND<20	172
	12/16/2021	ND<20	172
	6/8/2022	ND<20	172

Rank Sum = 2064
Rank Mean = 172

GWC-5	12/9/2016	ND<20	172
-------	-----------	-------	-----

Cobalt

6/13/2017	ND<20	172
12/13/2017	ND<20	172
6/21/2018	ND<20	172
12/19/2018	ND<20	172
6/13/2019	ND<20	172
12/11/2019	ND<20	172
6/24/2020	ND<20	172
12/18/2020	ND<20	172
6/16/2021	ND<20	172
12/14/2021	ND<20	172
6/9/2022	ND<20	172

Rank Sum = 2064
Rank Mean = 172

GWC-6	12/9/2016	ND<20	172
	6/13/2017	ND<20	172
	12/14/2017	ND<20	172
	6/21/2018	ND<20	172
	12/20/2018	ND<20	172
	6/13/2019	ND<20	172
	12/11/2019	ND<20	172
	6/25/2020	ND<20	172
	12/18/2020	ND<20	172
	6/16/2021	ND<20	172
	12/14/2021	ND<20	172
	6/9/2022	ND<20	172

Rank Sum = 2064
Rank Mean = 172

GWC-7	12/9/2016	ND<20	172
	6/13/2017	ND<20	172
	12/13/2017	ND<20	172
	6/20/2018	ND<20	172
	12/19/2018	ND<20	172
	6/13/2019	ND<20	172
	12/12/2019	ND<20	172
	6/25/2020	ND<20	172
	12/18/2020	ND<20	172
	6/16/2021	ND<20	172
	12/14/2021	ND<20	172
	6/9/2022	ND<20	172

Rank Sum = 2064
Rank Mean = 172

GWC-8	12/9/2016	ND<20	172
	12/13/2017	ND<20	172
	6/21/2018	ND<20	172
	6/13/2019	ND<20	172
	12/12/2019	ND<20	172
	6/24/2020	ND<20	172
	12/17/2020	ND<20	172
	6/17/2021	ND<20	172
	12/16/2021	ND<20	172
	6/10/2022	ND<20	172

Rank Sum = 1720
Rank Mean = 172

Cobalt

GWC-8A	12/9/2016	44	346
	6/14/2017	ND<20	172
	12/13/2017	ND<20	172
	6/21/2018	ND<20	172
	12/20/2018	ND<20	172
	6/13/2019	ND<20	172
	12/12/2019	ND<20	172
	6/24/2020	ND<20	172
	12/16/2020	ND<20	172
	6/17/2021	ND<20	172
	12/16/2021	ND<20	172
	6/10/2022	ND<20	172

Rank Sum = 2238
Rank Mean = 186.5

GWC-9	12/9/2016	ND<20	172
	6/16/2017	ND<20	172
	12/14/2017	ND<20	172
	6/21/2018	ND<20	172
	12/19/2018	ND<20	172
	6/13/2019	ND<20	172
	12/13/2019	ND<20	172
	6/25/2020	ND<20	172
	12/18/2020	ND<20	172
	6/16/2021	ND<20	172
	12/14/2021	ND<20	172
	6/8/2022	ND<20	172

Rank Sum = 2064
Rank Mean = 172

GWC-17	6/15/2017	ND<20	172
	12/13/2017	ND<20	172
	6/20/2018	ND<20	172
	12/20/2018	ND<20	172
	6/13/2019	ND<20	172
	12/11/2019	ND<20	172
	6/24/2020	ND<20	172
	12/16/2020	ND<20	172
	6/15/2021	ND<20	172
	12/15/2021	ND<20	172
	6/10/2022	ND<25	172

Rank Sum = 1892
Rank Mean = 172

GWC-24	6/15/2017	ND<20	172
	6/20/2018	ND<20	172
	6/12/2019	ND<20	172
	12/10/2019	ND<20	172
	6/25/2020	ND<20	172
	6/15/2021	ND<20	172
	6/8/2022	ND<25	172

Rank Sum = 1204
Rank Mean = 172

GWC-14	6/21/2018	42	345
	6/12/2019	57	350
	12/11/2019	50.3	348

Cobalt

6/25/2020	95.1	354
12/18/2020	55.5	349
6/16/2021	87.6	353
12/16/2021	ND<20	172
6/10/2022	85.5	352

Rank Sum = 2623
Rank Mean = 327.875

GWC-3	6/21/2018	ND<20	172
	12/18/2018	ND<20	172
	6/12/2019	ND<20	172
	12/11/2019	ND<20	172
	6/25/2020	ND<20	172
	12/17/2020	ND<20	172
	6/16/2021	ND<20	172
	12/16/2021	ND<20	172
	6/8/2022	ND<20	172

Rank Sum = 1548
Rank Mean = 172

GWC-14R	6/9/2022	ND<20	172
---------	----------	-------	-----

Rank Sum = 172
Rank Mean = 172

GWC-8R	6/9/2022	ND<20	172
--------	----------	-------	-----

Rank Sum = 172
Rank Mean = 172

Calculation Results:

Kruskal-Wallis H Statistic = 52.4936
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 296.697
95% Confidence comparison value is 46.1942 at 32 degrees of freedom
52.4936 > 46.1942 indicating a significant group difference at 5% significance level
296.697 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634
Mean background rank is 172

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	172	0	87.0185
GWC-18	172	0	87.0185
GWC-19R	200.917	28.9167	87.0185
GWC-22	172	0	87.0185
GWC-23	172	0	87.0185
GWC-23A	172	0	87.0185
GWC-15	172	0	87.0185
GWC-16A	186.917	14.9167	87.0185
GWC-11	172	0	87.0185
GWC-12	172	0	87.0185
GWC-12A	172	0	87.0185
GWC-13	172	0	87.0185
GWC-14A	360.5	188.5	87.0185
GWC-4	172	0	105.726
GWC-4A	172	0	87.0185
GWA-3	172	0	87.0185

Cobalt

GWC-10	172	0	87.0185
GWC-10A	172	0	87.0185
GWC-2	172	0	87.0185
GWC-3A	172	0	87.0185
GWC-5	172	0	87.0185
GWC-6	172	0	87.0185
GWC-7	172	0	87.0185
GWC-8	172	0	92.6382
GWC-8A	186.5	14.5	87.0185
GWC-9	172	0	87.0185
GWC-17	172	0	89.6166
GWC-24	172	0	105.726
GWC-14	327.875	155.875	100.48
GWC-3	172	0	96.2026
GWC-14R	172	0	251.201
GWC-8R	172	0	251.201

Individual Well Comparisons at Groupwise 5% Significance Level (0.15625% Significance Level per comparison)

0.15625% Z score is 3.09024
Mean background rank is 172

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	172	0	115.593
GWC-18	172	0	115.593
GWC-19R	200.917	28.9167	115.593
GWC-22	172	0	115.593
GWC-23	172	0	115.593
GWC-23A	172	0	115.593
GWC-15	172	0	115.593
GWC-16A	186.917	14.9167	115.593
GWC-11	172	0	115.593
GWC-12	172	0	115.593
GWC-12A	172	0	115.593
GWC-13	172	0	115.593
GWC-14A	360.5	188.5	115.593
GWC-4	172	0	140.444
GWC-4A	172	0	115.593
GWA-3	172	0	115.593
GWC-10	172	0	115.593
GWC-10A	172	0	115.593
GWC-2	172	0	115.593
GWC-3A	172	0	115.593
GWC-5	172	0	115.593
GWC-6	172	0	115.593
GWC-7	172	0	115.593
GWC-8	172	0	123.058
GWC-8A	186.5	14.5	115.593
GWC-9	172	0	115.593
GWC-17	172	0	119.044
GWC-24	172	0	140.444
GWC-14	327.875	155.875	133.475
GWC-3	172	0	127.793
GWC-14R	172	0	333.688
GWC-8R	172	0	333.688

Kruskal-Wallis Non-Parametric Test

Parameter: Nickel

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks**Background Locations**

Loc. ID	Date	Value	Rank
GWA-1	12/8/2016	ND<10	176
	6/14/2017	ND<10	176
	12/12/2017	ND<10	176
	6/20/2018	ND<10	176
	12/18/2018	ND<10	176
	6/11/2019	ND<10	176
	12/10/2019	ND<10	176
	6/24/2020	ND<10	176
	12/18/2020	ND<10	176
	6/16/2021	ND<10	176
	12/14/2021	ND<10	176
	6/9/2022	ND<10	176

Rank Sum = 2112

Rank Mean = 176

GWA-2	12/9/2016	ND<10	176
	6/16/2017	ND<10	176
	12/12/2017	ND<10	176
	6/20/2018	ND<10	176
	12/18/2018	ND<10	176
	6/12/2019	ND<10	176
	12/12/2019	ND<10	176
	6/23/2020	ND<10	176
	12/18/2020	ND<10	176
	6/16/2021	ND<10	176
	12/14/2021	ND<10	176
	6/9/2022	ND<10	176

Rank Sum = 2112

Rank Mean = 176

Background Rank Sum = 4224

Background Rank Mean = 176

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-1A	12/7/2016	ND<10	176
	6/12/2017	ND<10	176
	12/13/2017	ND<10	176
	6/20/2018	ND<10	176
	12/18/2018	ND<10	176
	6/10/2019	ND<10	176
	12/9/2019	ND<10	176
	6/23/2020	ND<10	176
	12/17/2020	ND<10	176
	6/17/2021	ND<10	176
	12/16/2021	ND<10	176

	6/8/2022	ND<10	176
Rank Sum = 2112			
Rank Mean = 176			

GWC-18	12/7/2016	64	366
	6/15/2017	34	365
	12/14/2017	ND<10	176
	6/20/2018	ND<10	176
	12/19/2018	ND<10	176
	6/12/2019	24	359
	12/10/2019	29.8	363
	6/24/2020	ND<10	176
	12/16/2020	ND<10	176
	6/15/2021	ND<10	176
	12/15/2021	33.7	364
	6/8/2022	ND<20	176

Rank Sum = 3049

Rank Mean = 254.083

GWC-19R	12/7/2016	ND<10	176
	6/15/2017	ND<10	176
	12/14/2017	ND<10	176
	6/20/2018	ND<10	176
	12/19/2018	ND<10	176
	6/12/2019	ND<10	176
	12/10/2019	ND<10	176
	6/24/2020	ND<10	176
	12/16/2020	ND<10	176
	6/15/2021	ND<10	176
	12/15/2021	ND<10	176
	6/7/2022	ND<20	176

Rank Sum = 2112

Rank Mean = 176

GWC-22	12/7/2016	ND<10	176
	6/15/2017	ND<10	176
	12/12/2017	ND<10	176
	6/20/2018	ND<10	176
	12/19/2018	ND<10	176
	6/13/2019	ND<10	176
	12/12/2019	ND<10	176
	6/24/2020	ND<10	176
	12/18/2020	ND<10	176
	6/15/2021	ND<10	176
	12/14/2021	ND<10	176
	6/7/2022	ND<10	176

Rank Sum = 2112

Rank Mean = 176

GWC-23	12/7/2016	ND<10	176
	6/15/2017	ND<10	176
	12/12/2017	ND<10	176
	6/19/2018	ND<10	176
	12/19/2018	ND<10	176
	6/13/2019	ND<10	176
	12/12/2019	ND<10	176
	6/24/2020	ND<10	176

Nickel

12/17/2020	ND<10	176
6/15/2021	ND<10	176
12/14/2021	ND<10	176
6/7/2022	ND<10	176

Rank Sum = 2112
Rank Mean = 176

GWC-23A	12/7/2016	ND<10	176
	6/15/2017	ND<10	176
	12/12/2017	ND<10	176
	6/19/2018	ND<10	176
	12/19/2018	ND<10	176
	6/13/2019	ND<10	176
	12/12/2019	ND<10	176
	6/24/2020	ND<10	176
	12/17/2020	ND<10	176
	6/15/2021	ND<10	176
	12/14/2021	ND<10	176
	6/7/2022	ND<10	176

Rank Sum = 2112
Rank Mean = 176

GWC-15	12/8/2016	ND<10	176
	6/14/2017	ND<10	176
	12/14/2017	ND<10	176
	6/20/2018	ND<10	176
	12/19/2018	ND<10	176
	6/11/2019	ND<10	176
	12/10/2019	ND<10	176
	6/25/2020	ND<10	176
	12/17/2020	ND<10	176
	6/16/2021	ND<10	176
	12/14/2021	ND<10	176
	6/9/2022	ND<10	176

Rank Sum = 2112
Rank Mean = 176

GWC-16A	12/8/2016	ND<10	176
	6/15/2017	ND<10	176
	12/14/2017	ND<10	176
	6/21/2018	ND<10	176
	12/20/2018	ND<10	176
	6/13/2019	ND<10	176
	12/12/2019	ND<10	176
	6/23/2020	ND<10	176
	12/17/2020	ND<10	176
	6/16/2021	ND<10	176
	12/16/2021	ND<10	176
	6/10/2022	ND<20	176

Rank Sum = 2112
Rank Mean = 176

GWC-11	12/8/2016	ND<10	176
	6/15/2017	ND<10	176
	12/14/2017	ND<10	176
	6/20/2018	ND<10	176
	12/20/2018	ND<10	176

Nickel

6/13/2019	ND<10	176
12/13/2019	ND<10	176
6/25/2020	ND<10	176
12/16/2020	ND<10	176
6/16/2021	ND<10	176
12/14/2021	ND<10	176
6/8/2022	ND<10	176

Rank Sum = 2112
Rank Mean = 176

GWC-12	12/8/2016	ND<10	176
	6/15/2017	ND<10	176
	12/14/2017	ND<10	176
	6/20/2018	ND<10	176
	12/20/2018	ND<10	176
	6/12/2019	ND<10	176
	12/10/2019	ND<10	176
	6/25/2020	ND<10	176
	12/22/2020	ND<10	176
	6/16/2021	ND<10	176
	12/14/2021	ND<10	176
	6/8/2022	ND<10	176

Rank Sum = 2112
Rank Mean = 176

GWC-12A	12/8/2016	ND<10	176
	6/15/2017	ND<10	176
	12/14/2017	ND<10	176
	6/20/2018	ND<10	176
	12/20/2018	ND<10	176
	6/12/2019	ND<10	176
	12/10/2019	ND<10	176
	6/25/2020	ND<10	176
	12/16/2020	ND<10	176
	6/16/2021	ND<10	176
	12/14/2021	ND<10	176
	6/8/2022	ND<10	176

Rank Sum = 2112
Rank Mean = 176

GWC-13	12/8/2016	ND<10	176
	6/15/2017	ND<10	176
	12/13/2017	ND<10	176
	6/20/2018	ND<10	176
	12/20/2018	ND<10	176
	6/13/2019	ND<10	176
	12/12/2019	ND<10	176
	6/24/2020	ND<10	176
	12/16/2020	ND<10	176
	6/16/2021	ND<10	176
	12/16/2021	ND<10	176
	6/9/2022	ND<10	176

Rank Sum = 2112
Rank Mean = 176

GWC-14A	12/8/2016	27	362
	6/13/2017	24	360

Nickel

12/13/2017	21	353
6/21/2018	24	361
12/19/2018	20	352
6/12/2019	21	354
12/11/2019	ND<10	176
6/24/2020	22.2	356
12/16/2020	23.6	358
6/16/2021	22.2	357
12/15/2021	ND<10	176
6/10/2022	ND<10	176

Rank Sum = 3741
Rank Mean = 311.75

GWC-4	12/8/2016	ND<10	176
	6/21/2018	ND<10	176
	6/24/2020	ND<10	176
	12/18/2020	ND<10	176
	6/17/2021	ND<10	176
	12/15/2021	ND<10	176
	6/9/2022	ND<10	176

Rank Sum = 1232
Rank Mean = 176

GWC-4A	12/8/2016	ND<10	176
	6/14/2017	ND<10	176
	12/13/2017	ND<10	176
	6/21/2018	ND<10	176
	12/18/2018	ND<10	176
	6/12/2019	22	355
	12/12/2019	ND<10	176
	6/24/2020	ND<10	176
	12/18/2020	ND<10	176
	6/18/2021	ND<10	176
	12/16/2021	ND<10	176
	6/8/2022	ND<10	176

Rank Sum = 2291
Rank Mean = 190.917

GWA-3	12/9/2016	ND<10	176
	6/15/2017	ND<10	176
	12/12/2017	ND<10	176
	6/19/2018	ND<10	176
	12/18/2018	ND<10	176
	6/12/2019	ND<10	176
	12/11/2019	ND<10	176
	6/23/2020	ND<10	176
	12/17/2020	ND<10	176
	6/15/2021	ND<10	176
	12/15/2021	ND<10	176
	6/7/2022	ND<10	176

Rank Sum = 2112
Rank Mean = 176

GWC-10	12/9/2016	ND<10	176
	6/16/2017	ND<10	176
	12/13/2017	ND<10	176
	6/20/2018	ND<10	176

Nickel

12/18/2018	ND<10	176
6/11/2019	ND<10	176
12/13/2019	ND<10	176
6/25/2020	ND<10	176
12/16/2020	ND<10	176
6/16/2021	ND<10	176
12/16/2021	ND<10	176
6/8/2022	ND<10	176

Rank Sum = 2112
Rank Mean = 176

GWC-10A	12/9/2016	ND<10	176
	6/16/2017	ND<10	176
	12/13/2017	ND<10	176
	6/20/2018	ND<10	176
	12/18/2018	ND<10	176
	6/11/2019	ND<10	176
	12/13/2019	ND<10	176
	6/25/2020	ND<10	176
	12/16/2020	ND<10	176
	6/16/2021	ND<10	176
	12/16/2021	ND<10	176
	6/8/2022	ND<10	176

Rank Sum = 2112
Rank Mean = 176

GWC-2	12/9/2016	ND<10	176
	6/16/2017	ND<10	176
	12/14/2017	ND<10	176
	6/21/2018	ND<10	176
	12/20/2018	ND<10	176
	6/13/2019	ND<10	176
	12/11/2019	ND<10	176
	6/23/2020	ND<10	176
	12/17/2020	ND<10	176
	6/16/2021	ND<10	176
	12/16/2021	ND<10	176
	6/8/2022	ND<10	176

Rank Sum = 2112
Rank Mean = 176

GWC-3A	12/9/2016	ND<10	176
	6/16/2017	ND<10	176
	12/13/2017	ND<10	176
	6/21/2018	ND<10	176
	12/18/2018	ND<10	176
	6/12/2019	ND<10	176
	12/11/2019	ND<10	176
	6/25/2020	ND<10	176
	12/17/2020	ND<10	176
	6/15/2021	ND<10	176
	12/16/2021	ND<10	176
	6/8/2022	ND<10	176

Rank Sum = 2112
Rank Mean = 176

GWC-5	12/9/2016	ND<10	176
-------	-----------	-------	-----

Nickel

6/13/2017	ND<10	176
12/13/2017	ND<10	176
6/21/2018	ND<10	176
12/19/2018	ND<10	176
6/13/2019	ND<10	176
12/11/2019	ND<10	176
6/24/2020	ND<10	176
12/18/2020	ND<10	176
6/16/2021	ND<10	176
12/14/2021	ND<10	176
6/9/2022	ND<10	176

Rank Sum = 2112

Rank Mean = 176

GWC-6	12/9/2016	ND<10	176
	6/13/2017	ND<10	176
	12/14/2017	ND<10	176
	6/21/2018	ND<10	176
	12/20/2018	ND<10	176
	6/13/2019	ND<10	176
	12/11/2019	ND<10	176
	6/25/2020	ND<10	176
	12/18/2020	ND<10	176
	6/16/2021	ND<10	176
	12/14/2021	ND<10	176
	6/9/2022	ND<10	176

Rank Sum = 2112

Rank Mean = 176

GWC-7	12/9/2016	ND<10	176
	6/13/2017	ND<10	176
	12/13/2017	ND<10	176
	6/20/2018	ND<10	176
	12/19/2018	ND<10	176
	6/13/2019	ND<10	176
	12/12/2019	ND<10	176
	6/25/2020	ND<10	176
	12/18/2020	ND<10	176
	6/16/2021	ND<10	176
	12/14/2021	ND<10	176
	6/9/2022	ND<10	176

Rank Sum = 2112

Rank Mean = 176

GWC-8	12/9/2016	ND<10	176
	12/13/2017	ND<10	176
	6/21/2018	ND<10	176
	6/13/2019	ND<10	176
	12/12/2019	ND<10	176
	6/24/2020	ND<10	176
	12/17/2020	ND<10	176
	6/17/2021	ND<10	176
	12/16/2021	ND<10	176
	6/10/2022	ND<10	176

Rank Sum = 1760

Rank Mean = 176

Nickel

GWC-8A	12/9/2016	ND<10	176
	6/14/2017	ND<10	176
	12/13/2017	ND<10	176
	6/21/2018	ND<10	176
	12/20/2018	ND<10	176
	6/13/2019	ND<10	176
	12/12/2019	ND<10	176
	6/24/2020	ND<10	176
	12/16/2020	ND<10	176
	6/17/2021	ND<10	176
	12/16/2021	ND<10	176
	6/10/2022	ND<10	176

Rank Sum = 2112

Rank Mean = 176

GWC-9	12/9/2016	ND<10	176
	6/16/2017	ND<10	176
	12/14/2017	ND<10	176
	6/21/2018	ND<10	176
	12/19/2018	ND<10	176
	6/13/2019	ND<10	176
	12/13/2019	ND<10	176
	6/25/2020	ND<10	176
	12/18/2020	ND<10	176
	6/16/2021	ND<10	176
	12/14/2021	ND<10	176
	6/8/2022	ND<10	176

Rank Sum = 2112

Rank Mean = 176

GWC-17	6/15/2017	ND<10	176
	12/13/2017	ND<10	176
	6/20/2018	ND<10	176
	12/20/2018	ND<10	176
	6/13/2019	ND<10	176
	12/11/2019	ND<10	176
	6/24/2020	ND<10	176
	12/16/2020	ND<10	176
	6/15/2021	ND<10	176
	12/15/2021	ND<10	176
	6/10/2022	ND<20	176

Rank Sum = 1936

Rank Mean = 176

GWC-24	6/15/2017	ND<10	176
	6/20/2018	ND<10	176
	6/12/2019	ND<10	176
	12/10/2019	ND<10	176
	6/25/2020	ND<10	176
	6/15/2021	ND<10	176
	6/8/2022	ND<20	176

Rank Sum = 1232

Rank Mean = 176

GWC-14	6/21/2018	ND<10	176
	6/12/2019	ND<10	176
	12/11/2019	ND<10	176

Nickel

6/25/2020	ND<10	176
12/18/2020	ND<10	176
6/16/2021	ND<10	176
12/16/2021	ND<10	176
6/10/2022	ND<10	176

Rank Sum = 1408
Rank Mean = 176

GWC-3	6/21/2018	ND<10	176
	12/18/2018	ND<10	176
	6/12/2019	ND<10	176
	12/11/2019	ND<10	176
	6/25/2020	ND<10	176
	12/17/2020	ND<10	176
	6/16/2021	ND<10	176
	12/16/2021	ND<10	176
	6/8/2022	ND<10	176

Rank Sum = 1584
Rank Mean = 176

GWC-14R	6/9/2022	ND<10	176
---------	----------	-------	-----

Rank Sum = 176
Rank Mean = 176

GWC-8R	6/9/2022	ND<10	176
--------	----------	-------	-----

Rank Sum = 176
Rank Mean = 176

Calculation Results:

Kruskal-Wallis H Statistic = 24.6914
 Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 209.283
 95% Confidence comparison value is 46.1942 at 32 degrees of freedom
 24.6914 < 46.1942 indicating no significant group difference at 5% significance level
 209.283 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 176

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	176	0	87.0185
GWC-18	254.083	78.0833	87.0185
GWC-19R	176	0	87.0185
GWC-22	176	0	87.0185
GWC-23	176	0	87.0185
GWC-23A	176	0	87.0185
GWC-15	176	0	87.0185
GWC-16A	176	0	87.0185
GWC-11	176	0	87.0185
GWC-12	176	0	87.0185
GWC-12A	176	0	87.0185
GWC-13	176	0	87.0185
GWC-14A	311.75	135.75	87.0185
GWC-4	176	0	105.726
GWC-4A	190.917	14.9167	87.0185
GWA-3	176	0	87.0185

Nickel

GWC-10	176	0	87.0185
GWC-10A	176	0	87.0185
GWC-2	176	0	87.0185
GWC-3A	176	0	87.0185
GWC-5	176	0	87.0185
GWC-6	176	0	87.0185
GWC-7	176	0	87.0185
GWC-8	176	0	92.6382
GWC-8A	176	0	87.0185
GWC-9	176	0	87.0185
GWC-17	176	0	89.6166
GWC-24	176	0	105.726
GWC-14	176	0	100.48
GWC-3	176	0	96.2026
GWC-14R	176	0	251.201
GWC-8R	176	0	251.201

Individual Well Comparisons at Groupwise 5% Significance Level (0.15625% Significance Level per comparison)

0.15625% Z score is 3.09024

Mean background rank is 176

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	176	0	115.593
GWC-18	254.083	78.0833	115.593
GWC-19R	176	0	115.593
GWC-22	176	0	115.593
GWC-23	176	0	115.593
GWC-23A	176	0	115.593
GWC-15	176	0	115.593
GWC-16A	176	0	115.593
GWC-11	176	0	115.593
GWC-12	176	0	115.593
GWC-12A	176	0	115.593
GWC-13	176	0	115.593
GWC-14A	311.75	135.75	115.593
GWC-4	176	0	140.444
GWC-4A	190.917	14.9167	115.593
GWA-3	176	0	115.593
GWC-10	176	0	115.593
GWC-10A	176	0	115.593
GWC-2	176	0	115.593
GWC-3A	176	0	115.593
GWC-5	176	0	115.593
GWC-6	176	0	115.593
GWC-7	176	0	115.593
GWC-8	176	0	123.058
GWC-8A	176	0	115.593
GWC-9	176	0	115.593
GWC-17	176	0	119.044
GWC-24	176	0	140.444
GWC-14	176	0	133.475
GWC-3	176	0	127.793
GWC-14R	176	0	333.688
GWC-8R	176	0	333.688

Kruskal-Wallis Non-Parametric Test**Parameter: Zinc**

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks**Background Locations**

Loc. ID	Date	Value	Rank
GWA-1	12/8/2016	20	264
	6/14/2017	23	280
	12/12/2017	38	329
	6/20/2018	48	349
	12/18/2018	44	344
	6/11/2019	42	340
	12/10/2019	30.4	319
	6/24/2020	30.7	320
	12/18/2020	21.1	275
	6/16/2021	21.6	276
	12/14/2021	22.3	279
	6/9/2022	30.8	321

Rank Sum = 3696

Rank Mean = 308

GWA-2	12/9/2016	ND<10	132
	6/16/2017	ND<10	132
	12/12/2017	ND<10	132
	6/20/2018	ND<10	132
	12/18/2018	ND<10	132
	6/12/2019	30	317
	12/12/2019	25.9	301
	6/23/2020	ND<10	132
	12/18/2020	ND<10	132
	6/16/2021	ND<10	132
	12/14/2021	ND<10	132
	6/9/2022	ND<10	132

Rank Sum = 1938

Rank Mean = 161.5

Background Rank Sum = 5634

Background Rank Mean = 234.75

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-1A	12/7/2016	ND<10	132
	6/12/2017	ND<10	132
	12/13/2017	24	287
	6/20/2018	ND<10	132
	12/18/2018	ND<10	132
	6/10/2019	ND<10	132
	12/9/2019	ND<10	132
	6/23/2020	ND<10	132
	12/17/2020	ND<10	132
	6/17/2021	ND<10	132
	12/16/2021	ND<10	132

6/8/2022 ND<10 132
 Rank Sum = 1739
 Rank Mean = 144.917

GWC-18	12/7/2016	49	350
	6/15/2017	21	272
	12/14/2017	29	316
	6/20/2018	ND<10	132
	12/19/2018	26	302
	6/12/2019	ND<10	132
	12/10/2019	38.7	333
	6/24/2020	ND<10	132
	12/16/2020	ND<10	132
	6/15/2021	ND<10	132
	12/15/2021	ND<10	132
	6/8/2022	ND<10	132

Rank Sum = 2497

Rank Mean = 208.083

GWC-19R	12/7/2016	ND<10	132
	6/15/2017	ND<10	132
	12/14/2017	ND<10	132
	6/20/2018	21	273
	12/19/2018	ND<10	132
	6/12/2019	ND<10	132
	12/10/2019	ND<10	132
	6/24/2020	ND<10	132
	12/16/2020	ND<10	132
	6/15/2021	ND<10	132
	12/15/2021	ND<10	132
	6/7/2022	ND<10	132

Rank Sum = 1725

Rank Mean = 143.75

GWC-22	12/7/2016	ND<10	132
	6/15/2017	ND<10	132
	12/12/2017	ND<10	132
	6/20/2018	21	274
	12/19/2018	ND<10	132
	6/13/2019	ND<10	132
	12/12/2019	ND<10	132
	6/24/2020	ND<10	132
	12/18/2020	ND<10	132
	6/15/2021	ND<10	132
	12/14/2021	ND<10	132
	6/7/2022	ND<10	132

Rank Sum = 1726

Rank Mean = 143.833

GWC-23	12/7/2016	ND<10	132
	6/15/2017	ND<10	132
	12/12/2017	ND<10	132
	6/19/2018	ND<10	132
	12/19/2018	ND<10	132
	6/13/2019	ND<10	132
	12/12/2019	ND<10	132
	6/24/2020	ND<10	132

Zinc

12/17/2020	ND<10	132
6/15/2021	ND<10	132
12/14/2021	ND<10	132
6/7/2022	ND<10	132

Rank Sum = 1584

Rank Mean = 132

GWC-23A	12/7/2016	ND<10	132
	6/15/2017	ND<10	132
	12/12/2017	ND<10	132
	6/19/2018	ND<10	132
	12/19/2018	ND<10	132
	6/13/2019	ND<10	132
	12/12/2019	31.6	323
	6/24/2020	ND<10	132
	12/17/2020	ND<10	132
	6/15/2021	ND<10	132
	12/14/2021	ND<10	132
	6/7/2022	ND<10	132

Rank Sum = 1775

Rank Mean = 147.917

GWC-15	12/8/2016	ND<10	132
	6/14/2017	90	364
	12/14/2017	60	354
	6/20/2018	56	353
	12/19/2018	ND<10	132
	6/11/2019	ND<10	132
	12/10/2019	ND<10	132
	6/25/2020	ND<10	132
	12/17/2020	ND<10	132
	6/16/2021	ND<10	132
	12/14/2021	ND<10	132
	6/9/2022	24.9	295

Rank Sum = 2422

Rank Mean = 201.833

GWC-16A	12/8/2016	ND<10	132
	6/15/2017	79	361
	12/14/2017	ND<10	132
	6/21/2018	44	345
	12/20/2018	ND<10	132
	6/13/2019	ND<10	132
	12/12/2019	ND<10	132
	6/23/2020	ND<10	132
	12/17/2020	ND<10	132
	6/16/2021	ND<10	132
	12/16/2021	ND<10	132
	6/10/2022	34.1	328

Rank Sum = 2222

Rank Mean = 185.167

GWC-11	12/8/2016	ND<10	132
	6/15/2017	ND<10	132
	12/14/2017	ND<10	132
	6/20/2018	26	303
	12/20/2018	ND<10	132

Zinc

6/13/2019	34	325
12/13/2019	23.3	285
6/25/2020	40	335
12/16/2020	ND<10	132
6/16/2021	ND<10	132
12/14/2021	ND<10	132
6/8/2022	ND<10	132

Rank Sum = 2304

Rank Mean = 192

GWC-12	12/8/2016	ND<10	132
	6/15/2017	ND<10	132
	12/14/2017	ND<10	132
	6/20/2018	ND<10	132
	12/20/2018	ND<10	132
	6/12/2019	ND<10	132
	12/10/2019	ND<10	132
	6/25/2020	ND<10	132
	12/22/2020	ND<10	132
	6/16/2021	ND<10	132
	12/14/2021	ND<10	132
	6/8/2022	ND<10	132

Rank Sum = 1584

Rank Mean = 132

GWC-12A	12/8/2016	20	265
	6/15/2017	ND<10	132
	12/14/2017	ND<10	132
	6/20/2018	26	304
	12/20/2018	ND<10	132
	6/12/2019	ND<10	132
	12/10/2019	ND<10	132
	6/25/2020	ND<10	132
	12/16/2020	ND<10	132
	6/16/2021	ND<10	132
	12/14/2021	ND<10	132
	6/8/2022	ND<10	132

Rank Sum = 1889

Rank Mean = 157.417

GWC-13	12/8/2016	ND<10	132
	6/15/2017	ND<10	132
	12/13/2017	ND<10	132
	6/20/2018	ND<10	132
	12/20/2018	ND<10	132
	6/13/2019	ND<10	132
	12/12/2019	23.6	286
	6/24/2020	ND<10	132
	12/16/2020	ND<10	132
	6/16/2021	ND<10	132
	12/16/2021	ND<10	132
	6/9/2022	ND<10	132

Rank Sum = 1738

Rank Mean = 144.833

GWC-14A	12/8/2016	ND<10	132
	6/13/2017	ND<10	132

Zinc

12/13/2017	ND<10	132
6/21/2018	20	266
12/19/2018	ND<10	132
6/12/2019	ND<10	132
12/11/2019	ND<10	132
6/24/2020	ND<10	132
12/16/2020	ND<10	132
6/16/2021	ND<10	132
12/15/2021	26	305
6/10/2022	ND<10	132

Rank Sum = 1891
Rank Mean = 157.583

GWC-4	12/8/2016	ND<10	132
	6/21/2018	25	296
	6/24/2020	ND<10	132
	12/18/2020	ND<10	132
	6/17/2021	43.2	343
	12/15/2021	ND<10	132
	6/9/2022	39.4	334

Rank Sum = 1501
Rank Mean = 214.429

GWC-4A	12/8/2016	ND<10	132
	6/14/2017	ND<10	132
	12/13/2017	25	297
	6/21/2018	ND<10	132
	12/18/2018	ND<10	132
	6/12/2019	23	281
	12/12/2019	50	352
	6/24/2020	ND<10	132
	12/18/2020	ND<10	132
	6/18/2021	ND<10	132
	12/16/2021	ND<10	132
	6/8/2022	24.5	293

Rank Sum = 2279
Rank Mean = 189.917

GWA-3	12/9/2016	ND<10	132
	6/15/2017	ND<10	132
	12/12/2017	ND<10	132
	6/19/2018	41	336
	12/18/2018	ND<10	132
	6/12/2019	ND<10	132
	12/11/2019	71.5	358
	6/23/2020	20.3	270
	12/17/2020	ND<10	132
	6/15/2021	ND<10	132
	12/15/2021	ND<10	132
	6/7/2022	ND<10	132

Rank Sum = 2152
Rank Mean = 179.333

GWC-10	12/9/2016	23	282
	6/16/2017	ND<10	132
	12/13/2017	28	313
	6/20/2018	41	337

Zinc

12/18/2018	22	277
6/11/2019	24	288
12/13/2019	86.4	363
6/25/2020	27.9	312
12/16/2020	ND<10	132
6/16/2021	ND<10	132
12/16/2021	ND<10	132
6/8/2022	ND<10	132

Rank Sum = 2832
Rank Mean = 236

GWC-10A	12/9/2016	ND<10	132
	6/16/2017	ND<10	132
	12/13/2017	ND<10	132
	6/20/2018	ND<10	132
	12/18/2018	38	330
	6/11/2019	ND<10	132
	12/13/2019	31.2	322
	6/25/2020	ND<10	132
	12/16/2020	ND<10	132
	6/16/2021	ND<10	132
	12/16/2021	ND<10	132
	6/8/2022	ND<10	132

Rank Sum = 1972
Rank Mean = 164.333

GWC-2	12/9/2016	ND<10	132
	6/16/2017	ND<10	132
	12/14/2017	ND<10	132
	6/21/2018	ND<10	132
	12/20/2018	23	283
	6/13/2019	28	314
	12/11/2019	25	298
	6/23/2020	27.8	311
	12/17/2020	ND<10	132
	6/16/2021	ND<10	132
	12/16/2021	ND<10	132
	6/8/2022	ND<10	132

Rank Sum = 2262
Rank Mean = 188.5

GWC-3A	12/9/2016	ND<10	132
	6/16/2017	34	326
	12/13/2017	ND<10	132
	6/21/2018	ND<10	132
	12/18/2018	ND<10	132
	6/12/2019	24	289
	12/11/2019	28.8	315
	6/25/2020	33.1	324
	12/17/2020	ND<10	132
	6/15/2021	20.6	271
	12/16/2021	ND<10	132
	6/8/2022	ND<10	132

Rank Sum = 2449
Rank Mean = 204.083

GWC-5	12/9/2016	ND<10	132
-------	-----------	-------	-----

Zinc

6/13/2017	20	267
12/13/2017	ND<10	132
6/21/2018	ND<10	132
12/19/2018	26	306
6/13/2019	ND<10	132
12/11/2019	38.3	332
6/24/2020	ND<10	132
12/18/2020	ND<10	132
6/16/2021	ND<10	132
12/14/2021	ND<10	132
6/9/2022	27.2	309

Rank Sum = 2270

Rank Mean = 189.167

GWC-6	12/9/2016	ND<10	132
	6/13/2017	ND<10	132
	12/14/2017	ND<10	132
	6/21/2018	ND<10	132
	12/20/2018	ND<10	132
	6/13/2019	ND<10	132
	12/11/2019	ND<10	132
	6/25/2020	ND<10	132
	12/18/2020	ND<10	132
	6/16/2021	79	362
	12/14/2021	ND<10	132
	6/9/2022	ND<10	132

Rank Sum = 1814

Rank Mean = 151.167

GWC-7	12/9/2016	ND<10	132
	6/13/2017	20	268
	12/13/2017	ND<10	132
	6/20/2018	30	318
	12/19/2018	110	365
	6/13/2019	23	284
	12/12/2019	42.2	342
	6/25/2020	ND<10	132
	12/18/2020	ND<10	132
	6/16/2021	ND<10	132
	12/14/2021	ND<10	132
	6/9/2022	24	290

Rank Sum = 2659

Rank Mean = 221.583

GWC-8	12/9/2016	26	307
	12/13/2017	ND<10	132
	6/21/2018	ND<10	132
	6/13/2019	ND<10	132
	12/12/2019	ND<10	132
	6/24/2020	ND<10	132
	12/17/2020	ND<10	132
	6/17/2021	ND<10	132
	12/16/2021	ND<10	132
	6/10/2022	ND<10	132

Rank Sum = 1495

Rank Mean = 149.5

Zinc

GWC-8A	12/9/2016	ND<10	132
	6/14/2017	ND<10	132
	12/13/2017	ND<10	132
	6/21/2018	34	327
	12/20/2018	42	341
	6/13/2019	ND<10	132
	12/12/2019	ND<10	132
	6/24/2020	ND<10	132
	12/16/2020	ND<10	132
	6/17/2021	ND<10	132
	12/16/2021	ND<10	132
	6/10/2022	ND<10	132

Rank Sum = 1988

Rank Mean = 165.667

GWC-9	12/9/2016	140	366
	6/16/2017	73	359
	12/14/2017	46	348
	6/21/2018	45	346
	12/19/2018	38	331
	6/13/2019	60	355
	12/13/2019	78	360
	6/25/2020	45.9	347
	12/18/2020	41.9	339
	6/16/2021	41.8	338
	12/14/2021	49.9	351
	6/8/2022	68.7	357

Rank Sum = 4197

Rank Mean = 349.75

GWC-17	6/15/2017	20	269
	12/13/2017	ND<10	132
	6/20/2018	ND<10	132
	12/20/2018	27	308
	6/13/2019	24	291
	12/11/2019	ND<10	132
	6/24/2020	ND<10	132
	12/16/2020	ND<10	132
	6/15/2021	ND<10	132
	12/15/2021	ND<10	132
	6/10/2022	ND<10	132

Rank Sum = 1924

Rank Mean = 174.909

GWC-24	6/15/2017	ND<10	132
	6/20/2018	ND<10	132
	6/12/2019	ND<10	132
	12/10/2019	24	292
	6/25/2020	ND<10	132
	6/15/2021	ND<10	132
	6/8/2022	ND<10	132

Rank Sum = 1084

Rank Mean = 154.857

GWC-14	6/21/2018	67	356
	6/12/2019	ND<10	132
	12/11/2019	27.7	310

Zinc

6/25/2020	25.3	300
12/18/2020	ND<10	132
6/16/2021	ND<10	132
12/16/2021	ND<10	132
6/10/2022	22.1	278

Rank Sum = 1772
Rank Mean = 221.5

GWC-3	6/21/2018	ND<10	132
	12/18/2018	ND<10	132
	6/12/2019	ND<10	132
	12/11/2019	ND<10	132
	6/25/2020	ND<10	132
	12/17/2020	ND<10	132
	6/16/2021	ND<10	132
	12/16/2021	ND<10	132
	6/8/2022	25.1	299

Rank Sum = 1355
Rank Mean = 150.556

GWC-14R	6/9/2022	ND<10	132
---------	----------	-------	-----

Rank Sum = 132
Rank Mean = 132

GWC-8R	6/9/2022	24.6	294
--------	----------	------	-----

Rank Sum = 294
Rank Mean = 294

Calculation Results:

Kruskal-Wallis H Statistic = 63.8161
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 101.463
95% Confidence comparison value is 46.1942 at 32 degrees of freedom
63.8161 > 46.1942 indicating a significant group difference at 5% significance level
101.463 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634
Mean background rank is 234.75

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	144.917	-89.8333	87.0185
GWC-18	208.083	-26.6667	87.0185
GWC-19R	143.75	-91	87.0185
GWC-22	143.833	-90.9167	87.0185
GWC-23	132	-102.75	87.0185
GWC-23A	147.917	-86.8333	87.0185
GWC-15	201.833	-32.9167	87.0185
GWC-16A	185.167	-49.5833	87.0185
GWC-11	192	-42.75	87.0185
GWC-12	132	-102.75	87.0185
GWC-12A	157.417	-77.3333	87.0185
GWC-13	144.833	-89.9167	87.0185
GWC-14A	157.583	-77.1667	87.0185
GWC-4	214.429	-20.3214	105.726
GWC-4A	189.917	-44.8333	87.0185
GWA-3	179.333	-55.4167	87.0185

Zinc

GWC-10	236	1.25	87.0185
GWC-10A	164.333	-70.4167	87.0185
GWC-2	188.5	-46.25	87.0185
GWC-3A	204.083	-30.6667	87.0185
GWC-5	189.167	-45.5833	87.0185
GWC-6	151.167	-83.5833	87.0185
GWC-7	221.583	-13.1667	87.0185
GWC-8	149.5	-85.25	92.6382
GWC-8A	165.667	-69.0833	87.0185
GWC-9	349.75	115	87.0185
GWC-17	174.909	-59.8409	89.6166
GWC-24	154.857	-79.8929	105.726
GWC-14	221.5	-13.25	100.48
GWC-3	150.556	-84.1944	96.2026
GWC-14R	132	-102.75	251.201
GWC-8R	294	59.25	251.201

Individual Well Comparisons at Groupwise 5% Significance Level (0.15625% Significance Level per comparison)

0.15625% Z score is 3.09024
Mean background rank is 234.75

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	144.917	-89.8333	115.593
GWC-18	208.083	-26.6667	115.593
GWC-19R	143.75	-91	115.593
GWC-22	143.833	-90.9167	115.593
GWC-23	132	-102.75	115.593
GWC-23A	147.917	-86.8333	115.593
GWC-15	201.833	-32.9167	115.593
GWC-16A	185.167	-49.5833	115.593
GWC-11	192	-42.75	115.593
GWC-12	132	-102.75	115.593
GWC-12A	157.417	-77.3333	115.593
GWC-13	144.833	-89.9167	115.593
GWC-14A	157.583	-77.1667	115.593
GWC-4	214.429	-20.3214	140.444
GWC-4A	189.917	-44.8333	115.593
GWA-3	179.333	-55.4167	115.593
GWC-10	236	1.25	115.593
GWC-10A	164.333	-70.4167	115.593
GWC-2	188.5	-46.25	115.593
GWC-3A	204.083	-30.6667	115.593
GWC-5	189.167	-45.5833	115.593
GWC-6	151.167	-83.5833	115.593
GWC-7	221.583	-13.1667	115.593
GWC-8	149.5	-85.25	123.058
GWC-8A	165.667	-69.0833	115.593
GWC-9	349.75	115	115.593
GWC-17	174.909	-59.8409	119.044
GWC-24	154.857	-79.8929	140.444
GWC-14	221.5	-13.25	133.475
GWC-3	150.556	-84.1944	127.793
GWC-14R	132	-102.75	333.688
GWC-8R	294	59.25	333.688

**STATISTICAL ANALYSIS:
Non-Parametric Tolerance Interval Test**

Forsyth County - Hightower Road MSWLF - Phase I
 First 2022 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
1,1-Dichloroethane	PH1-GWA-1	FALSE	96%
1,1-Dichloroethane	PH1-GWA-1A	FALSE	96%
1,1-Dichloroethane	PH1-GWA-2	FALSE	96%
1,1-Dichloroethane	PH1-GWB-1	FALSE	96%
1,1-Dichloroethane	PH1-GWC-2	FALSE	96%
1,1-Dichloroethane	GWC-1	FALSE	96%
1,1-Dichloroethane	PH1-GWB-2	FALSE	96%
1,1-Dichloroethane	PH1-GWC-1	FALSE	96%
1,1-Dichloroethane	PH1-GWC-3	TRUE	96%
1,1-Dichloroethane	PH1-GWC-3A	TRUE	96%
1,1-Dichloroethane	PH1-GWC-4	FALSE	96%
cis-1,2-Dichloroethene	PH1-GWA-1	TRUE	96%
cis-1,2-Dichloroethene	PH1-GWA-1A	FALSE	96%
cis-1,2-Dichloroethene	PH1-GWA-2	TRUE	96%
cis-1,2-Dichloroethene	PH1-GWB-1	FALSE	96%
cis-1,2-Dichloroethene	PH1-GWC-2	TRUE	96%
cis-1,2-Dichloroethene	GWC-1	FALSE	96%
cis-1,2-Dichloroethene	PH1-GWB-2	FALSE	96%
cis-1,2-Dichloroethene	PH1-GWC-1	FALSE	96%
cis-1,2-Dichloroethene	PH1-GWC-3	TRUE	96%
cis-1,2-Dichloroethene	PH1-GWC-3A	TRUE	96%
cis-1,2-Dichloroethene	PH1-GWC-4	FALSE	96%
Tetrachloroethene	PH1-GWA-1	FALSE	96%
Tetrachloroethene	PH1-GWA-1A	FALSE	96%
Tetrachloroethene	PH1-GWA-2	FALSE	96%
Tetrachloroethene	PH1-GWB-1	FALSE	96%
Tetrachloroethene	PH1-GWC-2	TRUE	96%
Tetrachloroethene	GWC-1	FALSE	96%
Tetrachloroethene	PH1-GWB-2	FALSE	96%
Tetrachloroethene	PH1-GWC-1	FALSE	96%
Tetrachloroethene	PH1-GWC-3	TRUE	96%
Tetrachloroethene	PH1-GWC-3A	TRUE	96%
Tetrachloroethene	PH1-GWC-4	FALSE	96%
Trichloroethene	PH1-GWA-1	FALSE	96%
Trichloroethene	PH1-GWA-1A	FALSE	96%
Trichloroethene	PH1-GWA-2	FALSE	96%
Trichloroethene	PH1-GWB-1	FALSE	96%
Trichloroethene	PH1-GWC-2	TRUE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

Forsyth County - Hightower Road MSWLF - Phase I
 First 2022 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Trichloroethene	GWC-1	FALSE	96%
Trichloroethene	PH1-GWB-2	FALSE	96%
Trichloroethene	PH1-GWC-1	FALSE	96%
Trichloroethene	PH1-GWC-3	TRUE	96%
Trichloroethene	PH1-GWC-3A	TRUE	96%
Trichloroethene	PH1-GWC-4	FALSE	96%
Barium	PH1-GWA-1A	FALSE	96%
Barium	PH1-GWC-2	FALSE	96%
Barium	PH1-GWA-1	FALSE	96%
Barium	PH1-GWA-2	TRUE	96%
Barium	PH1-GWB-1	TRUE	96%
Barium	GWC-1	TRUE	96%
Barium	PH1-GWB-2	FALSE	96%
Barium	PH1-GWC-1	TRUE	96%
Barium	PH1-GWC-3	FALSE	96%
Barium	PH1-GWC-3A	FALSE	96%
Barium	PH1-GWC-4	FALSE	96%
Chromium	PH1-GWA-1A	Passed KW	96%
Chromium	PH1-GWC-2	Passed KW	96%
Chromium	PH1-GWA-1	FALSE	96%
Chromium	PH1-GWA-2	FALSE	96%
Chromium	PH1-GWB-1	FALSE	96%
Chromium	GWC-1	FALSE	96%
Chromium	PH1-GWB-2	FALSE	96%
Chromium	PH1-GWC-1	FALSE	96%
Chromium	PH1-GWC-3	FALSE	96%
Chromium	PH1-GWC-3A	FALSE	96%
Chromium	PH1-GWC-4	FALSE	96%
Cobalt	PH1-GWA-1A	FALSE	96%
Cobalt	PH1-GWC-2	FALSE	96%
Cobalt	PH1-GWA-1	TRUE	96%
Cobalt	PH1-GWA-2	FALSE	96%
Cobalt	PH1-GWB-1	FALSE	96%
Cobalt	GWC-1	FALSE	96%
Cobalt	PH1-GWB-2	FALSE	96%
Cobalt	PH1-GWC-1	FALSE	96%
Cobalt	PH1-GWC-3	FALSE	96%
Cobalt	PH1-GWC-3A	FALSE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

Forsyth County - Hightower Road MSWLF - Phase I
 First 2022 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Cobalt	PH1-GWC-4	FALSE	96%
Zinc	PH1-GWA-1A	FALSE	96%
Zinc	PH1-GWC-2	FALSE	96%
Zinc	PH1-GWA-1	FALSE	96%
Zinc	PH1-GWA-2	FALSE	96%
Zinc	PH1-GWB-1	FALSE	96%
Zinc	GWC-1	FALSE	96%
Zinc	PH1-GWB-2	FALSE	96%
Zinc	PH1-GWC-1	FALSE	96%
Zinc	PH1-GWC-3	FALSE	96%
Zinc	PH1-GWC-3A	FALSE	96%
Zinc	PH1-GWC-4	FALSE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

1,1-Dichloroethane

Non-Parametric Tolerance Interval

Parameter: 1,1-Dichloroethane

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 78.7097%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
PH1-GWA-1	12/7/2016	ND<2	FALSE
PH1-GWA-1	6/13/2017	ND<2	FALSE
PH1-GWA-1	12/13/2017	ND<2	FALSE
PH1-GWA-1	6/19/2018	ND<2	FALSE
PH1-GWA-1	12/18/2018	ND<2	FALSE
PH1-GWA-1	6/10/2019	ND<2	FALSE
PH1-GWA-1	12/9/2019	ND<2	FALSE
PH1-GWA-1	6/22/2020	ND<2	FALSE
PH1-GWA-1	12/15/2020	ND<2	FALSE
PH1-GWA-1	6/15/2021	ND<2	FALSE
PH1-GWA-1	12/13/2021	ND<2	FALSE
PH1-GWA-1	6/8/2022	ND<2	FALSE

PH1-GWA-1A	12/7/2016	ND<2	FALSE
PH1-GWA-1A	6/12/2017	ND<2	FALSE
PH1-GWA-1A	12/13/2017	ND<2	FALSE
PH1-GWA-1A	6/19/2018	ND<2	FALSE
PH1-GWA-1A	12/18/2018	ND<2	FALSE
PH1-GWA-1A	6/10/2019	ND<2	FALSE
PH1-GWA-1A	12/10/2019	ND<2	FALSE
PH1-GWA-1A	6/22/2020	ND<2	FALSE
PH1-GWA-1A	12/18/2020	ND<2	FALSE
PH1-GWA-1A	6/15/2021	ND<2	FALSE
PH1-GWA-1A	12/13/2021	ND<2	FALSE
PH1-GWA-1A	6/8/2022	ND<2	FALSE

PH1-GWA-2	12/7/2016	ND<2	FALSE
PH1-GWA-2	6/15/2017	ND<2	FALSE
PH1-GWA-2	12/13/2017	ND<2	FALSE
PH1-GWA-2	6/18/2018	ND<2	FALSE
PH1-GWA-2	12/18/2018	ND<2	FALSE
PH1-GWA-2	6/11/2019	ND<2	FALSE
PH1-GWA-2	12/9/2019	ND<2	FALSE
PH1-GWA-2	6/24/2020	ND<2	FALSE
PH1-GWA-2	12/15/2020	ND<2	FALSE
PH1-GWA-2	6/16/2021	ND<2	FALSE
PH1-GWA-2	12/14/2021	ND<2	FALSE
PH1-GWA-2	6/7/2022	ND<2	FALSE

PH1-GWB-1	12/7/2016	ND<2	FALSE
PH1-GWB-1	6/15/2017	ND<2	FALSE

1,1-Dichloroethane

PH1-GWB-1	12/12/2017	ND<2	FALSE
PH1-GWB-1	6/18/2018	ND<2	FALSE
PH1-GWB-1	12/17/2018	ND<2	FALSE
PH1-GWB-1	6/11/2019	ND<2	FALSE
PH1-GWB-1	12/10/2019	ND<2	FALSE
PH1-GWB-1	6/24/2020	ND<2	FALSE
PH1-GWB-1	12/17/2020	ND<2	FALSE
PH1-GWB-1	6/14/2021	ND<2	FALSE
PH1-GWB-1	12/13/2021	ND<2	FALSE
PH1-GWB-1	6/7/2022	ND<2	FALSE

PH1-GWC-2	12/7/2016	3.2	TRUE
PH1-GWC-2	6/13/2017	3	TRUE
PH1-GWC-2	12/13/2017	3.4	TRUE
PH1-GWC-2	6/19/2018	ND<2	FALSE
PH1-GWC-2	12/18/2018	2.8	TRUE
PH1-GWC-2	6/10/2019	3	TRUE
PH1-GWC-2	12/10/2019	3.7	TRUE
PH1-GWC-2	6/22/2020	3.1	TRUE
PH1-GWC-2	12/17/2020	3.8	TRUE
PH1-GWC-2	6/17/2021	3	TRUE
PH1-GWC-2	12/14/2021	2.9	TRUE
PH1-GWC-2	6/8/2022	ND<2	FALSE

GWC-1	12/8/2016	ND<2	FALSE
GWC-1	6/13/2017	ND<2	FALSE
GWC-1	12/13/2017	ND<2	FALSE
GWC-1	6/19/2018	ND<2	FALSE
GWC-1	12/17/2018	ND<2	FALSE
GWC-1	6/13/2019	ND<2	FALSE
GWC-1	12/10/2019	ND<2	FALSE
GWC-1	6/22/2020	ND<2	FALSE
GWC-1	12/16/2020	ND<2	FALSE
GWC-1	6/15/2021	ND<2	FALSE
GWC-1	12/15/2021	ND<2	FALSE
GWC-1	6/7/2022	ND<2	FALSE

PH1-GWB-2	12/8/2016	ND<2	FALSE
PH1-GWB-2	6/15/2017	ND<2	FALSE
PH1-GWB-2	12/11/2017	ND<2	FALSE
PH1-GWB-2	6/19/2018	ND<2	FALSE
PH1-GWB-2	12/17/2018	ND<2	FALSE
PH1-GWB-2	6/12/2019	ND<2	FALSE
PH1-GWB-2	12/12/2019	ND<2	FALSE
PH1-GWB-2	6/24/2020	ND<2	FALSE
PH1-GWB-2	12/17/2020	ND<2	FALSE
PH1-GWB-2	6/16/2021	ND<2	FALSE
PH1-GWB-2	12/13/2021	ND<2	FALSE
PH1-GWB-2	6/9/2022	ND<2	FALSE

PH1-GWC-1	12/8/2016	ND<2	FALSE
PH1-GWC-1	6/15/2017	ND<2	FALSE
PH1-GWC-1	12/11/2017	ND<2	FALSE

1,1-Dichloroethane

PH1-GWC-1	6/19/2018	ND<2	FALSE
PH1-GWC-1	12/19/2018	ND<2	FALSE
PH1-GWC-1	6/13/2019	ND<2	FALSE
PH1-GWC-1	12/11/2019	ND<2	FALSE
PH1-GWC-1	6/22/2020	ND<2	FALSE
PH1-GWC-1	12/17/2020	ND<2	FALSE
PH1-GWC-1	6/16/2021	ND<2	FALSE
PH1-GWC-1	12/15/2021	ND<2	FALSE
PH1-GWC-1	6/9/2022	ND<2	FALSE

PH1-GWC-3	12/8/2016	3.6	TRUE
PH1-GWC-3	6/13/2017	2.7	TRUE
PH1-GWC-3	12/12/2017	3.6	TRUE
PH1-GWC-3	6/19/2018	3.2	TRUE
PH1-GWC-3	12/18/2018	2.7	TRUE
PH1-GWC-3	6/10/2019	3.3	TRUE
PH1-GWC-3	12/9/2019	4	TRUE
PH1-GWC-3	6/22/2020	2.9	TRUE
PH1-GWC-3	12/15/2020	3.6	TRUE
PH1-GWC-3	6/14/2021	3.4	TRUE
PH1-GWC-3	12/14/2021	3.2	TRUE
PH1-GWC-3	6/7/2022	3.2	TRUE

PH1-GWC-3A	12/8/2016	2.8	TRUE
PH1-GWC-3A	6/13/2017	2	FALSE
PH1-GWC-3A	12/12/2017	2.6	TRUE
PH1-GWC-3A	6/19/2018	2.6	TRUE
PH1-GWC-3A	12/18/2018	2.3	TRUE
PH1-GWC-3A	6/10/2019	2.5	TRUE
PH1-GWC-3A	12/9/2019	3.1	TRUE
PH1-GWC-3A	6/26/2020	ND<2	FALSE
PH1-GWC-3A	12/15/2020	3	TRUE
PH1-GWC-3A	6/14/2021	2.8	TRUE
PH1-GWC-3A	12/14/2021	2.3	TRUE
PH1-GWC-3A	6/7/2022	3.1	TRUE

PH1-GWC-4	12/8/2016	ND<2	FALSE
PH1-GWC-4	6/15/2017	ND<2	FALSE
PH1-GWC-4	12/11/2017	ND<2	FALSE
PH1-GWC-4	6/19/2018	ND<2	FALSE
PH1-GWC-4	12/19/2018	ND<2	FALSE
PH1-GWC-4	6/13/2019	ND<2	FALSE
PH1-GWC-4	6/22/2020	ND<2	FALSE
PH1-GWC-4	12/17/2020	ND<2	FALSE
PH1-GWC-4	6/16/2021	ND<2	FALSE
PH1-GWC-4	12/15/2021	ND<2	FALSE
PH1-GWC-4	6/6/2022	ND<2	FALSE

cis-1,2-Dichloroethene

Non-Parametric Tolerance Interval

Parameter: cis-1,2-Dichloroethene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 60.6452%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
PH1-GWA-1	12/7/2016	5	TRUE
PH1-GWA-1	6/13/2017	5.2	TRUE
PH1-GWA-1	12/13/2017	3.5	TRUE
PH1-GWA-1	6/19/2018	3.1	TRUE
PH1-GWA-1	12/18/2018	2.4	TRUE
PH1-GWA-1	6/10/2019	5.2	TRUE
PH1-GWA-1	12/9/2019	3.7	TRUE
PH1-GWA-1	6/22/2020	4	TRUE
PH1-GWA-1	12/15/2020	4.3	TRUE
PH1-GWA-1	6/15/2021	5.8	TRUE
PH1-GWA-1	12/13/2021	4.1	TRUE
PH1-GWA-1	6/8/2022	2.3	TRUE

PH1-GWA-1A	12/7/2016	ND<2	FALSE
PH1-GWA-1A	6/12/2017	ND<2	FALSE
PH1-GWA-1A	12/13/2017	ND<2	FALSE
PH1-GWA-1A	6/19/2018	ND<2	FALSE
PH1-GWA-1A	12/18/2018	ND<2	FALSE
PH1-GWA-1A	6/10/2019	ND<2	FALSE
PH1-GWA-1A	12/10/2019	ND<2	FALSE
PH1-GWA-1A	6/22/2020	ND<2	FALSE
PH1-GWA-1A	12/18/2020	ND<2	FALSE
PH1-GWA-1A	6/15/2021	ND<2	FALSE
PH1-GWA-1A	12/13/2021	ND<2	FALSE
PH1-GWA-1A	6/8/2022	ND<2	FALSE

PH1-GWA-2	12/7/2016	70	TRUE
PH1-GWA-2	6/15/2017	49	TRUE
PH1-GWA-2	12/13/2017	64	TRUE
PH1-GWA-2	6/18/2018	46	TRUE
PH1-GWA-2	12/18/2018	55	TRUE
PH1-GWA-2	6/11/2019	26	TRUE
PH1-GWA-2	12/9/2019	120	TRUE
PH1-GWA-2	6/24/2020	42	TRUE
PH1-GWA-2	12/15/2020	52	TRUE
PH1-GWA-2	6/16/2021	34	TRUE
PH1-GWA-2	12/14/2021	35	TRUE
PH1-GWA-2	6/7/2022	26	TRUE

PH1-GWB-1	12/7/2016	ND<2	FALSE
PH1-GWB-1	6/15/2017	ND<2	FALSE

cis-1,2-Dichloroethene

PH1-GWB-1	12/12/2017	ND<2	FALSE
PH1-GWB-1	6/18/2018	ND<2	FALSE
PH1-GWB-1	12/17/2018	ND<2	FALSE
PH1-GWB-1	6/11/2019	ND<2	FALSE
PH1-GWB-1	12/10/2019	ND<2	FALSE
PH1-GWB-1	6/24/2020	ND<2	FALSE
PH1-GWB-1	12/17/2020	ND<2	FALSE
PH1-GWB-1	6/14/2021	ND<2	FALSE
PH1-GWB-1	12/13/2021	ND<2	FALSE
PH1-GWB-1	6/7/2022	ND<2	FALSE

PH1-GWC-2	12/7/2016	2.3	TRUE
PH1-GWC-2	6/13/2017	4.4	TRUE
PH1-GWC-2	12/13/2017	3.1	TRUE
PH1-GWC-2	6/19/2018	2.2	TRUE
PH1-GWC-2	12/18/2018	3.3	TRUE
PH1-GWC-2	6/10/2019	5.1	TRUE
PH1-GWC-2	12/10/2019	5.7	TRUE
PH1-GWC-2	6/22/2020	6	TRUE
PH1-GWC-2	12/17/2020	7.8	TRUE
PH1-GWC-2	6/17/2021	7	TRUE
PH1-GWC-2	12/14/2021	6.7	TRUE
PH1-GWC-2	6/8/2022	5.6	TRUE

GWC-1	12/8/2016	ND<2	FALSE
GWC-1	6/13/2017	ND<2	FALSE
GWC-1	12/13/2017	ND<2	FALSE
GWC-1	6/19/2018	ND<2	FALSE
GWC-1	12/17/2018	ND<2	FALSE
GWC-1	6/13/2019	ND<2	FALSE
GWC-1	12/10/2019	ND<2	FALSE
GWC-1	6/22/2020	ND<2	FALSE
GWC-1	12/16/2020	ND<2	FALSE
GWC-1	6/15/2021	ND<2	FALSE
GWC-1	12/15/2021	ND<2	FALSE
GWC-1	6/7/2022	ND<2	FALSE

PH1-GWB-2	12/8/2016	ND<2	FALSE
PH1-GWB-2	6/15/2017	ND<2	FALSE
PH1-GWB-2	12/11/2017	ND<2	FALSE
PH1-GWB-2	6/19/2018	ND<2	FALSE
PH1-GWB-2	12/17/2018	2.6	TRUE
PH1-GWB-2	6/12/2019	ND<2	FALSE
PH1-GWB-2	12/12/2019	ND<2	FALSE
PH1-GWB-2	6/24/2020	ND<2	FALSE
PH1-GWB-2	12/17/2020	ND<2	FALSE
PH1-GWB-2	6/16/2021	ND<2	FALSE
PH1-GWB-2	12/13/2021	ND<2	FALSE
PH1-GWB-2	6/9/2022	ND<2	FALSE

PH1-GWC-1	12/8/2016	ND<2	FALSE
PH1-GWC-1	6/15/2017	ND<2	FALSE
PH1-GWC-1	12/11/2017	ND<2	FALSE

cis-1,2-Dichloroethene

PH1-GWC-1	6/19/2018	ND<2	FALSE
PH1-GWC-1	12/19/2018	ND<2	FALSE
PH1-GWC-1	6/13/2019	ND<2	FALSE
PH1-GWC-1	12/11/2019	ND<2	FALSE
PH1-GWC-1	6/22/2020	ND<2	FALSE
PH1-GWC-1	12/17/2020	ND<2	FALSE
PH1-GWC-1	6/16/2021	ND<2	FALSE
PH1-GWC-1	12/15/2021	ND<2	FALSE
PH1-GWC-1	6/9/2022	ND<2	FALSE

PH1-GWC-3	12/8/2016	15	TRUE
PH1-GWC-3	6/13/2017	14	TRUE
PH1-GWC-3	12/12/2017	15	TRUE
PH1-GWC-3	6/19/2018	15	TRUE
PH1-GWC-3	12/18/2018	15	TRUE
PH1-GWC-3	6/10/2019	19	TRUE
PH1-GWC-3	12/9/2019	27	TRUE
PH1-GWC-3	6/22/2020	20	TRUE
PH1-GWC-3	12/15/2020	26	TRUE
PH1-GWC-3	6/14/2021	28	TRUE
PH1-GWC-3	12/14/2021	25	TRUE
PH1-GWC-3	6/7/2022	26	TRUE

PH1-GWC-3A	12/8/2016	11	TRUE
PH1-GWC-3A	6/13/2017	11	TRUE
PH1-GWC-3A	12/12/2017	10	TRUE
PH1-GWC-3A	6/19/2018	12	TRUE
PH1-GWC-3A	12/18/2018	9.2	TRUE
PH1-GWC-3A	6/10/2019	11	TRUE
PH1-GWC-3A	12/9/2019	16	TRUE
PH1-GWC-3A	6/26/2020	14	TRUE
PH1-GWC-3A	12/15/2020	16	TRUE
PH1-GWC-3A	6/14/2021	19	TRUE
PH1-GWC-3A	12/14/2021	14	TRUE
PH1-GWC-3A	6/7/2022	19	TRUE

PH1-GWC-4	12/8/2016	ND<2	FALSE
PH1-GWC-4	6/15/2017	ND<2	FALSE
PH1-GWC-4	12/11/2017	ND<2	FALSE
PH1-GWC-4	6/19/2018	ND<2	FALSE
PH1-GWC-4	12/19/2018	ND<2	FALSE
PH1-GWC-4	6/13/2019	ND<2	FALSE
PH1-GWC-4	6/22/2020	ND<2	FALSE
PH1-GWC-4	12/17/2020	ND<2	FALSE
PH1-GWC-4	6/16/2021	ND<2	FALSE
PH1-GWC-4	12/15/2021	ND<2	FALSE
PH1-GWC-4	6/6/2022	ND<2	FALSE

Tetrachloroethene

Non-Parametric Tolerance Interval

Parameter: Tetrachloroethene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 74.8387%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
PH1-GWA-1	12/7/2016	ND<2	FALSE
PH1-GWA-1	6/13/2017	ND<2	FALSE
PH1-GWA-1	12/13/2017	ND<2	FALSE
PH1-GWA-1	6/19/2018	2.1	TRUE
PH1-GWA-1	12/18/2018	ND<2	FALSE
PH1-GWA-1	6/10/2019	ND<2	FALSE
PH1-GWA-1	12/9/2019	ND<2	FALSE
PH1-GWA-1	6/22/2020	ND<2	FALSE
PH1-GWA-1	12/15/2020	ND<2	FALSE
PH1-GWA-1	6/15/2021	ND<2	FALSE
PH1-GWA-1	12/13/2021	ND<2	FALSE
PH1-GWA-1	6/8/2022	ND<2	FALSE

PH1-GWA-1A	12/7/2016	ND<2	FALSE
PH1-GWA-1A	6/12/2017	ND<2	FALSE
PH1-GWA-1A	12/13/2017	ND<2	FALSE
PH1-GWA-1A	6/19/2018	ND<2	FALSE
PH1-GWA-1A	12/18/2018	ND<2	FALSE
PH1-GWA-1A	6/10/2019	ND<2	FALSE
PH1-GWA-1A	12/10/2019	ND<2	FALSE
PH1-GWA-1A	6/22/2020	ND<2	FALSE
PH1-GWA-1A	12/18/2020	ND<2	FALSE
PH1-GWA-1A	6/15/2021	ND<2	FALSE
PH1-GWA-1A	12/13/2021	ND<2	FALSE
PH1-GWA-1A	6/8/2022	ND<2	FALSE

PH1-GWA-2	12/7/2016	3.7	TRUE
PH1-GWA-2	6/15/2017	2.1	TRUE
PH1-GWA-2	12/13/2017	2.3	TRUE
PH1-GWA-2	6/18/2018	ND<2	FALSE
PH1-GWA-2	12/18/2018	ND<2	FALSE
PH1-GWA-2	6/11/2019	ND<2	FALSE
PH1-GWA-2	12/9/2019	2.4	TRUE
PH1-GWA-2	6/24/2020	ND<2	FALSE
PH1-GWA-2	12/15/2020	ND<2	FALSE
PH1-GWA-2	6/16/2021	ND<2	FALSE
PH1-GWA-2	12/14/2021	ND<2	FALSE
PH1-GWA-2	6/7/2022	ND<2	FALSE

PH1-GWB-1	12/7/2016	ND<2	FALSE
PH1-GWB-1	6/15/2017	ND<2	FALSE

Tetrachloroethene

PH1-GWB-1	12/12/2017	ND<2	FALSE
PH1-GWB-1	6/18/2018	ND<2	FALSE
PH1-GWB-1	12/17/2018	ND<2	FALSE
PH1-GWB-1	6/11/2019	ND<2	FALSE
PH1-GWB-1	12/10/2019	ND<2	FALSE
PH1-GWB-1	6/24/2020	ND<2	FALSE
PH1-GWB-1	12/17/2020	ND<2	FALSE
PH1-GWB-1	6/14/2021	ND<2	FALSE
PH1-GWB-1	12/13/2021	ND<2	FALSE
PH1-GWB-1	6/7/2022	ND<2	FALSE

PH1-GWC-2	12/7/2016	3.9	TRUE
PH1-GWC-2	6/13/2017	6.7	TRUE
PH1-GWC-2	12/13/2017	5.1	TRUE
PH1-GWC-2	6/19/2018	ND<2	FALSE
PH1-GWC-2	12/18/2018	5.1	TRUE
PH1-GWC-2	6/10/2019	4.2	TRUE
PH1-GWC-2	12/10/2019	6.3	TRUE
PH1-GWC-2	6/22/2020	4.6	TRUE
PH1-GWC-2	12/17/2020	5.3	TRUE
PH1-GWC-2	6/17/2021	3.7	TRUE
PH1-GWC-2	12/14/2021	2.9	TRUE
PH1-GWC-2	6/8/2022	3.4	TRUE

GWC-1	12/8/2016	ND<2	FALSE
GWC-1	6/13/2017	ND<2	FALSE
GWC-1	12/13/2017	ND<2	FALSE
GWC-1	6/19/2018	ND<2	FALSE
GWC-1	12/17/2018	ND<2	FALSE
GWC-1	6/13/2019	ND<2	FALSE
GWC-1	12/10/2019	ND<2	FALSE
GWC-1	6/22/2020	ND<2	FALSE
GWC-1	12/16/2020	ND<2	FALSE
GWC-1	6/15/2021	ND<2	FALSE
GWC-1	12/15/2021	ND<2	FALSE
GWC-1	6/7/2022	ND<2	FALSE

PH1-GWB-2	12/8/2016	ND<2	FALSE
PH1-GWB-2	6/15/2017	ND<2	FALSE
PH1-GWB-2	12/11/2017	ND<2	FALSE
PH1-GWB-2	6/19/2018	ND<2	FALSE
PH1-GWB-2	12/17/2018	ND<2	FALSE
PH1-GWB-2	6/12/2019	ND<2	FALSE
PH1-GWB-2	12/12/2019	ND<2	FALSE
PH1-GWB-2	6/24/2020	ND<2	FALSE
PH1-GWB-2	12/17/2020	ND<2	FALSE
PH1-GWB-2	6/16/2021	ND<2	FALSE
PH1-GWB-2	12/13/2021	ND<2	FALSE
PH1-GWB-2	6/9/2022	ND<2	FALSE

PH1-GWC-1	12/8/2016	ND<2	FALSE
PH1-GWC-1	6/15/2017	ND<2	FALSE
PH1-GWC-1	12/11/2017	ND<2	FALSE

Tetrachloroethene

PH1-GWC-1	6/19/2018	ND<2	FALSE
PH1-GWC-1	12/19/2018	ND<2	FALSE
PH1-GWC-1	6/13/2019	ND<2	FALSE
PH1-GWC-1	12/11/2019	ND<2	FALSE
PH1-GWC-1	6/22/2020	ND<2	FALSE
PH1-GWC-1	12/17/2020	ND<2	FALSE
PH1-GWC-1	6/16/2021	ND<2	FALSE
PH1-GWC-1	12/15/2021	ND<2	FALSE
PH1-GWC-1	6/9/2022	ND<2	FALSE

PH1-GWC-3	12/8/2016	12	TRUE
PH1-GWC-3	6/13/2017	11	TRUE
PH1-GWC-3	12/12/2017	13	TRUE
PH1-GWC-3	6/19/2018	11	TRUE
PH1-GWC-3	12/18/2018	10	TRUE
PH1-GWC-3	6/10/2019	11	TRUE
PH1-GWC-3	12/9/2019	13	TRUE
PH1-GWC-3	6/22/2020	9	TRUE
PH1-GWC-3	12/15/2020	9.1	TRUE
PH1-GWC-3	6/14/2021	9.3	TRUE
PH1-GWC-3	12/14/2021	8.8	TRUE
PH1-GWC-3	6/7/2022	8.3	TRUE

PH1-GWC-3A	12/8/2016	8.6	TRUE
PH1-GWC-3A	6/13/2017	8.9	TRUE
PH1-GWC-3A	12/12/2017	10	TRUE
PH1-GWC-3A	6/19/2018	11	TRUE
PH1-GWC-3A	12/18/2018	8.7	TRUE
PH1-GWC-3A	6/10/2019	8.8	TRUE
PH1-GWC-3A	12/9/2019	7.4	TRUE
PH1-GWC-3A	6/26/2020	ND<2	FALSE
PH1-GWC-3A	12/15/2020	5.7	TRUE
PH1-GWC-3A	6/14/2021	8.1	TRUE
PH1-GWC-3A	12/14/2021	7.2	TRUE
PH1-GWC-3A	6/7/2022	8.6	TRUE

PH1-GWC-4	12/8/2016	ND<2	FALSE
PH1-GWC-4	6/15/2017	ND<2	FALSE
PH1-GWC-4	12/11/2017	ND<2	FALSE
PH1-GWC-4	6/19/2018	ND<2	FALSE
PH1-GWC-4	12/19/2018	ND<2	FALSE
PH1-GWC-4	6/13/2019	ND<2	FALSE
PH1-GWC-4	6/22/2020	ND<2	FALSE
PH1-GWC-4	12/17/2020	ND<2	FALSE
PH1-GWC-4	6/16/2021	ND<2	FALSE
PH1-GWC-4	12/15/2021	ND<2	FALSE
PH1-GWC-4	6/6/2022	ND<2	FALSE

Trichloroethene

Non-Parametric Tolerance Interval

Parameter: Trichloroethene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 70.3226%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
PH1-GWA-1	12/7/2016	2.2	TRUE
PH1-GWA-1	6/13/2017	ND<2	FALSE
PH1-GWA-1	12/13/2017	ND<2	FALSE
PH1-GWA-1	6/19/2018	ND<2	FALSE
PH1-GWA-1	12/18/2018	ND<2	FALSE
PH1-GWA-1	6/10/2019	ND<2	FALSE
PH1-GWA-1	12/9/2019	3.1	TRUE
PH1-GWA-1	6/22/2020	ND<2	FALSE
PH1-GWA-1	12/15/2020	ND<2	FALSE
PH1-GWA-1	6/15/2021	ND<2	FALSE
PH1-GWA-1	12/13/2021	ND<2	FALSE
PH1-GWA-1	6/8/2022	ND<2	FALSE

PH1-GWA-1A	12/7/2016	ND<2	FALSE
PH1-GWA-1A	6/12/2017	ND<2	FALSE
PH1-GWA-1A	12/13/2017	ND<2	FALSE
PH1-GWA-1A	6/19/2018	ND<2	FALSE
PH1-GWA-1A	12/18/2018	ND<2	FALSE
PH1-GWA-1A	6/10/2019	ND<2	FALSE
PH1-GWA-1A	12/10/2019	ND<2	FALSE
PH1-GWA-1A	6/22/2020	ND<2	FALSE
PH1-GWA-1A	12/18/2020	ND<2	FALSE
PH1-GWA-1A	6/15/2021	ND<2	FALSE
PH1-GWA-1A	12/13/2021	ND<2	FALSE
PH1-GWA-1A	6/8/2022	ND<2	FALSE

PH1-GWA-2	12/7/2016	7.1	TRUE
PH1-GWA-2	6/15/2017	4.1	TRUE
PH1-GWA-2	12/13/2017	5.8	TRUE
PH1-GWA-2	6/18/2018	4.2	TRUE
PH1-GWA-2	12/18/2018	4	TRUE
PH1-GWA-2	6/11/2019	2.1	TRUE
PH1-GWA-2	12/9/2019	7.3	TRUE
PH1-GWA-2	6/24/2020	2.4	TRUE
PH1-GWA-2	12/15/2020	2.5	TRUE
PH1-GWA-2	6/16/2021	2.4	TRUE
PH1-GWA-2	12/14/2021	2	FALSE
PH1-GWA-2	6/7/2022	ND<2	FALSE

PH1-GWB-1	12/7/2016	ND<2	FALSE
PH1-GWB-1	6/15/2017	ND<2	FALSE

Trichloroethene

PH1-GWB-1	12/12/2017	ND<2	FALSE
PH1-GWB-1	6/18/2018	ND<2	FALSE
PH1-GWB-1	12/17/2018	ND<2	FALSE
PH1-GWB-1	6/11/2019	ND<2	FALSE
PH1-GWB-1	12/10/2019	ND<2	FALSE
PH1-GWB-1	6/24/2020	ND<2	FALSE
PH1-GWB-1	12/17/2020	ND<2	FALSE
PH1-GWB-1	6/14/2021	ND<2	FALSE
PH1-GWB-1	12/13/2021	ND<2	FALSE
PH1-GWB-1	6/7/2022	ND<2	FALSE

PH1-GWC-2	12/7/2016	ND<2	FALSE
PH1-GWC-2	6/13/2017	2.4	TRUE
PH1-GWC-2	12/13/2017	ND<2	FALSE
PH1-GWC-2	6/19/2018	ND<2	FALSE
PH1-GWC-2	12/18/2018	2	FALSE
PH1-GWC-2	6/10/2019	2	FALSE
PH1-GWC-2	12/10/2019	2.6	TRUE
PH1-GWC-2	6/22/2020	2.1	TRUE
PH1-GWC-2	12/17/2020	2.5	TRUE
PH1-GWC-2	6/17/2021	2.7	TRUE
PH1-GWC-2	12/14/2021	3	TRUE
PH1-GWC-2	6/8/2022	2.1	TRUE

GWC-1	12/8/2016	ND<2	FALSE
GWC-1	6/13/2017	ND<2	FALSE
GWC-1	12/13/2017	ND<2	FALSE
GWC-1	6/19/2018	ND<2	FALSE
GWC-1	12/17/2018	ND<2	FALSE
GWC-1	6/13/2019	ND<2	FALSE
GWC-1	12/10/2019	ND<2	FALSE
GWC-1	6/22/2020	ND<2	FALSE
GWC-1	12/16/2020	ND<2	FALSE
GWC-1	6/15/2021	ND<2	FALSE
GWC-1	12/15/2021	ND<2	FALSE
GWC-1	6/7/2022	ND<2	FALSE

PH1-GWB-2	12/8/2016	ND<2	FALSE
PH1-GWB-2	6/15/2017	ND<2	FALSE
PH1-GWB-2	12/11/2017	ND<2	FALSE
PH1-GWB-2	6/19/2018	ND<2	FALSE
PH1-GWB-2	12/17/2018	ND<2	FALSE
PH1-GWB-2	6/12/2019	ND<2	FALSE
PH1-GWB-2	12/12/2019	ND<2	FALSE
PH1-GWB-2	6/24/2020	ND<2	FALSE
PH1-GWB-2	12/17/2020	ND<2	FALSE
PH1-GWB-2	6/16/2021	ND<2	FALSE
PH1-GWB-2	12/13/2021	ND<2	FALSE
PH1-GWB-2	6/9/2022	ND<2	FALSE

PH1-GWC-1	12/8/2016	ND<2	FALSE
PH1-GWC-1	6/15/2017	ND<2	FALSE
PH1-GWC-1	12/11/2017	ND<2	FALSE

Trichloroethene

PH1-GWC-1	6/19/2018	ND<2	FALSE
PH1-GWC-1	12/19/2018	ND<2	FALSE
PH1-GWC-1	6/13/2019	ND<2	FALSE
PH1-GWC-1	12/11/2019	ND<2	FALSE
PH1-GWC-1	6/22/2020	ND<2	FALSE
PH1-GWC-1	12/17/2020	ND<2	FALSE
PH1-GWC-1	6/16/2021	ND<2	FALSE
PH1-GWC-1	12/15/2021	ND<2	FALSE
PH1-GWC-1	6/9/2022	ND<2	FALSE

PH1-GWC-3	12/8/2016	7.6	TRUE
PH1-GWC-3	6/13/2017	7	TRUE
PH1-GWC-3	12/12/2017	8.4	TRUE
PH1-GWC-3	6/19/2018	6.9	TRUE
PH1-GWC-3	12/18/2018	6.8	TRUE
PH1-GWC-3	6/10/2019	7.4	TRUE
PH1-GWC-3	12/9/2019	8.7	TRUE
PH1-GWC-3	6/22/2020	7.1	TRUE
PH1-GWC-3	12/15/2020	7.6	TRUE
PH1-GWC-3	6/14/2021	7.5	TRUE
PH1-GWC-3	12/14/2021	7.1	TRUE
PH1-GWC-3	6/7/2022	7.2	TRUE

PH1-GWC-3A	12/8/2016	6.8	TRUE
PH1-GWC-3A	6/13/2017	6	TRUE
PH1-GWC-3A	12/12/2017	6.6	TRUE
PH1-GWC-3A	6/19/2018	6.8	TRUE
PH1-GWC-3A	12/18/2018	5.8	TRUE
PH1-GWC-3A	6/10/2019	5.7	TRUE
PH1-GWC-3A	12/9/2019	8.4	TRUE
PH1-GWC-3A	6/26/2020	2.8	TRUE
PH1-GWC-3A	12/15/2020	8.1	TRUE
PH1-GWC-3A	6/14/2021	6.1	TRUE
PH1-GWC-3A	12/14/2021	5.7	TRUE
PH1-GWC-3A	6/7/2022	6.8	TRUE

PH1-GWC-4	12/8/2016	ND<2	FALSE
PH1-GWC-4	6/15/2017	ND<2	FALSE
PH1-GWC-4	12/11/2017	ND<2	FALSE
PH1-GWC-4	6/19/2018	ND<2	FALSE
PH1-GWC-4	12/19/2018	ND<2	FALSE
PH1-GWC-4	6/13/2019	ND<2	FALSE
PH1-GWC-4	6/22/2020	ND<2	FALSE
PH1-GWC-4	12/17/2020	ND<2	FALSE
PH1-GWC-4	6/16/2021	ND<2	FALSE
PH1-GWC-4	12/15/2021	ND<2	FALSE
PH1-GWC-4	6/6/2022	ND<2	FALSE

Barium

Non-Parametric Tolerance Interval

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 25.8065%

Background measurements (n) = 24

Maximum Background Concentration = 37

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
PH1-GWA-1A	12/7/2016	21	FALSE
PH1-GWA-1A	6/12/2017	24	FALSE
PH1-GWA-1A	12/13/2017	27	FALSE
PH1-GWA-1A	6/20/2018	25	FALSE
PH1-GWA-1A	12/19/2018	27	FALSE
PH1-GWA-1A	6/11/2019	24	FALSE
PH1-GWA-1A	12/10/2019	23.4	FALSE
PH1-GWA-1A	6/22/2020	21.7	FALSE
PH1-GWA-1A	12/18/2020	27.4	FALSE
PH1-GWA-1A	6/16/2021	24.8	FALSE
PH1-GWA-1A	12/14/2021	22.6	FALSE
PH1-GWA-1A	6/8/2022	25.9	FALSE

PH1-GWC-2	12/7/2016	ND<20	FALSE
PH1-GWC-2	6/14/2017	51	TRUE
PH1-GWC-2	12/13/2017	ND<20	FALSE
PH1-GWC-2	6/19/2018	ND<20	FALSE
PH1-GWC-2	12/18/2018	26	FALSE
PH1-GWC-2	6/10/2019	39	TRUE
PH1-GWC-2	12/10/2019	ND<20	FALSE
PH1-GWC-2	6/22/2020	33.6	FALSE
PH1-GWC-2	12/17/2020	ND<20	FALSE
PH1-GWC-2	6/17/2021	20.6	FALSE
PH1-GWC-2	12/17/2021	ND<20	FALSE
PH1-GWC-2	6/8/2022	20.9	FALSE

PH1-GWA-1	12/8/2016	ND<20	FALSE
PH1-GWA-1	6/14/2017	21	FALSE
PH1-GWA-1	12/14/2017	20	FALSE
PH1-GWA-1	6/20/2018	34	FALSE
PH1-GWA-1	12/19/2018	24	FALSE
PH1-GWA-1	6/11/2019	24	FALSE
PH1-GWA-1	12/10/2019	20.3	FALSE
PH1-GWA-1	6/23/2020	27.7	FALSE
PH1-GWA-1	12/16/2020	ND<20	FALSE
PH1-GWA-1	6/16/2021	28.7	FALSE
PH1-GWA-1	12/14/2021	22.8	FALSE
PH1-GWA-1	6/9/2022	25.3	FALSE

PH1-GWA-2	12/8/2016	110	TRUE
PH1-GWA-2	6/16/2017	80	TRUE

Barium

PH1-GWA-2	12/14/2017	80	TRUE
PH1-GWA-2	6/19/2018	61	TRUE
PH1-GWA-2	12/19/2018	81	TRUE
PH1-GWA-2	6/12/2019	84	TRUE
PH1-GWA-2	12/10/2019	84.2	TRUE
PH1-GWA-2	6/25/2020	64.6	TRUE
PH1-GWA-2	12/16/2020	65.5	TRUE
PH1-GWA-2	6/17/2021	71.7	TRUE
PH1-GWA-2	12/15/2021	71.6	TRUE
PH1-GWA-2	6/8/2022	59	TRUE

PH1-GWB-1	12/8/2016	75	TRUE
PH1-GWB-1	6/16/2017	52	TRUE
PH1-GWB-1	12/13/2017	54	TRUE
PH1-GWB-1	6/19/2018	62	TRUE
PH1-GWB-1	12/18/2018	53	TRUE
PH1-GWB-1	6/12/2019	82	TRUE
PH1-GWB-1	12/11/2019	67	TRUE
PH1-GWB-1	6/25/2020	79.3	TRUE
PH1-GWB-1	12/18/2020	50.5	TRUE
PH1-GWB-1	6/15/2021	63.1	TRUE
PH1-GWB-1	12/14/2021	56.8	TRUE
PH1-GWB-1	6/8/2022	53.7	TRUE

GWC-1	12/9/2016	100	TRUE
GWC-1	6/14/2017	92	TRUE
GWC-1	12/14/2017	88	TRUE
GWC-1	6/20/2018	94	TRUE
GWC-1	12/18/2018	150	TRUE
GWC-1	6/13/2019	93	TRUE
GWC-1	12/11/2019	85.2	TRUE
GWC-1	6/23/2020	95.3	TRUE
GWC-1	12/17/2020	81.1	TRUE
GWC-1	6/16/2021	86.1	TRUE
GWC-1	12/16/2021	84	TRUE
GWC-1	6/8/2022	79.1	TRUE

PH1-GWB-2	12/9/2016	26	FALSE
PH1-GWB-2	6/16/2017	ND<20	FALSE
PH1-GWB-2	12/12/2017	ND<20	FALSE
PH1-GWB-2	6/20/2018	ND<20	FALSE
PH1-GWB-2	12/18/2018	22	FALSE
PH1-GWB-2	6/13/2019	ND<20	FALSE
PH1-GWB-2	12/13/2019	ND<20	FALSE
PH1-GWB-2	6/25/2020	ND<20	FALSE
PH1-GWB-2	12/18/2020	ND<20	FALSE
PH1-GWB-2	6/17/2021	ND<20	FALSE
PH1-GWB-2	12/14/2021	ND<20	FALSE
PH1-GWB-2	6/10/2022	ND<20	FALSE

PH1-GWC-1	12/9/2016	70	TRUE
PH1-GWC-1	6/16/2017	40	TRUE
PH1-GWC-1	12/12/2017	38	TRUE

Barium

PH1-GWC-1	6/20/2018	42	TRUE
PH1-GWC-1	12/20/2018	47	TRUE
PH1-GWC-1	6/13/2019	50	TRUE
PH1-GWC-1	12/12/2019	43.7	TRUE
PH1-GWC-1	6/23/2020	42.8	TRUE
PH1-GWC-1	12/18/2020	32.1	FALSE
PH1-GWC-1	6/17/2021	42.1	TRUE
PH1-GWC-1	12/16/2021	30.6	FALSE
PH1-GWC-1	6/10/2022	42	TRUE

PH1-GWC-3	12/9/2016	28	FALSE
PH1-GWC-3	6/14/2017	26	FALSE
PH1-GWC-3	12/13/2017	27	FALSE
PH1-GWC-3	6/20/2018	23	FALSE
PH1-GWC-3	12/19/2018	27	FALSE
PH1-GWC-3	6/11/2019	30	FALSE
PH1-GWC-3	12/10/2019	24.7	FALSE
PH1-GWC-3	6/23/2020	23.6	FALSE
PH1-GWC-3	12/16/2020	25.6	FALSE
PH1-GWC-3	6/15/2021	24.3	FALSE
PH1-GWC-3	12/15/2021	28.8	FALSE
PH1-GWC-3	6/8/2022	25.5	FALSE

PH1-GWC-3A	12/9/2016	29	FALSE
PH1-GWC-3A	6/14/2017	29	FALSE
PH1-GWC-3A	12/13/2017	27	FALSE
PH1-GWC-3A	6/28/2018	26	FALSE
PH1-GWC-3A	12/19/2018	24	FALSE
PH1-GWC-3A	6/11/2019	30	FALSE
PH1-GWC-3A	12/10/2019	24.9	FALSE
PH1-GWC-3A	6/23/2020	23.9	FALSE
PH1-GWC-3A	12/16/2020	25.9	FALSE
PH1-GWC-3A	6/15/2021	30.5	FALSE
PH1-GWC-3A	12/15/2021	28.5	FALSE
PH1-GWC-3A	6/8/2022	30.1	FALSE

PH1-GWC-4	12/9/2016	80	TRUE
PH1-GWC-4	6/16/2017	42	TRUE
PH1-GWC-4	12/12/2017	54	TRUE
PH1-GWC-4	6/20/2018	34	FALSE
PH1-GWC-4	12/20/2018	310	TRUE
PH1-GWC-4	6/13/2019	32	FALSE
PH1-GWC-4	6/23/2020	25.2	FALSE
PH1-GWC-4	12/18/2020	56.4	TRUE
PH1-GWC-4	6/17/2021	33	FALSE
PH1-GWC-4	12/16/2021	41.3	TRUE
PH1-GWC-4	6/7/2022	26.6	FALSE

Chromium

Non-Parametric Tolerance Interval

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 95.4839%

Background measurements (n) = 24

Maximum Background Concentration = 10

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
PH1-GWA-1A	12/7/2016	ND<10	FALSE
PH1-GWA-1A	6/12/2017	ND<10	FALSE
PH1-GWA-1A	12/13/2017	ND<10	FALSE
PH1-GWA-1A	6/20/2018	ND<10	FALSE
PH1-GWA-1A	12/19/2018	ND<10	FALSE
PH1-GWA-1A	6/11/2019	11	TRUE
PH1-GWA-1A	12/10/2019	ND<10	FALSE
PH1-GWA-1A	6/22/2020	ND<10	FALSE
PH1-GWA-1A	12/18/2020	ND<10	FALSE
PH1-GWA-1A	6/16/2021	ND<10	FALSE
PH1-GWA-1A	12/14/2021	ND<10	FALSE
PH1-GWA-1A	6/8/2022	19.9	TRUE

PH1-GWC-2	12/7/2016	ND<10	FALSE
PH1-GWC-2	6/14/2017	ND<10	FALSE
PH1-GWC-2	12/13/2017	ND<10	FALSE
PH1-GWC-2	6/19/2018	12	TRUE
PH1-GWC-2	12/18/2018	ND<10	FALSE
PH1-GWC-2	6/10/2019	69	TRUE
PH1-GWC-2	12/10/2019	ND<10	FALSE
PH1-GWC-2	6/22/2020	27.2	TRUE
PH1-GWC-2	12/17/2020	ND<10	FALSE
PH1-GWC-2	6/17/2021	ND<10	FALSE
PH1-GWC-2	12/17/2021	ND<10	FALSE
PH1-GWC-2	6/8/2022	15.7	TRUE

PH1-GWA-1	12/8/2016	ND<10	FALSE
PH1-GWA-1	6/14/2017	ND<10	FALSE
PH1-GWA-1	12/14/2017	ND<10	FALSE
PH1-GWA-1	6/20/2018	ND<10	FALSE
PH1-GWA-1	12/19/2018	ND<10	FALSE
PH1-GWA-1	6/11/2019	ND<10	FALSE
PH1-GWA-1	12/10/2019	ND<10	FALSE
PH1-GWA-1	6/23/2020	ND<10	FALSE
PH1-GWA-1	12/16/2020	ND<10	FALSE
PH1-GWA-1	6/16/2021	ND<10	FALSE
PH1-GWA-1	12/14/2021	ND<10	FALSE
PH1-GWA-1	6/9/2022	ND<10	FALSE

PH1-GWA-2	12/8/2016	ND<10	FALSE
PH1-GWA-2	6/16/2017	ND<10	FALSE

Chromium

PH1-GWA-2	12/14/2017	ND<10	FALSE
PH1-GWA-2	6/19/2018	ND<10	FALSE
PH1-GWA-2	12/19/2018	ND<10	FALSE
PH1-GWA-2	6/12/2019	ND<10	FALSE
PH1-GWA-2	12/10/2019	ND<10	FALSE
PH1-GWA-2	6/25/2020	ND<10	FALSE
PH1-GWA-2	12/16/2020	ND<10	FALSE
PH1-GWA-2	6/17/2021	ND<10	FALSE
PH1-GWA-2	12/15/2021	ND<10	FALSE
PH1-GWA-2	6/8/2022	ND<20	TRUE

PH1-GWB-1	12/8/2016	ND<10	FALSE
PH1-GWB-1	6/16/2017	ND<10	FALSE
PH1-GWB-1	12/13/2017	ND<10	FALSE
PH1-GWB-1	6/19/2018	ND<10	FALSE
PH1-GWB-1	12/18/2018	ND<10	FALSE
PH1-GWB-1	6/12/2019	ND<10	FALSE
PH1-GWB-1	12/11/2019	ND<10	FALSE
PH1-GWB-1	6/25/2020	ND<10	FALSE
PH1-GWB-1	12/18/2020	ND<10	FALSE
PH1-GWB-1	6/15/2021	ND<10	FALSE
PH1-GWB-1	12/14/2021	ND<10	FALSE
PH1-GWB-1	6/8/2022	ND<10	FALSE

GWC-1	12/9/2016	ND<10	FALSE
GWC-1	6/14/2017	ND<10	FALSE
GWC-1	12/14/2017	ND<10	FALSE
GWC-1	6/20/2018	ND<10	FALSE
GWC-1	12/18/2018	ND<10	FALSE
GWC-1	6/13/2019	ND<10	FALSE
GWC-1	12/11/2019	ND<10	FALSE
GWC-1	6/23/2020	ND<10	FALSE
GWC-1	12/17/2020	ND<10	FALSE
GWC-1	6/16/2021	ND<10	FALSE
GWC-1	12/16/2021	ND<10	FALSE
GWC-1	6/8/2022	ND<10	FALSE

PH1-GWB-2	12/9/2016	ND<10	FALSE
PH1-GWB-2	6/16/2017	ND<10	FALSE
PH1-GWB-2	12/12/2017	ND<10	FALSE
PH1-GWB-2	6/20/2018	ND<10	FALSE
PH1-GWB-2	12/18/2018	ND<10	FALSE
PH1-GWB-2	6/13/2019	ND<10	FALSE
PH1-GWB-2	12/13/2019	ND<10	FALSE
PH1-GWB-2	6/25/2020	ND<10	FALSE
PH1-GWB-2	12/18/2020	ND<10	FALSE
PH1-GWB-2	6/17/2021	ND<10	FALSE
PH1-GWB-2	12/14/2021	ND<10	FALSE
PH1-GWB-2	6/10/2022	ND<10	FALSE

PH1-GWC-1	12/9/2016	ND<10	FALSE
PH1-GWC-1	6/16/2017	ND<10	FALSE
PH1-GWC-1	12/12/2017	ND<10	FALSE

Chromium

PH1-GWC-1	6/20/2018	ND<10	FALSE
PH1-GWC-1	12/20/2018	ND<10	FALSE
PH1-GWC-1	6/13/2019	ND<10	FALSE
PH1-GWC-1	12/12/2019	ND<10	FALSE
PH1-GWC-1	6/23/2020	ND<10	FALSE
PH1-GWC-1	12/18/2020	ND<10	FALSE
PH1-GWC-1	6/17/2021	ND<10	FALSE
PH1-GWC-1	12/16/2021	ND<10	FALSE
PH1-GWC-1	6/10/2022	ND<10	FALSE

PH1-GWC-3	12/9/2016	ND<10	FALSE
PH1-GWC-3	6/14/2017	ND<10	FALSE
PH1-GWC-3	12/13/2017	ND<10	FALSE
PH1-GWC-3	6/20/2018	ND<10	FALSE
PH1-GWC-3	12/19/2018	ND<10	FALSE
PH1-GWC-3	6/11/2019	ND<10	FALSE
PH1-GWC-3	12/10/2019	ND<10	FALSE
PH1-GWC-3	6/23/2020	ND<10	FALSE
PH1-GWC-3	12/16/2020	ND<10	FALSE
PH1-GWC-3	6/15/2021	ND<10	FALSE
PH1-GWC-3	12/15/2021	ND<10	FALSE
PH1-GWC-3	6/8/2022	ND<20	TRUE

PH1-GWC-3A	12/9/2016	ND<10	FALSE
PH1-GWC-3A	6/14/2017	ND<10	FALSE
PH1-GWC-3A	12/13/2017	ND<10	FALSE
PH1-GWC-3A	6/28/2018	ND<10	FALSE
PH1-GWC-3A	12/19/2018	ND<10	FALSE
PH1-GWC-3A	6/11/2019	ND<10	FALSE
PH1-GWC-3A	12/10/2019	ND<10	FALSE
PH1-GWC-3A	6/23/2020	ND<10	FALSE
PH1-GWC-3A	12/16/2020	ND<10	FALSE
PH1-GWC-3A	6/15/2021	ND<10	FALSE
PH1-GWC-3A	12/15/2021	ND<10	FALSE
PH1-GWC-3A	6/8/2022	ND<20	TRUE

PH1-GWC-4	12/9/2016	ND<10	FALSE
PH1-GWC-4	6/16/2017	ND<10	FALSE
PH1-GWC-4	12/12/2017	ND<10	FALSE
PH1-GWC-4	6/20/2018	ND<10	FALSE
PH1-GWC-4	12/20/2018	49	TRUE
PH1-GWC-4	6/13/2019	ND<10	FALSE
PH1-GWC-4	6/23/2020	ND<10	FALSE
PH1-GWC-4	12/18/2020	ND<10	FALSE
PH1-GWC-4	6/17/2021	ND<10	FALSE
PH1-GWC-4	12/16/2021	ND<10	FALSE
PH1-GWC-4	6/7/2022	ND<10	FALSE

Non-Parametric Tolerance Interval

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 92.2581%

Background measurements (n) = 24

Maximum Background Concentration = 40

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
PH1-GWA-1A	12/7/2016	ND<40	FALSE
PH1-GWA-1A	6/12/2017	ND<40	FALSE
PH1-GWA-1A	12/13/2017	ND<40	FALSE
PH1-GWA-1A	6/20/2018	ND<40	FALSE
PH1-GWA-1A	12/19/2018	ND<40	FALSE
PH1-GWA-1A	6/11/2019	ND<40	FALSE
PH1-GWA-1A	12/10/2019	ND<40	FALSE
PH1-GWA-1A	6/22/2020	ND<40	FALSE
PH1-GWA-1A	12/18/2020	ND<40	FALSE
PH1-GWA-1A	6/16/2021	ND<40	FALSE
PH1-GWA-1A	12/14/2021	ND<40	FALSE
PH1-GWA-1A	6/8/2022	ND<40	FALSE

PH1-GWC-2	12/7/2016	ND<40	FALSE
PH1-GWC-2	6/14/2017	ND<40	FALSE
PH1-GWC-2	12/13/2017	ND<40	FALSE
PH1-GWC-2	6/19/2018	ND<40	FALSE
PH1-GWC-2	12/18/2018	ND<40	FALSE
PH1-GWC-2	6/10/2019	ND<40	FALSE
PH1-GWC-2	12/10/2019	ND<40	FALSE
PH1-GWC-2	6/22/2020	ND<40	FALSE
PH1-GWC-2	12/17/2020	ND<40	FALSE
PH1-GWC-2	6/17/2021	ND<40	FALSE
PH1-GWC-2	12/17/2021	ND<40	FALSE
PH1-GWC-2	6/8/2022	ND<40	FALSE

PH1-GWA-1	12/8/2016	94	TRUE
PH1-GWA-1	6/14/2017	100	TRUE
PH1-GWA-1	12/14/2017	76	TRUE
PH1-GWA-1	6/20/2018	75	TRUE
PH1-GWA-1	12/19/2018	82	TRUE
PH1-GWA-1	6/11/2019	91	TRUE
PH1-GWA-1	12/10/2019	90.1	TRUE
PH1-GWA-1	6/23/2020	76.6	TRUE
PH1-GWA-1	12/16/2020	95.6	TRUE
PH1-GWA-1	6/16/2021	83.5	TRUE
PH1-GWA-1	12/14/2021	111	TRUE
PH1-GWA-1	6/9/2022	74.7	TRUE

PH1-GWA-2	12/8/2016	ND<40	FALSE
PH1-GWA-2	6/16/2017	ND<40	FALSE

PH1-GWA-2	12/14/2017	ND<40	FALSE
PH1-GWA-2	6/19/2018	ND<40	FALSE
PH1-GWA-2	12/19/2018	ND<40	FALSE
PH1-GWA-2	6/12/2019	ND<40	FALSE
PH1-GWA-2	12/10/2019	ND<40	FALSE
PH1-GWA-2	6/25/2020	ND<40	FALSE
PH1-GWA-2	12/16/2020	ND<40	FALSE
PH1-GWA-2	6/17/2021	ND<40	FALSE
PH1-GWA-2	12/15/2021	ND<40	FALSE
PH1-GWA-2	6/8/2022	ND<50	TRUE

PH1-GWB-1	12/8/2016	ND<40	FALSE
PH1-GWB-1	6/16/2017	ND<40	FALSE
PH1-GWB-1	12/13/2017	ND<40	FALSE
PH1-GWB-1	6/19/2018	ND<40	FALSE
PH1-GWB-1	12/18/2018	ND<40	FALSE
PH1-GWB-1	6/12/2019	ND<40	FALSE
PH1-GWB-1	12/11/2019	ND<40	FALSE
PH1-GWB-1	6/25/2020	ND<40	FALSE
PH1-GWB-1	12/18/2020	ND<40	FALSE
PH1-GWB-1	6/15/2021	ND<40	FALSE
PH1-GWB-1	12/14/2021	ND<40	FALSE
PH1-GWB-1	6/8/2022	ND<40	FALSE

GWC-1	12/9/2016	ND<40	FALSE
GWC-1	6/14/2017	ND<40	FALSE
GWC-1	12/14/2017	ND<40	FALSE
GWC-1	6/20/2018	ND<40	FALSE
GWC-1	12/18/2018	ND<40	FALSE
GWC-1	6/13/2019	ND<40	FALSE
GWC-1	12/11/2019	ND<40	FALSE
GWC-1	6/23/2020	ND<40	FALSE
GWC-1	12/17/2020	ND<40	FALSE
GWC-1	6/16/2021	ND<40	FALSE
GWC-1	12/16/2021	ND<40	FALSE
GWC-1	6/8/2022	ND<40	FALSE

PH1-GWB-2	12/9/2016	ND<40	FALSE
PH1-GWB-2	6/16/2017	ND<40	FALSE
PH1-GWB-2	12/12/2017	ND<40	FALSE
PH1-GWB-2	6/20/2018	ND<40	FALSE
PH1-GWB-2	12/18/2018	ND<40	FALSE
PH1-GWB-2	6/13/2019	ND<40	FALSE
PH1-GWB-2	12/13/2019	ND<40	FALSE
PH1-GWB-2	6/25/2020	ND<40	FALSE
PH1-GWB-2	12/18/2020	ND<40	FALSE
PH1-GWB-2	6/17/2021	ND<40	FALSE
PH1-GWB-2	12/14/2021	ND<40	FALSE
PH1-GWB-2	6/10/2022	ND<40	FALSE

PH1-GWC-1	12/9/2016	ND<40	FALSE
PH1-GWC-1	6/16/2017	ND<40	FALSE
PH1-GWC-1	12/12/2017	ND<40	FALSE

Cobalt

PH1-GWC-1	6/20/2018	ND<40	FALSE
PH1-GWC-1	12/20/2018	ND<40	FALSE
PH1-GWC-1	6/13/2019	ND<40	FALSE
PH1-GWC-1	12/12/2019	ND<40	FALSE
PH1-GWC-1	6/23/2020	ND<40	FALSE
PH1-GWC-1	12/18/2020	ND<40	FALSE
PH1-GWC-1	6/17/2021	ND<40	FALSE
PH1-GWC-1	12/16/2021	ND<40	FALSE
PH1-GWC-1	6/10/2022	ND<40	FALSE

PH1-GWC-3	12/9/2016	ND<40	FALSE
PH1-GWC-3	6/14/2017	ND<40	FALSE
PH1-GWC-3	12/13/2017	ND<40	FALSE
PH1-GWC-3	6/20/2018	ND<40	FALSE
PH1-GWC-3	12/19/2018	ND<40	FALSE
PH1-GWC-3	6/11/2019	ND<40	FALSE
PH1-GWC-3	12/10/2019	ND<40	FALSE
PH1-GWC-3	6/23/2020	ND<40	FALSE
PH1-GWC-3	12/16/2020	ND<40	FALSE
PH1-GWC-3	6/15/2021	ND<40	FALSE
PH1-GWC-3	12/15/2021	ND<40	FALSE
PH1-GWC-3	6/8/2022	ND<50	TRUE

PH1-GWC-3A	12/9/2016	ND<40	FALSE
PH1-GWC-3A	6/14/2017	ND<40	FALSE
PH1-GWC-3A	12/13/2017	ND<40	FALSE
PH1-GWC-3A	6/28/2018	ND<40	FALSE
PH1-GWC-3A	12/19/2018	ND<40	FALSE
PH1-GWC-3A	6/11/2019	ND<40	FALSE
PH1-GWC-3A	12/10/2019	ND<40	FALSE
PH1-GWC-3A	6/23/2020	ND<40	FALSE
PH1-GWC-3A	12/16/2020	ND<40	FALSE
PH1-GWC-3A	6/15/2021	ND<40	FALSE
PH1-GWC-3A	12/15/2021	ND<40	FALSE
PH1-GWC-3A	6/8/2022	ND<50	TRUE

PH1-GWC-4	12/9/2016	ND<40	FALSE
PH1-GWC-4	6/16/2017	ND<40	FALSE
PH1-GWC-4	12/12/2017	ND<40	FALSE
PH1-GWC-4	6/20/2018	ND<40	FALSE
PH1-GWC-4	12/20/2018	ND<40	FALSE
PH1-GWC-4	6/13/2019	ND<40	FALSE
PH1-GWC-4	6/23/2020	ND<40	FALSE
PH1-GWC-4	12/18/2020	ND<40	FALSE
PH1-GWC-4	6/17/2021	ND<40	FALSE
PH1-GWC-4	12/16/2021	ND<40	FALSE
PH1-GWC-4	6/7/2022	ND<40	FALSE

Zinc

Non-Parametric Tolerance Interval

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 70.9677%

Background measurements (n) = 24

Maximum Background Concentration = 48.9

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
PH1-GWA-1A	12/7/2016	ND<20	FALSE
PH1-GWA-1A	6/12/2017	ND<20	FALSE
PH1-GWA-1A	12/13/2017	ND<20	FALSE
PH1-GWA-1A	6/20/2018	ND<20	FALSE
PH1-GWA-1A	12/19/2018	ND<20	FALSE
PH1-GWA-1A	6/11/2019	ND<20	FALSE
PH1-GWA-1A	12/10/2019	ND<20	FALSE
PH1-GWA-1A	6/22/2020	ND<20	FALSE
PH1-GWA-1A	12/18/2020	ND<20	FALSE
PH1-GWA-1A	6/16/2021	ND<20	FALSE
PH1-GWA-1A	12/14/2021	ND<20	FALSE
PH1-GWA-1A	6/8/2022	38.2	FALSE

PH1-GWC-2	12/7/2016	ND<20	FALSE
PH1-GWC-2	6/14/2017	ND<20	FALSE
PH1-GWC-2	12/13/2017	ND<20	FALSE
PH1-GWC-2	6/19/2018	20	FALSE
PH1-GWC-2	12/18/2018	ND<20	FALSE
PH1-GWC-2	6/10/2019	26	FALSE
PH1-GWC-2	12/10/2019	ND<20	FALSE
PH1-GWC-2	6/22/2020	ND<20	FALSE
PH1-GWC-2	12/17/2020	ND<20	FALSE
PH1-GWC-2	6/17/2021	ND<20	FALSE
PH1-GWC-2	12/17/2021	ND<20	FALSE
PH1-GWC-2	6/8/2022	45.9	FALSE

PH1-GWA-1	12/8/2016	ND<20	FALSE
PH1-GWA-1	6/14/2017	43	FALSE
PH1-GWA-1	12/14/2017	51	TRUE
PH1-GWA-1	6/20/2018	55	TRUE
PH1-GWA-1	12/19/2018	40	FALSE
PH1-GWA-1	6/11/2019	34	FALSE
PH1-GWA-1	12/10/2019	32.4	FALSE
PH1-GWA-1	6/23/2020	ND<20	FALSE
PH1-GWA-1	12/16/2020	ND<20	FALSE
PH1-GWA-1	6/16/2021	ND<20	FALSE
PH1-GWA-1	12/14/2021	31	FALSE
PH1-GWA-1	6/9/2022	ND<20	FALSE

PH1-GWA-2	12/8/2016	ND<20	FALSE
PH1-GWA-2	6/16/2017	ND<20	FALSE

Zinc

PH1-GWA-2	12/14/2017	ND<20	FALSE
PH1-GWA-2	6/19/2018	ND<20	FALSE
PH1-GWA-2	12/19/2018	29	FALSE
PH1-GWA-2	6/12/2019	ND<20	FALSE
PH1-GWA-2	12/10/2019	ND<20	FALSE
PH1-GWA-2	6/25/2020	ND<20	FALSE
PH1-GWA-2	12/16/2020	ND<20	FALSE
PH1-GWA-2	6/17/2021	ND<20	FALSE
PH1-GWA-2	12/15/2021	ND<20	FALSE
PH1-GWA-2	6/8/2022	ND<20	FALSE

PH1-GWB-1	12/8/2016	ND<20	FALSE
PH1-GWB-1	6/16/2017	ND<20	FALSE
PH1-GWB-1	12/13/2017	ND<20	FALSE
PH1-GWB-1	6/19/2018	39	FALSE
PH1-GWB-1	12/18/2018	ND<20	FALSE
PH1-GWB-1	6/12/2019	22	FALSE
PH1-GWB-1	12/11/2019	38.2	FALSE
PH1-GWB-1	6/25/2020	26.8	FALSE
PH1-GWB-1	12/18/2020	ND<20	FALSE
PH1-GWB-1	6/15/2021	ND<20	FALSE
PH1-GWB-1	12/14/2021	ND<20	FALSE
PH1-GWB-1	6/8/2022	ND<20	FALSE

GWC-1	12/9/2016	ND<20	FALSE
GWC-1	6/14/2017	ND<20	FALSE
GWC-1	12/14/2017	ND<20	FALSE
GWC-1	6/20/2018	20	FALSE
GWC-1	12/18/2018	ND<20	FALSE
GWC-1	6/13/2019	ND<20	FALSE
GWC-1	12/11/2019	27.1	FALSE
GWC-1	6/23/2020	55.4	TRUE
GWC-1	12/17/2020	ND<20	FALSE
GWC-1	6/16/2021	ND<20	FALSE
GWC-1	12/16/2021	ND<20	FALSE
GWC-1	6/8/2022	ND<20	FALSE

PH1-GWB-2	12/9/2016	31	FALSE
PH1-GWB-2	6/16/2017	36	FALSE
PH1-GWB-2	12/12/2017	25	FALSE
PH1-GWB-2	6/20/2018	31	FALSE
PH1-GWB-2	12/18/2018	28	FALSE
PH1-GWB-2	6/13/2019	33	FALSE
PH1-GWB-2	12/13/2019	38.3	FALSE
PH1-GWB-2	6/25/2020	25.4	FALSE
PH1-GWB-2	12/18/2020	21.6	FALSE
PH1-GWB-2	6/17/2021	26.3	FALSE
PH1-GWB-2	12/14/2021	23.8	FALSE
PH1-GWB-2	6/10/2022	29.4	FALSE

PH1-GWC-1	12/9/2016	ND<20	FALSE
PH1-GWC-1	6/16/2017	ND<20	FALSE
PH1-GWC-1	12/12/2017	ND<20	FALSE

Zinc

PH1-GWC-1	6/20/2018	ND<20	FALSE
PH1-GWC-1	12/20/2018	ND<20	FALSE
PH1-GWC-1	6/13/2019	ND<20	FALSE
PH1-GWC-1	12/12/2019	ND<20	FALSE
PH1-GWC-1	6/23/2020	32.5	FALSE
PH1-GWC-1	12/18/2020	ND<20	FALSE
PH1-GWC-1	6/17/2021	ND<20	FALSE
PH1-GWC-1	12/16/2021	ND<20	FALSE
PH1-GWC-1	6/10/2022	ND<20	FALSE

PH1-GWC-3	12/9/2016	ND<20	FALSE
PH1-GWC-3	6/14/2017	ND<20	FALSE
PH1-GWC-3	12/13/2017	ND<20	FALSE
PH1-GWC-3	6/20/2018	ND<20	FALSE
PH1-GWC-3	12/19/2018	ND<20	FALSE
PH1-GWC-3	6/11/2019	ND<20	FALSE
PH1-GWC-3	12/10/2019	ND<20	FALSE
PH1-GWC-3	6/23/2020	ND<20	FALSE
PH1-GWC-3	12/16/2020	ND<20	FALSE
PH1-GWC-3	6/15/2021	ND<20	FALSE
PH1-GWC-3	12/15/2021	ND<20	FALSE
PH1-GWC-3	6/8/2022	ND<20	FALSE

PH1-GWC-3A	12/9/2016	ND<20	FALSE
PH1-GWC-3A	6/14/2017	ND<20	FALSE
PH1-GWC-3A	12/13/2017	ND<20	FALSE
PH1-GWC-3A	6/28/2018	21	FALSE
PH1-GWC-3A	12/19/2018	ND<20	FALSE
PH1-GWC-3A	6/11/2019	ND<20	FALSE
PH1-GWC-3A	12/10/2019	ND<20	FALSE
PH1-GWC-3A	6/23/2020	36.9	FALSE
PH1-GWC-3A	12/16/2020	ND<20	FALSE
PH1-GWC-3A	6/15/2021	23.6	FALSE
PH1-GWC-3A	12/15/2021	43.6	FALSE
PH1-GWC-3A	6/8/2022	38.8	FALSE

PH1-GWC-4	12/9/2016	21	FALSE
PH1-GWC-4	6/16/2017	20	FALSE
PH1-GWC-4	12/12/2017	28	FALSE
PH1-GWC-4	6/20/2018	ND<20	FALSE
PH1-GWC-4	12/20/2018	120	TRUE
PH1-GWC-4	6/13/2019	20	FALSE
PH1-GWC-4	6/23/2020	ND<20	FALSE
PH1-GWC-4	12/18/2020	ND<20	FALSE
PH1-GWC-4	6/17/2021	ND<20	FALSE
PH1-GWC-4	12/16/2021	21.7	FALSE
PH1-GWC-4	6/7/2022	30.7	FALSE

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
1,1-Dichloroethane	GWC-18	FALSE	96%
1,1-Dichloroethane	GWC-19R	FALSE	96%
1,1-Dichloroethane	GWC-22	FALSE	96%
1,1-Dichloroethane	GWC-23	FALSE	96%
1,1-Dichloroethane	GWC-23A	FALSE	96%
1,1-Dichloroethane	GWC-16A	FALSE	96%
1,1-Dichloroethane	GWA-1A	FALSE	96%
1,1-Dichloroethane	GWC-11	FALSE	96%
1,1-Dichloroethane	GWC-12	FALSE	96%
1,1-Dichloroethane	GWC-12A	FALSE	96%
1,1-Dichloroethane	GWC-13	FALSE	96%
1,1-Dichloroethane	GWC-24	FALSE	96%
1,1-Dichloroethane	GWC-4	FALSE	96%
1,1-Dichloroethane	GWC-4A	FALSE	96%
1,1-Dichloroethane	GWC-15	TRUE	96%
1,1-Dichloroethane	GWA-3	FALSE	96%
1,1-Dichloroethane	GWC-10	FALSE	96%
1,1-Dichloroethane	GWC-10A	FALSE	96%
1,1-Dichloroethane	GWC-14A	TRUE	96%
1,1-Dichloroethane	GWC-14R	TRUE	96%
1,1-Dichloroethane	GWC-2	FALSE	96%
1,1-Dichloroethane	GWC-3	FALSE	96%
1,1-Dichloroethane	GWC-3A	FALSE	96%
1,1-Dichloroethane	GWC-5	FALSE	96%
1,1-Dichloroethane	GWC-6	FALSE	96%
1,1-Dichloroethane	GWC-7	FALSE	96%
1,1-Dichloroethane	GWC-8	FALSE	96%
1,1-Dichloroethane	GWC-8A	TRUE	96%
1,1-Dichloroethane	GWC-8R	TRUE	96%
1,1-Dichloroethane	GWC-9	FALSE	96%
1,1-Dichloroethane	GWC-14	FALSE	96%
1,1-Dichloroethane	GWC-17	FALSE	96%
Benzene	GWC-18	FALSE	96%
Benzene	GWC-19R	FALSE	96%
Benzene	GWC-22	FALSE	96%
Benzene	GWC-23	FALSE	96%
Benzene	GWC-23A	FALSE	96%
Benzene	GWC-16A	FALSE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Benzene	GWA-1A	FALSE	96%
Benzene	GWC-11	FALSE	96%
Benzene	GWC-12	FALSE	96%
Benzene	GWC-12A	FALSE	96%
Benzene	GWC-13	FALSE	96%
Benzene	GWC-24	FALSE	96%
Benzene	GWC-4	FALSE	96%
Benzene	GWC-4A	FALSE	96%
Benzene	GWC-15	TRUE	96%
Benzene	GWA-3	FALSE	96%
Benzene	GWC-10	FALSE	96%
Benzene	GWC-10A	FALSE	96%
Benzene	GWC-14A	TRUE	96%
Benzene	GWC-14R	FALSE	96%
Benzene	GWC-2	FALSE	96%
Benzene	GWC-3	FALSE	96%
Benzene	GWC-3A	FALSE	96%
Benzene	GWC-5	FALSE	96%
Benzene	GWC-6	FALSE	96%
Benzene	GWC-7	FALSE	96%
Benzene	GWC-8	FALSE	96%
Benzene	GWC-8A	FALSE	96%
Benzene	GWC-8R	FALSE	96%
Benzene	GWC-9	FALSE	96%
Benzene	GWC-14	FALSE	96%
Benzene	GWC-17	FALSE	96%
Chlorobenzene	GWC-18	FALSE	96%
Chlorobenzene	GWC-19R	FALSE	96%
Chlorobenzene	GWC-22	FALSE	96%
Chlorobenzene	GWC-23	FALSE	96%
Chlorobenzene	GWC-23A	FALSE	96%
Chlorobenzene	GWC-16A	FALSE	96%
Chlorobenzene	GWA-1A	FALSE	96%
Chlorobenzene	GWC-11	FALSE	96%
Chlorobenzene	GWC-12	FALSE	96%
Chlorobenzene	GWC-12A	FALSE	96%
Chlorobenzene	GWC-13	FALSE	96%
Chlorobenzene	GWC-24	FALSE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Chlorobenzene	GWC-4	FALSE	96%
Chlorobenzene	GWC-4A	FALSE	96%
Chlorobenzene	GWC-15	FALSE	96%
Chlorobenzene	GWA-3	FALSE	96%
Chlorobenzene	GWC-10	FALSE	96%
Chlorobenzene	GWC-10A	FALSE	96%
Chlorobenzene	GWC-14A	Passed KW	96%
Chlorobenzene	GWC-14R	FALSE	96%
Chlorobenzene	GWC-2	FALSE	96%
Chlorobenzene	GWC-3	FALSE	96%
Chlorobenzene	GWC-3A	FALSE	96%
Chlorobenzene	GWC-5	FALSE	96%
Chlorobenzene	GWC-6	FALSE	96%
Chlorobenzene	GWC-7	FALSE	96%
Chlorobenzene	GWC-8	FALSE	96%
Chlorobenzene	GWC-8A	FALSE	96%
Chlorobenzene	GWC-8R	FALSE	96%
Chlorobenzene	GWC-9	FALSE	96%
Chlorobenzene	GWC-14	FALSE	96%
Chlorobenzene	GWC-17	FALSE	96%
Chloroethane	GWC-18	FALSE	96%
Chloroethane	GWC-19R	FALSE	96%
Chloroethane	GWC-22	FALSE	96%
Chloroethane	GWC-23	FALSE	96%
Chloroethane	GWC-23A	FALSE	96%
Chloroethane	GWC-16A	FALSE	96%
Chloroethane	GWA-1A	FALSE	96%
Chloroethane	GWC-11	FALSE	96%
Chloroethane	GWC-12	FALSE	96%
Chloroethane	GWC-12A	FALSE	96%
Chloroethane	GWC-13	FALSE	96%
Chloroethane	GWC-24	FALSE	96%
Chloroethane	GWC-4	FALSE	96%
Chloroethane	GWC-4A	FALSE	96%
Chloroethane	GWC-15	FALSE	96%
Chloroethane	GWA-3	FALSE	96%
Chloroethane	GWC-10	FALSE	96%
Chloroethane	GWC-10A	FALSE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Chloroethane	GWC-14A	TRUE	96%
Chloroethane	GWC-14R	FALSE	96%
Chloroethane	GWC-2	FALSE	96%
Chloroethane	GWC-3	FALSE	96%
Chloroethane	GWC-3A	FALSE	96%
Chloroethane	GWC-5	FALSE	96%
Chloroethane	GWC-6	FALSE	96%
Chloroethane	GWC-7	FALSE	96%
Chloroethane	GWC-8	FALSE	96%
Chloroethane	GWC-8A	FALSE	96%
Chloroethane	GWC-8R	FALSE	96%
Chloroethane	GWC-9	FALSE	96%
Chloroethane	GWC-14	FALSE	96%
Chloroethane	GWC-17	FALSE	96%
cis-1,2-Dichloroethene	GWC-18	TRUE	96%
cis-1,2-Dichloroethene	GWC-19R	TRUE	96%
cis-1,2-Dichloroethene	GWC-22	FALSE	96%
cis-1,2-Dichloroethene	GWC-23	FALSE	96%
cis-1,2-Dichloroethene	GWC-23A	FALSE	96%
cis-1,2-Dichloroethene	GWC-16A	FALSE	96%
cis-1,2-Dichloroethene	GWA-1A	FALSE	96%
cis-1,2-Dichloroethene	GWC-11	FALSE	96%
cis-1,2-Dichloroethene	GWC-12	FALSE	96%
cis-1,2-Dichloroethene	GWC-12A	FALSE	96%
cis-1,2-Dichloroethene	GWC-13	FALSE	96%
cis-1,2-Dichloroethene	GWC-24	FALSE	96%
cis-1,2-Dichloroethene	GWC-4	FALSE	96%
cis-1,2-Dichloroethene	GWC-4A	FALSE	96%
cis-1,2-Dichloroethene	GWC-15	TRUE	96%
cis-1,2-Dichloroethene	GWA-3	FALSE	96%
cis-1,2-Dichloroethene	GWC-10	FALSE	96%
cis-1,2-Dichloroethene	GWC-10A	FALSE	96%
cis-1,2-Dichloroethene	GWC-14A	TRUE	96%
cis-1,2-Dichloroethene	GWC-14R	TRUE	96%
cis-1,2-Dichloroethene	GWC-2	FALSE	96%
cis-1,2-Dichloroethene	GWC-3	FALSE	96%
cis-1,2-Dichloroethene	GWC-3A	FALSE	96%
cis-1,2-Dichloroethene	GWC-5	FALSE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
cis-1,2-Dichloroethene	GWC-6	FALSE	96%
cis-1,2-Dichloroethene	GWC-7	FALSE	96%
cis-1,2-Dichloroethene	GWC-8	FALSE	96%
cis-1,2-Dichloroethene	GWC-8A	TRUE	96%
cis-1,2-Dichloroethene	GWC-8R	TRUE	96%
cis-1,2-Dichloroethene	GWC-9	FALSE	96%
cis-1,2-Dichloroethene	GWC-14	FALSE	96%
cis-1,2-Dichloroethene	GWC-17	TRUE	96%
Tetrachloroethene	GWC-18	TRUE	96%
Tetrachloroethene	GWC-19R	FALSE	96%
Tetrachloroethene	GWC-22	FALSE	96%
Tetrachloroethene	GWC-23	FALSE	96%
Tetrachloroethene	GWC-23A	FALSE	96%
Tetrachloroethene	GWC-16A	FALSE	96%
Tetrachloroethene	GWA-1A	FALSE	96%
Tetrachloroethene	GWC-11	FALSE	96%
Tetrachloroethene	GWC-12	FALSE	96%
Tetrachloroethene	GWC-12A	FALSE	96%
Tetrachloroethene	GWC-13	FALSE	96%
Tetrachloroethene	GWC-24	FALSE	96%
Tetrachloroethene	GWC-4	FALSE	96%
Tetrachloroethene	GWC-4A	FALSE	96%
Tetrachloroethene	GWC-15	TRUE	96%
Tetrachloroethene	GWA-3	FALSE	96%
Tetrachloroethene	GWC-10	FALSE	96%
Tetrachloroethene	GWC-10A	FALSE	96%
Tetrachloroethene	GWC-14A	FALSE	96%
Tetrachloroethene	GWC-14R	FALSE	96%
Tetrachloroethene	GWC-2	FALSE	96%
Tetrachloroethene	GWC-3	FALSE	96%
Tetrachloroethene	GWC-3A	FALSE	96%
Tetrachloroethene	GWC-5	FALSE	96%
Tetrachloroethene	GWC-6	FALSE	96%
Tetrachloroethene	GWC-7	FALSE	96%
Tetrachloroethene	GWC-8	FALSE	96%
Tetrachloroethene	GWC-8A	FALSE	96%
Tetrachloroethene	GWC-8R	FALSE	96%
Tetrachloroethene	GWC-9	FALSE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Tetrachloroethene	GWC-14	FALSE	96%
Tetrachloroethene	GWC-17	FALSE	96%
Trichloroethene	GWC-18	FALSE	96%
Trichloroethene	GWC-19R	FALSE	96%
Trichloroethene	GWC-22	FALSE	96%
Trichloroethene	GWC-23	FALSE	96%
Trichloroethene	GWC-23A	FALSE	96%
Trichloroethene	GWC-16A	FALSE	96%
Trichloroethene	GWA-1A	FALSE	96%
Trichloroethene	GWC-11	FALSE	96%
Trichloroethene	GWC-12	FALSE	96%
Trichloroethene	GWC-12A	FALSE	96%
Trichloroethene	GWC-13	FALSE	96%
Trichloroethene	GWC-24	FALSE	96%
Trichloroethene	GWC-4	FALSE	96%
Trichloroethene	GWC-4A	FALSE	96%
Trichloroethene	GWC-15	TRUE	96%
Trichloroethene	GWA-3	FALSE	96%
Trichloroethene	GWC-10	FALSE	96%
Trichloroethene	GWC-10A	FALSE	96%
Trichloroethene	GWC-14A	FALSE	96%
Trichloroethene	GWC-14R	TRUE	96%
Trichloroethene	GWC-2	FALSE	96%
Trichloroethene	GWC-3	FALSE	96%
Trichloroethene	GWC-3A	FALSE	96%
Trichloroethene	GWC-5	FALSE	96%
Trichloroethene	GWC-6	FALSE	96%
Trichloroethene	GWC-7	FALSE	96%
Trichloroethene	GWC-8	FALSE	96%
Trichloroethene	GWC-8A	FALSE	96%
Trichloroethene	GWC-8R	FALSE	96%
Trichloroethene	GWC-9	FALSE	96%
Trichloroethene	GWC-14	FALSE	96%
Trichloroethene	GWC-17	FALSE	96%
Vinyl chloride	GWC-18	FALSE	96%
Vinyl chloride	GWC-19R	FALSE	96%
Vinyl chloride	GWC-22	FALSE	96%
Vinyl chloride	GWC-23	FALSE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Vinyl chloride	GWC-23A	FALSE	96%
Vinyl chloride	GWC-16A	FALSE	96%
Vinyl chloride	GWA-1A	FALSE	96%
Vinyl chloride	GWC-11	FALSE	96%
Vinyl chloride	GWC-12	FALSE	96%
Vinyl chloride	GWC-12A	FALSE	96%
Vinyl chloride	GWC-13	FALSE	96%
Vinyl chloride	GWC-24	FALSE	96%
Vinyl chloride	GWC-4	FALSE	96%
Vinyl chloride	GWC-4A	FALSE	96%
Vinyl chloride	GWC-15	FALSE	96%
Vinyl chloride	GWA-3	FALSE	96%
Vinyl chloride	GWC-10	FALSE	96%
Vinyl chloride	GWC-10A	FALSE	96%
Vinyl chloride	GWC-14A	TRUE	96%
Vinyl chloride	GWC-14R	FALSE	96%
Vinyl chloride	GWC-2	FALSE	96%
Vinyl chloride	GWC-3	FALSE	96%
Vinyl chloride	GWC-3A	FALSE	96%
Vinyl chloride	GWC-5	FALSE	96%
Vinyl chloride	GWC-6	FALSE	96%
Vinyl chloride	GWC-7	FALSE	96%
Vinyl chloride	GWC-8	FALSE	96%
Vinyl chloride	GWC-8A	FALSE	96%
Vinyl chloride	GWC-8R	FALSE	96%
Vinyl chloride	GWC-9	FALSE	96%
Vinyl chloride	GWC-14	FALSE	96%
Vinyl chloride	GWC-17	FALSE	96%
Barium	GWA-1A	FALSE	96%
Barium	GWC-18	TRUE	96%
Barium	GWC-19R	TRUE	96%
Barium	GWC-22	FALSE	96%
Barium	GWC-23	FALSE	96%
Barium	GWC-23A	FALSE	96%
Barium	GWC-15	TRUE	96%
Barium	GWC-16A	FALSE	96%
Barium	GWC-11	FALSE	96%
Barium	GWC-12	FALSE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Barium	GWC-12A	FALSE	96%
Barium	GWC-13	FALSE	96%
Barium	GWC-14A	TRUE	96%
Barium	GWC-4	FALSE	96%
Barium	GWC-4A	FALSE	96%
Barium	GWA-3	FALSE	96%
Barium	GWC-10	FALSE	96%
Barium	GWC-10A	FALSE	96%
Barium	GWC-2	FALSE	96%
Barium	GWC-3A	FALSE	96%
Barium	GWC-5	FALSE	96%
Barium	GWC-6	FALSE	96%
Barium	GWC-7	FALSE	96%
Barium	GWC-8	FALSE	96%
Barium	GWC-8A	TRUE	96%
Barium	GWC-9	TRUE	96%
Barium	GWC-17	Passed KW	96%
Barium	GWC-24	FALSE	96%
Barium	GWC-14	FALSE	96%
Barium	GWC-3	FALSE	96%
Barium	GWC-14R	Passed KW	96%
Barium	GWC-8R	FALSE	96%
Cobalt	GWA-1A	FALSE	96%
Cobalt	GWC-18	FALSE	96%
Cobalt	GWC-19R	FALSE	96%
Cobalt	GWC-22	FALSE	96%
Cobalt	GWC-23	FALSE	96%
Cobalt	GWC-23A	FALSE	96%
Cobalt	GWC-15	FALSE	96%
Cobalt	GWC-16A	FALSE	96%
Cobalt	GWC-11	FALSE	96%
Cobalt	GWC-12	FALSE	96%
Cobalt	GWC-12A	FALSE	96%
Cobalt	GWC-13	FALSE	96%
Cobalt	GWC-14A	TRUE	96%
Cobalt	GWC-4	FALSE	96%
Cobalt	GWC-4A	FALSE	96%
Cobalt	GWA-3	FALSE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Cobalt	GWC-10	FALSE	96%
Cobalt	GWC-10A	FALSE	96%
Cobalt	GWC-2	FALSE	96%
Cobalt	GWC-3A	FALSE	96%
Cobalt	GWC-5	FALSE	96%
Cobalt	GWC-6	FALSE	96%
Cobalt	GWC-7	FALSE	96%
Cobalt	GWC-8	FALSE	96%
Cobalt	GWC-8A	FALSE	96%
Cobalt	GWC-9	FALSE	96%
Cobalt	GWC-17	FALSE	96%
Cobalt	GWC-24	FALSE	96%
Cobalt	GWC-14	TRUE	96%
Cobalt	GWC-3	FALSE	96%
Cobalt	GWC-14R	FALSE	96%
Cobalt	GWC-8R	FALSE	96%
Nickel	GWA-1A	FALSE	96%
Nickel	GWC-18	FALSE	96%
Nickel	GWC-19R	FALSE	96%
Nickel	GWC-22	FALSE	96%
Nickel	GWC-23	FALSE	96%
Nickel	GWC-23A	FALSE	96%
Nickel	GWC-15	FALSE	96%
Nickel	GWC-16A	FALSE	96%
Nickel	GWC-11	FALSE	96%
Nickel	GWC-12	FALSE	96%
Nickel	GWC-12A	FALSE	96%
Nickel	GWC-13	FALSE	96%
Nickel	GWC-14A	FALSE	96%
Nickel	GWC-4	FALSE	96%
Nickel	GWC-4A	FALSE	96%
Nickel	GWA-3	FALSE	96%
Nickel	GWC-10	FALSE	96%
Nickel	GWC-10A	FALSE	96%
Nickel	GWC-2	FALSE	96%
Nickel	GWC-3A	FALSE	96%
Nickel	GWC-5	FALSE	96%
Nickel	GWC-6	FALSE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2022 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Nickel	GWC-7	FALSE	96%
Nickel	GWC-8	FALSE	96%
Nickel	GWC-8A	FALSE	96%
Nickel	GWC-9	FALSE	96%
Nickel	GWC-17	FALSE	96%
Nickel	GWC-24	FALSE	96%
Nickel	GWC-14	FALSE	96%
Nickel	GWC-3	FALSE	96%
Nickel	GWC-14R	FALSE	96%
Nickel	GWC-8R	FALSE	96%
Zinc	GWA-1A	FALSE	96%
Zinc	GWC-18	FALSE	96%
Zinc	GWC-19R	FALSE	96%
Zinc	GWC-22	FALSE	96%
Zinc	GWC-23	FALSE	96%
Zinc	GWC-23A	FALSE	96%
Zinc	GWC-15	FALSE	96%
Zinc	GWC-16A	FALSE	96%
Zinc	GWC-11	FALSE	96%
Zinc	GWC-12	FALSE	96%
Zinc	GWC-12A	FALSE	96%
Zinc	GWC-13	FALSE	96%
Zinc	GWC-14A	FALSE	96%
Zinc	GWC-4	FALSE	96%
Zinc	GWC-4A	FALSE	96%
Zinc	GWA-3	FALSE	96%
Zinc	GWC-10	FALSE	96%
Zinc	GWC-10A	FALSE	96%
Zinc	GWC-2	FALSE	96%
Zinc	GWC-3A	FALSE	96%
Zinc	GWC-5	FALSE	96%
Zinc	GWC-6	FALSE	96%
Zinc	GWC-7	FALSE	96%
Zinc	GWC-8	FALSE	96%
Zinc	GWC-8A	FALSE	96%
Zinc	GWC-9	TRUE	96%
Zinc	GWC-17	FALSE	96%
Zinc	GWC-24	FALSE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2022 Groundwater Monitoring Event
Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Zinc	GWC-14	FALSE	96%

Notes:

1. Original data are not transformed.
2. Kruskal-Wallis (K-W) non-parametric test is performed on all samples.
3. K-W detects are screened for false positives with NPTI.

1,1-Dichloroethane

Non-Parametric Tolerance Interval

Parameter: 1,1-Dichloroethane

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 84.8866%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWC-18	12/6/2016	ND<2	FALSE
GWC-18	6/14/2017	ND<2	FALSE
GWC-18	12/13/2017	ND<2	FALSE
GWC-18	6/19/2018	ND<2	FALSE
GWC-18	12/18/2018	ND<2	FALSE
GWC-18	6/11/2019	ND<2	FALSE
GWC-18	12/9/2019	ND<2	FALSE
GWC-18	6/23/2020	ND<2	FALSE
GWC-18	12/15/2020	ND<2	FALSE
GWC-18	6/14/2021	ND<2	FALSE
GWC-18	12/14/2021	ND<2	FALSE
GWC-18	6/7/2022	ND<2	FALSE

GWC-19R	12/6/2016	ND<2	FALSE
GWC-19R	6/14/2017	ND<2	FALSE
GWC-19R	12/13/2017	ND<2	FALSE
GWC-19R	6/19/2018	ND<2	FALSE
GWC-19R	12/18/2018	ND<2	FALSE
GWC-19R	6/11/2019	ND<2	FALSE
GWC-19R	12/9/2019	ND<2	FALSE
GWC-19R	6/23/2020	ND<2	FALSE
GWC-19R	12/15/2020	ND<2	FALSE
GWC-19R	6/14/2021	ND<2	FALSE
GWC-19R	12/14/2021	ND<2	FALSE
GWC-19R	6/6/2022	ND<2	FALSE

GWC-22	12/6/2016	ND<2	FALSE
GWC-22	6/14/2017	ND<2	FALSE
GWC-22	12/11/2017	ND<2	FALSE
GWC-22	6/19/2018	ND<2	FALSE
GWC-22	12/18/2018	ND<2	FALSE
GWC-22	6/12/2019	ND<2	FALSE
GWC-22	12/11/2019	ND<2	FALSE
GWC-22	6/23/2020	ND<2	FALSE
GWC-22	12/17/2020	ND<2	FALSE
GWC-22	6/14/2021	ND<2	FALSE
GWC-22	12/13/2021	ND<2	FALSE
GWC-22	6/6/2022	ND<2	FALSE

GWC-23	12/6/2016	ND<2	FALSE
GWC-23	6/14/2017	ND<2	FALSE

1,1-Dichloroethane

GWC-23	12/11/2017	ND<2	FALSE
GWC-23	6/18/2018	ND<2	FALSE
GWC-23	12/18/2018	ND<2	FALSE
GWC-23	6/12/2019	ND<2	FALSE
GWC-23	12/11/2019	ND<2	FALSE
GWC-23	6/24/2020	ND<2	FALSE
GWC-23	12/16/2020	ND<2	FALSE
GWC-23	6/14/2021	ND<2	FALSE
GWC-23	12/13/2021	ND<2	FALSE
GWC-23	6/6/2022	ND<2	FALSE

GWC-23A	12/6/2016	ND<2	FALSE
GWC-23A	6/14/2017	ND<2	FALSE
GWC-23A	12/11/2017	ND<2	FALSE
GWC-23A	6/18/2018	ND<2	FALSE
GWC-23A	12/18/2018	ND<2	FALSE
GWC-23A	6/12/2019	ND<2	FALSE
GWC-23A	12/11/2019	ND<2	FALSE
GWC-23A	6/24/2020	ND<2	FALSE
GWC-23A	12/16/2020	ND<2	FALSE
GWC-23A	6/14/2021	ND<2	FALSE
GWC-23A	12/13/2021	ND<2	FALSE
GWC-23A	6/6/2022	ND<2	FALSE

GWC-16A	12/7/2016	ND<2	FALSE
GWC-16A	6/14/2017	3.7	TRUE
GWC-16A	12/13/2017	ND<2	FALSE
GWC-16A	6/21/2018	ND<2	FALSE
GWC-16A	12/19/2018	ND<2	FALSE
GWC-16A	6/13/2019	ND<2	FALSE
GWC-16A	12/11/2019	ND<2	FALSE
GWC-16A	6/23/2020	ND<2	FALSE
GWC-16A	12/17/2020	ND<2	FALSE
GWC-16A	6/16/2021	ND<2	FALSE
GWC-16A	12/16/2021	ND<2	FALSE
GWC-16A	6/9/2022	ND<2	FALSE

GWA-1A	12/7/2016	ND<2	FALSE
GWA-1A	6/12/2017	ND<2	FALSE
GWA-1A	12/13/2017	ND<2	FALSE
GWA-1A	6/19/2018	ND<2	FALSE
GWA-1A	12/18/2018	ND<2	FALSE
GWA-1A	6/10/2019	ND<2	FALSE
GWA-1A	12/9/2019	ND<2	FALSE
GWA-1A	6/23/2020	ND<2	FALSE
GWA-1A	12/17/2020	ND<2	FALSE
GWA-1A	6/17/2021	ND<2	FALSE
GWA-1A	12/16/2021	ND<2	FALSE
GWA-1A	6/8/2022	ND<2	FALSE

GWC-11	12/7/2016	ND<2	FALSE
GWC-11	6/14/2017	ND<2	FALSE
GWC-11	12/13/2017	ND<2	FALSE

1,1-Dichloroethane

GWC-11	6/19/2018	ND<2	FALSE
GWC-11	12/19/2018	ND<2	FALSE
GWC-11	6/12/2019	ND<2	FALSE
GWC-11	12/12/2019	ND<2	FALSE
GWC-11	6/24/2020	ND<2	FALSE
GWC-11	12/15/2020	ND<2	FALSE
GWC-11	6/15/2021	ND<2	FALSE
GWC-11	12/13/2021	ND<2	FALSE
GWC-11	6/7/2022	ND<2	FALSE

GWC-12	12/7/2016	ND<2	FALSE
GWC-12	6/14/2017	ND<2	FALSE
GWC-12	12/13/2017	ND<2	FALSE
GWC-12	6/19/2018	ND<2	FALSE
GWC-12	12/19/2018	ND<2	FALSE
GWC-12	6/11/2019	ND<2	FALSE
GWC-12	12/9/2019	ND<2	FALSE
GWC-12	6/24/2020	ND<2	FALSE
GWC-12	12/15/2020	ND<2	FALSE
GWC-12	6/15/2021	ND<2	FALSE
GWC-12	12/13/2021	ND<2	FALSE
GWC-12	6/7/2022	ND<2	FALSE

GWC-12A	12/7/2016	ND<2	FALSE
GWC-12A	6/14/2017	ND<2	FALSE
GWC-12A	12/13/2017	ND<2	FALSE
GWC-12A	6/19/2018	ND<2	FALSE
GWC-12A	12/19/2018	ND<2	FALSE
GWC-12A	6/11/2019	ND<2	FALSE
GWC-12A	12/9/2019	ND<2	FALSE
GWC-12A	6/24/2020	ND<2	FALSE
GWC-12A	12/15/2020	ND<2	FALSE
GWC-12A	6/15/2021	ND<2	FALSE
GWC-12A	12/13/2021	ND<2	FALSE
GWC-12A	6/7/2022	ND<2	FALSE

GWC-13	12/7/2016	ND<2	FALSE
GWC-13	6/14/2017	ND<2	FALSE
GWC-13	12/12/2017	ND<2	FALSE
GWC-13	6/19/2018	ND<2	FALSE
GWC-13	12/19/2018	ND<2	FALSE
GWC-13	6/12/2019	ND<2	FALSE
GWC-13	12/11/2019	ND<2	FALSE
GWC-13	6/23/2020	ND<2	FALSE
GWC-13	12/15/2020	ND<2	FALSE
GWC-13	6/15/2021	ND<2	FALSE
GWC-13	12/15/2021	ND<2	FALSE
GWC-13	6/8/2022	ND<2	FALSE

GWC-24	12/7/2016	ND<2	FALSE
GWC-24	6/14/2017	ND<2	FALSE
GWC-24	12/13/2017	ND<2	FALSE
GWC-24	6/19/2018	ND<2	FALSE

1,1-Dichloroethane

GWC-24	12/19/2018	ND<2	FALSE
GWC-24	6/11/2019	ND<2	FALSE
GWC-24	12/9/2019	ND<2	FALSE
GWC-24	6/24/2020	ND<2	FALSE
GWC-24	12/15/2020	ND<2	FALSE
GWC-24	6/14/2021	ND<2	FALSE
GWC-24	12/14/2021	ND<2	FALSE
GWC-24	6/7/2022	ND<2	FALSE

GWC-4	12/7/2016	ND<2	FALSE
GWC-4	6/20/2018	ND<2	FALSE
GWC-4	6/23/2020	ND<2	FALSE
GWC-4	12/17/2020	ND<2	FALSE
GWC-4	6/16/2021	ND<2	FALSE
GWC-4	12/14/2021	ND<2	FALSE
GWC-4	6/8/2022	ND<2	FALSE

GWC-4A	12/7/2016	ND<2	FALSE
GWC-4A	6/13/2017	ND<2	FALSE
GWC-4A	12/12/2017	ND<2	FALSE
GWC-4A	6/20/2018	ND<2	FALSE
GWC-4A	12/17/2018	ND<2	FALSE
GWC-4A	6/11/2019	ND<2	FALSE
GWC-4A	12/11/2019	ND<2	FALSE
GWC-4A	6/23/2020	ND<2	FALSE
GWC-4A	12/17/2020	ND<2	FALSE
GWC-4A	6/17/2021	ND<2	FALSE
GWC-4A	12/15/2021	ND<2	FALSE
GWC-4A	6/8/2022	ND<2	FALSE

GWC-15	12/8/2016	38	TRUE
GWC-15	6/14/2017	2.9	TRUE
GWC-15	12/13/2017	3.7	TRUE
GWC-15	6/19/2018	ND<2	FALSE
GWC-15	12/19/2018	3	TRUE
GWC-15	6/11/2019	38	TRUE
GWC-15	12/10/2019	23	TRUE
GWC-15	6/25/2020	39	TRUE
GWC-15	12/17/2020	33	TRUE
GWC-15	6/16/2021	42	TRUE
GWC-15	12/14/2021	39	TRUE
GWC-15	6/9/2022	39	TRUE

GWA-3	12/8/2016	ND<2	FALSE
GWA-3	6/14/2017	ND<2	FALSE
GWA-3	12/11/2017	ND<2	FALSE
GWA-3	6/18/2018	ND<2	FALSE
GWA-3	12/17/2018	ND<2	FALSE
GWA-3	6/11/2019	ND<2	FALSE
GWA-3	12/10/2019	ND<2	FALSE
GWA-3	6/22/2020	ND<2	FALSE
GWA-3	12/16/2020	ND<2	FALSE
GWA-3	6/14/2021	ND<2	FALSE

1,1-Dichloroethane

GWA-3	12/14/2021	ND<2	FALSE
GWA-3	6/6/2022	ND<2	FALSE
<hr/>			
GWC-10	12/8/2016	ND<2	FALSE
GWC-10	6/15/2017	ND<2	FALSE
GWC-10	12/12/2017	ND<2	FALSE
GWC-10	6/19/2018	ND<2	FALSE
GWC-10	12/17/2018	ND<2	FALSE
GWC-10	6/10/2019	ND<2	FALSE
GWC-10	12/12/2019	ND<2	FALSE
GWC-10	6/24/2020	ND<2	FALSE
GWC-10	12/15/2020	ND<2	FALSE
GWC-10	6/15/2021	ND<2	FALSE
GWC-10	12/15/2021	ND<2	FALSE
GWC-10	6/7/2022	ND<2	FALSE
<hr/>			
GWC-10A	12/8/2016	ND<2	FALSE
GWC-10A	6/15/2017	ND<2	FALSE
GWC-10A	12/12/2017	ND<2	FALSE
GWC-10A	6/19/2018	ND<2	FALSE
GWC-10A	12/17/2018	ND<2	FALSE
GWC-10A	6/10/2019	ND<2	FALSE
GWC-10A	12/12/2019	ND<2	FALSE
GWC-10A	6/24/2020	ND<2	FALSE
GWC-10A	12/15/2020	ND<2	FALSE
GWC-10A	6/15/2021	ND<2	FALSE
GWC-10A	12/15/2021	ND<2	FALSE
GWC-10A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-14A	12/8/2016	22	TRUE
GWC-14A	6/13/2017	16	TRUE
GWC-14A	12/12/2017	23	TRUE
GWC-14A	6/20/2018	17	TRUE
GWC-14A	12/19/2018	16	TRUE
GWC-14A	6/11/2019	9.2	TRUE
GWC-14A	12/10/2019	14	TRUE
GWC-14A	6/24/2020	10	TRUE
GWC-14A	12/15/2020	11	TRUE
GWC-14A	6/15/2021	9.2	TRUE
GWC-14A	12/14/2021	13	TRUE
GWC-14A	6/9/2022	9.5	TRUE
<hr/>			
GWC-14R	12/8/2016	24	TRUE
GWC-14R	6/13/2017	21	TRUE
GWC-14R	12/12/2017	20	TRUE
GWC-14R	6/20/2018	22	TRUE
GWC-14R	12/19/2018	18	TRUE
GWC-14R	6/12/2019	18	TRUE
GWC-14R	12/10/2019	14	TRUE
GWC-14R	6/23/2020	18	TRUE
GWC-14R	12/17/2020	19	TRUE
GWC-14R	6/16/2021	16	TRUE
GWC-14R	12/14/2021	14	TRUE

1,1-Dichloroethane

GWC-14R	6/9/2022	11	TRUE
<hr/>			
GWC-2	12/8/2016	ND<2	FALSE
GWC-2	6/15/2017	ND<2	FALSE
GWC-2	12/13/2017	ND<2	FALSE
GWC-2	6/20/2018	ND<2	FALSE
GWC-2	12/19/2018	ND<2	FALSE
GWC-2	6/12/2019	ND<2	FALSE
GWC-2	12/10/2019	ND<2	FALSE
GWC-2	6/22/2020	ND<2	FALSE
GWC-2	12/16/2020	ND<2	FALSE
GWC-2	6/15/2021	ND<2	FALSE
GWC-2	12/15/2021	ND<2	FALSE
GWC-2	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3	12/8/2016	ND<2	FALSE
GWC-3	6/15/2017	ND<2	FALSE
GWC-3	6/21/2018	ND<2	FALSE
GWC-3	12/17/2018	ND<2	FALSE
GWC-3	6/11/2019	ND<2	FALSE
GWC-3	12/10/2019	ND<2	FALSE
GWC-3	6/24/2020	ND<2	FALSE
GWC-3	12/16/2020	ND<2	FALSE
GWC-3	6/15/2021	ND<2	FALSE
GWC-3	12/15/2021	ND<2	FALSE
GWC-3	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3A	12/8/2016	ND<2	FALSE
GWC-3A	6/15/2017	ND<2	FALSE
GWC-3A	12/12/2017	ND<2	FALSE
GWC-3A	6/20/2018	ND<2	FALSE
GWC-3A	12/17/2018	ND<2	FALSE
GWC-3A	6/11/2019	ND<2	FALSE
GWC-3A	12/10/2019	ND<2	FALSE
GWC-3A	6/24/2020	ND<2	FALSE
GWC-3A	12/16/2020	ND<2	FALSE
GWC-3A	6/14/2021	ND<2	FALSE
GWC-3A	12/15/2021	ND<2	FALSE
GWC-3A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-5	12/8/2016	ND<2	FALSE
GWC-5	6/12/2017	ND<2	FALSE
GWC-5	12/12/2017	ND<2	FALSE
GWC-5	6/21/2018	ND<2	FALSE
GWC-5	12/18/2018	ND<2	FALSE
GWC-5	6/12/2019	ND<2	FALSE
GWC-5	12/10/2019	ND<2	FALSE
GWC-5	6/23/2020	ND<2	FALSE
GWC-5	12/17/2020	ND<2	FALSE
GWC-5	6/15/2021	ND<2	FALSE
GWC-5	12/13/2021	ND<2	FALSE
GWC-5	6/8/2022	ND<2	FALSE

1,1-Dichloroethane

GWC-6	12/8/2016	ND<2	FALSE
GWC-6	6/12/2017	ND<2	FALSE
GWC-6	12/13/2017	ND<2	FALSE
GWC-6	6/21/2018	ND<2	FALSE
GWC-6	12/19/2018	ND<2	FALSE
GWC-6	6/12/2019	ND<2	FALSE
GWC-6	12/10/2019	ND<2	FALSE
GWC-6	6/24/2020	ND<2	FALSE
GWC-6	12/17/2020	ND<2	FALSE
GWC-6	6/15/2021	ND<2	FALSE
GWC-6	12/13/2021	ND<2	FALSE
GWC-6	6/8/2022	ND<2	FALSE

GWC-7	12/8/2016	ND<2	FALSE
GWC-7	6/12/2017	ND<2	FALSE
GWC-7	12/12/2017	ND<2	FALSE
GWC-7	6/19/2018	ND<2	FALSE
GWC-7	12/18/2018	ND<2	FALSE
GWC-7	6/12/2019	ND<2	FALSE
GWC-7	12/11/2019	ND<2	FALSE
GWC-7	6/24/2020	ND<2	FALSE
GWC-7	12/17/2020	ND<2	FALSE
GWC-7	6/15/2021	ND<2	FALSE
GWC-7	12/13/2021	ND<2	FALSE
GWC-7	6/8/2022	ND<2	FALSE

GWC-8	12/8/2016	ND<2	FALSE
GWC-8	12/12/2017	ND<2	FALSE
GWC-8	6/20/2018	ND<2	FALSE
GWC-8	12/19/2018	ND<2	FALSE
GWC-8	6/12/2019	ND<2	FALSE
GWC-8	12/11/2019	ND<2	FALSE
GWC-8	6/23/2020	ND<2	FALSE
GWC-8	12/16/2020	ND<2	FALSE
GWC-8	6/16/2021	ND<2	FALSE
GWC-8	12/15/2021	ND<2	FALSE
GWC-8	6/9/2022	ND<2	FALSE

GWC-8A	12/8/2016	5.1	TRUE
GWC-8A	6/13/2017	3	TRUE
GWC-8A	12/12/2017	4.9	TRUE
GWC-8A	6/20/2018	3.9	TRUE
GWC-8A	12/19/2018	4.2	TRUE
GWC-8A	6/12/2019	2.6	TRUE
GWC-8A	12/11/2019	3.7	TRUE
GWC-8A	6/23/2020	2.4	TRUE
GWC-8A	12/15/2020	3.2	TRUE
GWC-8A	6/16/2021	2.5	TRUE
GWC-8A	12/15/2021	2.3	TRUE
GWC-8A	6/9/2022	2.1	TRUE

GWC-8R	12/8/2016	15	TRUE
--------	-----------	----	------

1,1-Dichloroethane

GWC-8R	6/13/2017	14	TRUE
GWC-8R	12/12/2017	14	TRUE
GWC-8R	6/20/2018	22	TRUE
GWC-8R	12/19/2018	13	TRUE
GWC-8R	6/12/2019	12	TRUE
GWC-8R	12/11/2019	9.3	TRUE
GWC-8R	6/23/2020	13	TRUE
GWC-8R	12/15/2020	12	TRUE
GWC-8R	6/16/2021	16	TRUE
GWC-8R	12/15/2021	11	TRUE
GWC-8R	6/9/2022	8.8	TRUE

GWC-9	12/8/2016	ND<2	FALSE
GWC-9	6/15/2017	ND<2	FALSE
GWC-9	12/13/2017	ND<2	FALSE
GWC-9	6/20/2018	ND<2	FALSE
GWC-9	12/18/2018	ND<2	FALSE
GWC-9	6/12/2019	ND<2	FALSE
GWC-9	12/12/2019	ND<2	FALSE
GWC-9	6/24/2020	ND<2	FALSE
GWC-9	12/17/2020	ND<2	FALSE
GWC-9	6/15/2021	ND<2	FALSE
GWC-9	12/13/2021	ND<2	FALSE
GWC-9	6/7/2022	ND<2	FALSE

GWC-14	6/13/2017	ND<2	FALSE
GWC-14	6/20/2018	ND<2	FALSE
GWC-14	6/11/2019	ND<2	FALSE
GWC-14	12/10/2019	ND<2	FALSE
GWC-14	6/24/2020	ND<2	FALSE
GWC-14	12/17/2020	ND<2	FALSE
GWC-14	6/15/2021	ND<2	FALSE
GWC-14	12/15/2021	ND<2	FALSE
GWC-14	6/9/2022	ND<2	FALSE

GWC-17	6/14/2017	ND<2	FALSE
GWC-17	12/12/2017	ND<2	FALSE
GWC-17	6/19/2018	ND<2	FALSE
GWC-17	12/19/2018	ND<2	FALSE
GWC-17	6/12/2019	ND<2	FALSE
GWC-17	12/10/2019	ND<2	FALSE
GWC-17	6/23/2020	ND<2	FALSE
GWC-17	12/15/2020	ND<2	FALSE
GWC-17	6/14/2021	ND<2	FALSE
GWC-17	12/14/2021	ND<2	FALSE
GWC-17	6/9/2022	ND<2	FALSE

Non-Parametric Tolerance Interval

Parameter: Benzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 92.9471%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWC-18	12/6/2016	ND<2	FALSE
GWC-18	6/14/2017	ND<2	FALSE
GWC-18	12/13/2017	ND<2	FALSE
GWC-18	6/19/2018	ND<2	FALSE
GWC-18	12/18/2018	ND<2	FALSE
GWC-18	6/11/2019	ND<2	FALSE
GWC-18	12/9/2019	ND<2	FALSE
GWC-18	6/23/2020	ND<2	FALSE
GWC-18	12/15/2020	ND<2	FALSE
GWC-18	6/14/2021	ND<2	FALSE
GWC-18	12/14/2021	ND<2	FALSE
GWC-18	6/7/2022	ND<2	FALSE

GWC-19R	12/6/2016	ND<2	FALSE
GWC-19R	6/14/2017	ND<2	FALSE
GWC-19R	12/13/2017	ND<2	FALSE
GWC-19R	6/19/2018	ND<2	FALSE
GWC-19R	12/18/2018	ND<2	FALSE
GWC-19R	6/11/2019	ND<2	FALSE
GWC-19R	12/9/2019	ND<2	FALSE
GWC-19R	6/23/2020	ND<2	FALSE
GWC-19R	12/15/2020	ND<2	FALSE
GWC-19R	6/14/2021	ND<2	FALSE
GWC-19R	12/14/2021	ND<2	FALSE
GWC-19R	6/6/2022	ND<2	FALSE

GWC-22	12/6/2016	ND<2	FALSE
GWC-22	6/14/2017	ND<2	FALSE
GWC-22	12/11/2017	ND<2	FALSE
GWC-22	6/19/2018	ND<2	FALSE
GWC-22	12/18/2018	ND<2	FALSE
GWC-22	6/12/2019	ND<2	FALSE
GWC-22	12/11/2019	ND<2	FALSE
GWC-22	6/23/2020	ND<2	FALSE
GWC-22	12/17/2020	ND<2	FALSE
GWC-22	6/14/2021	ND<2	FALSE
GWC-22	12/13/2021	ND<2	FALSE
GWC-22	6/6/2022	ND<2	FALSE

GWC-23	12/6/2016	ND<2	FALSE
GWC-23	6/14/2017	ND<2	FALSE

GWC-23	12/11/2017	ND<2	FALSE
GWC-23	6/18/2018	ND<2	FALSE
GWC-23	12/18/2018	ND<2	FALSE
GWC-23	6/12/2019	ND<2	FALSE
GWC-23	12/11/2019	ND<2	FALSE
GWC-23	6/24/2020	ND<2	FALSE
GWC-23	12/16/2020	ND<2	FALSE
GWC-23	6/14/2021	ND<2	FALSE
GWC-23	12/13/2021	ND<2	FALSE
GWC-23	6/6/2022	ND<2	FALSE

GWC-23A	12/6/2016	ND<2	FALSE
GWC-23A	6/14/2017	ND<2	FALSE
GWC-23A	12/11/2017	ND<2	FALSE
GWC-23A	6/18/2018	ND<2	FALSE
GWC-23A	12/18/2018	ND<2	FALSE
GWC-23A	6/12/2019	ND<2	FALSE
GWC-23A	12/11/2019	ND<2	FALSE
GWC-23A	6/24/2020	ND<2	FALSE
GWC-23A	12/16/2020	ND<2	FALSE
GWC-23A	6/14/2021	ND<2	FALSE
GWC-23A	12/13/2021	ND<2	FALSE
GWC-23A	6/6/2022	ND<2	FALSE

GWC-16A	12/7/2016	ND<2	FALSE
GWC-16A	6/14/2017	ND<2	FALSE
GWC-16A	12/13/2017	ND<2	FALSE
GWC-16A	6/21/2018	ND<2	FALSE
GWC-16A	12/19/2018	ND<2	FALSE
GWC-16A	6/13/2019	ND<2	FALSE
GWC-16A	12/11/2019	ND<2	FALSE
GWC-16A	6/23/2020	ND<2	FALSE
GWC-16A	12/17/2020	ND<2	FALSE
GWC-16A	6/16/2021	ND<2	FALSE
GWC-16A	12/16/2021	ND<2	FALSE
GWC-16A	6/9/2022	ND<2	FALSE

GWA-1A	12/7/2016	ND<2	FALSE
GWA-1A	6/12/2017	ND<2	FALSE
GWA-1A	12/13/2017	ND<2	FALSE
GWA-1A	6/19/2018	ND<2	FALSE
GWA-1A	12/18/2018	ND<2	FALSE
GWA-1A	6/10/2019	ND<2	FALSE
GWA-1A	12/9/2019	ND<2	FALSE
GWA-1A	6/23/2020	ND<2	FALSE
GWA-1A	12/17/2020	ND<2	FALSE
GWA-1A	6/17/2021	ND<2	FALSE
GWA-1A	12/16/2021	ND<2	FALSE
GWA-1A	6/8/2022	ND<2	FALSE

GWC-11	12/7/2016	ND<2	FALSE
GWC-11	6/14/2017	ND<2	FALSE
GWC-11	12/13/2017	ND<2	FALSE

Benzene

GWC-11	6/19/2018	ND<2	FALSE
GWC-11	12/19/2018	ND<2	FALSE
GWC-11	6/12/2019	ND<2	FALSE
GWC-11	12/12/2019	ND<2	FALSE
GWC-11	6/24/2020	ND<2	FALSE
GWC-11	12/15/2020	ND<2	FALSE
GWC-11	6/15/2021	ND<2	FALSE
GWC-11	12/13/2021	ND<2	FALSE
GWC-11	6/7/2022	ND<2	FALSE

GWC-12	12/7/2016	ND<2	FALSE
GWC-12	6/14/2017	ND<2	FALSE
GWC-12	12/13/2017	ND<2	FALSE
GWC-12	6/19/2018	ND<2	FALSE
GWC-12	12/19/2018	ND<2	FALSE
GWC-12	6/11/2019	ND<2	FALSE
GWC-12	12/9/2019	ND<2	FALSE
GWC-12	6/24/2020	ND<2	FALSE
GWC-12	12/15/2020	ND<2	FALSE
GWC-12	6/15/2021	ND<2	FALSE
GWC-12	12/13/2021	ND<2	FALSE
GWC-12	6/7/2022	ND<2	FALSE

GWC-12A	12/7/2016	ND<2	FALSE
GWC-12A	6/14/2017	ND<2	FALSE
GWC-12A	12/13/2017	ND<2	FALSE
GWC-12A	6/19/2018	ND<2	FALSE
GWC-12A	12/19/2018	ND<2	FALSE
GWC-12A	6/11/2019	ND<2	FALSE
GWC-12A	12/9/2019	ND<2	FALSE
GWC-12A	6/24/2020	ND<2	FALSE
GWC-12A	12/15/2020	ND<2	FALSE
GWC-12A	6/15/2021	ND<2	FALSE
GWC-12A	12/13/2021	ND<2	FALSE
GWC-12A	6/7/2022	ND<2	FALSE

GWC-13	12/7/2016	ND<2	FALSE
GWC-13	6/14/2017	ND<2	FALSE
GWC-13	12/12/2017	ND<2	FALSE
GWC-13	6/19/2018	ND<2	FALSE
GWC-13	12/19/2018	ND<2	FALSE
GWC-13	6/12/2019	ND<2	FALSE
GWC-13	12/11/2019	ND<2	FALSE
GWC-13	6/23/2020	ND<2	FALSE
GWC-13	12/15/2020	ND<2	FALSE
GWC-13	6/15/2021	ND<2	FALSE
GWC-13	12/15/2021	ND<2	FALSE
GWC-13	6/8/2022	ND<2	FALSE

GWC-24	12/7/2016	ND<2	FALSE
GWC-24	6/14/2017	ND<2	FALSE
GWC-24	12/13/2017	ND<2	FALSE
GWC-24	6/19/2018	ND<2	FALSE

Benzene

GWC-24	12/19/2018	ND<2	FALSE
GWC-24	6/11/2019	ND<2	FALSE
GWC-24	12/9/2019	ND<2	FALSE
GWC-24	6/24/2020	ND<2	FALSE
GWC-24	12/15/2020	ND<2	FALSE
GWC-24	6/14/2021	ND<2	FALSE
GWC-24	12/14/2021	ND<2	FALSE
GWC-24	6/7/2022	ND<2	FALSE

GWC-4	12/7/2016	ND<2	FALSE
GWC-4	6/20/2018	ND<2	FALSE
GWC-4	6/23/2020	ND<2	FALSE
GWC-4	12/17/2020	ND<2	FALSE
GWC-4	6/16/2021	ND<2	FALSE
GWC-4	12/14/2021	ND<2	FALSE
GWC-4	6/8/2022	ND<2	FALSE

GWC-4A	12/7/2016	ND<2	FALSE
GWC-4A	6/13/2017	ND<2	FALSE
GWC-4A	12/12/2017	ND<2	FALSE
GWC-4A	6/20/2018	ND<2	FALSE
GWC-4A	12/17/2018	ND<2	FALSE
GWC-4A	6/11/2019	ND<2	FALSE
GWC-4A	12/11/2019	ND<2	FALSE
GWC-4A	6/23/2020	ND<2	FALSE
GWC-4A	12/17/2020	ND<2	FALSE
GWC-4A	6/17/2021	ND<2	FALSE
GWC-4A	12/15/2021	ND<2	FALSE
GWC-4A	6/8/2022	ND<2	FALSE

GWC-15	12/8/2016	3.2	TRUE
GWC-15	6/14/2017	ND<2	FALSE
GWC-15	12/13/2017	ND<2	FALSE
GWC-15	6/19/2018	ND<2	FALSE
GWC-15	12/19/2018	ND<2	FALSE
GWC-15	6/11/2019	3.1	TRUE
GWC-15	12/10/2019	ND<2	FALSE
GWC-15	6/25/2020	3.6	TRUE
GWC-15	12/17/2020	3.1	TRUE
GWC-15	6/16/2021	3.9	TRUE
GWC-15	12/14/2021	3.7	TRUE
GWC-15	6/9/2022	4.2	TRUE

GWA-3	12/8/2016	ND<2	FALSE
GWA-3	6/14/2017	ND<2	FALSE
GWA-3	12/11/2017	ND<2	FALSE
GWA-3	6/18/2018	ND<2	FALSE
GWA-3	12/17/2018	ND<2	FALSE
GWA-3	6/11/2019	ND<2	FALSE
GWA-3	12/10/2019	ND<2	FALSE
GWA-3	6/22/2020	ND<2	FALSE
GWA-3	12/16/2020	ND<2	FALSE
GWA-3	6/14/2021	ND<2	FALSE

Benzene

GWA-3	12/14/2021	ND<2	FALSE
GWA-3	6/6/2022	ND<2	FALSE
<hr/>			
GWC-10	12/8/2016	ND<2	FALSE
GWC-10	6/15/2017	ND<2	FALSE
GWC-10	12/12/2017	ND<2	FALSE
GWC-10	6/19/2018	ND<2	FALSE
GWC-10	12/17/2018	ND<2	FALSE
GWC-10	6/10/2019	ND<2	FALSE
GWC-10	12/12/2019	ND<2	FALSE
GWC-10	6/24/2020	ND<2	FALSE
GWC-10	12/15/2020	ND<2	FALSE
GWC-10	6/15/2021	ND<2	FALSE
GWC-10	12/15/2021	ND<2	FALSE
GWC-10	6/7/2022	ND<2	FALSE
<hr/>			
GWC-10A	12/8/2016	ND<2	FALSE
GWC-10A	6/15/2017	ND<2	FALSE
GWC-10A	12/12/2017	ND<2	FALSE
GWC-10A	6/19/2018	ND<2	FALSE
GWC-10A	12/17/2018	ND<2	FALSE
GWC-10A	6/10/2019	ND<2	FALSE
GWC-10A	12/12/2019	ND<2	FALSE
GWC-10A	6/24/2020	ND<2	FALSE
GWC-10A	12/15/2020	ND<2	FALSE
GWC-10A	6/15/2021	ND<2	FALSE
GWC-10A	12/15/2021	ND<2	FALSE
GWC-10A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-14A	12/8/2016	2.3	TRUE
GWC-14A	6/13/2017	2.8	TRUE
GWC-14A	12/12/2017	3	TRUE
GWC-14A	6/20/2018	2.8	TRUE
GWC-14A	12/19/2018	2.5	TRUE
GWC-14A	6/11/2019	2.1	TRUE
GWC-14A	12/10/2019	2.6	TRUE
GWC-14A	6/24/2020	2.5	TRUE
GWC-14A	12/15/2020	2.9	TRUE
GWC-14A	6/15/2021	2.6	TRUE
GWC-14A	12/14/2021	3	TRUE
GWC-14A	6/9/2022	2.5	TRUE
<hr/>			
GWC-14R	12/8/2016	ND<2	FALSE
GWC-14R	6/13/2017	ND<2	FALSE
GWC-14R	12/12/2017	ND<2	FALSE
GWC-14R	6/20/2018	ND<2	FALSE
GWC-14R	12/19/2018	ND<2	FALSE
GWC-14R	6/12/2019	ND<2	FALSE
GWC-14R	12/10/2019	ND<2	FALSE
GWC-14R	6/23/2020	ND<2	FALSE
GWC-14R	12/17/2020	ND<2	FALSE
GWC-14R	6/16/2021	ND<2	FALSE
GWC-14R	12/14/2021	ND<2	FALSE

Benzene

GWC-14R	6/9/2022	ND<2	FALSE
<hr/>			
GWC-2	12/8/2016	ND<2	FALSE
GWC-2	6/15/2017	ND<2	FALSE
GWC-2	12/13/2017	ND<2	FALSE
GWC-2	6/20/2018	ND<2	FALSE
GWC-2	12/19/2018	ND<2	FALSE
GWC-2	6/12/2019	ND<2	FALSE
GWC-2	12/10/2019	ND<2	FALSE
GWC-2	6/22/2020	ND<2	FALSE
GWC-2	12/16/2020	ND<2	FALSE
GWC-2	6/15/2021	ND<2	FALSE
GWC-2	12/15/2021	ND<2	FALSE
GWC-2	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3	12/8/2016	ND<2	FALSE
GWC-3	6/15/2017	ND<2	FALSE
GWC-3	6/21/2018	ND<2	FALSE
GWC-3	12/17/2018	ND<2	FALSE
GWC-3	6/11/2019	ND<2	FALSE
GWC-3	12/10/2019	ND<2	FALSE
GWC-3	6/24/2020	ND<2	FALSE
GWC-3	12/16/2020	ND<2	FALSE
GWC-3	6/15/2021	ND<2	FALSE
GWC-3	12/15/2021	ND<2	FALSE
GWC-3	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3A	12/8/2016	ND<2	FALSE
GWC-3A	6/15/2017	ND<2	FALSE
GWC-3A	12/12/2017	ND<2	FALSE
GWC-3A	6/20/2018	ND<2	FALSE
GWC-3A	12/17/2018	ND<2	FALSE
GWC-3A	6/11/2019	ND<2	FALSE
GWC-3A	12/10/2019	ND<2	FALSE
GWC-3A	6/24/2020	ND<2	FALSE
GWC-3A	12/16/2020	ND<2	FALSE
GWC-3A	6/14/2021	ND<2	FALSE
GWC-3A	12/15/2021	ND<2	FALSE
GWC-3A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-5	12/8/2016	ND<2	FALSE
GWC-5	6/12/2017	ND<2	FALSE
GWC-5	12/12/2017	ND<2	FALSE
GWC-5	6/21/2018	ND<2	FALSE
GWC-5	12/18/2018	ND<2	FALSE
GWC-5	6/12/2019	ND<2	FALSE
GWC-5	12/10/2019	ND<2	FALSE
GWC-5	6/23/2020	ND<2	FALSE
GWC-5	12/17/2020	ND<2	FALSE
GWC-5	6/15/2021	ND<2	FALSE
GWC-5	12/13/2021	ND<2	FALSE
GWC-5	6/8/2022	ND<2	FALSE

Benzene

GWC-6	12/8/2016	ND<2	FALSE
GWC-6	6/12/2017	ND<2	FALSE
GWC-6	12/13/2017	ND<2	FALSE
GWC-6	6/21/2018	ND<2	FALSE
GWC-6	12/19/2018	ND<2	FALSE
GWC-6	6/12/2019	ND<2	FALSE
GWC-6	12/10/2019	ND<2	FALSE
GWC-6	6/24/2020	ND<2	FALSE
GWC-6	12/17/2020	ND<2	FALSE
GWC-6	6/15/2021	ND<2	FALSE
GWC-6	12/13/2021	ND<2	FALSE
GWC-6	6/8/2022	ND<2	FALSE

GWC-7	12/8/2016	ND<2	FALSE
GWC-7	6/12/2017	ND<2	FALSE
GWC-7	12/12/2017	ND<2	FALSE
GWC-7	6/19/2018	ND<2	FALSE
GWC-7	12/18/2018	ND<2	FALSE
GWC-7	6/12/2019	ND<2	FALSE
GWC-7	12/11/2019	ND<2	FALSE
GWC-7	6/24/2020	ND<2	FALSE
GWC-7	12/17/2020	ND<2	FALSE
GWC-7	6/15/2021	ND<2	FALSE
GWC-7	12/13/2021	ND<2	FALSE
GWC-7	6/8/2022	ND<2	FALSE

GWC-8	12/8/2016	ND<2	FALSE
GWC-8	12/12/2017	ND<2	FALSE
GWC-8	6/20/2018	ND<2	FALSE
GWC-8	12/19/2018	ND<2	FALSE
GWC-8	6/12/2019	ND<2	FALSE
GWC-8	12/11/2019	ND<2	FALSE
GWC-8	6/23/2020	ND<2	FALSE
GWC-8	12/16/2020	ND<2	FALSE
GWC-8	6/16/2021	ND<2	FALSE
GWC-8	12/15/2021	ND<2	FALSE
GWC-8	6/9/2022	ND<2	FALSE

GWC-8A	12/8/2016	3.2	TRUE
GWC-8A	6/13/2017	2.3	TRUE
GWC-8A	12/12/2017	3.8	TRUE
GWC-8A	6/20/2018	2.7	TRUE
GWC-8A	12/19/2018	3.3	TRUE
GWC-8A	6/12/2019	ND<2	FALSE
GWC-8A	12/11/2019	2.8	TRUE
GWC-8A	6/23/2020	ND<2	FALSE
GWC-8A	12/15/2020	2.3	TRUE
GWC-8A	6/16/2021	ND<2	FALSE
GWC-8A	12/15/2021	ND<2	FALSE
GWC-8A	6/9/2022	2	FALSE

GWC-8R	12/8/2016	ND<2	FALSE
--------	-----------	------	-------

Benzene

GWC-8R	6/13/2017	ND<2	FALSE
GWC-8R	12/12/2017	ND<2	FALSE
GWC-8R	6/20/2018	ND<2	FALSE
GWC-8R	12/19/2018	ND<2	FALSE
GWC-8R	6/12/2019	ND<2	FALSE
GWC-8R	12/11/2019	ND<2	FALSE
GWC-8R	6/23/2020	ND<2	FALSE
GWC-8R	12/15/2020	ND<2	FALSE
GWC-8R	6/16/2021	2	FALSE
GWC-8R	12/15/2021	ND<2	FALSE
GWC-8R	6/9/2022	ND<2	FALSE

GWC-9	12/8/2016	ND<2	FALSE
GWC-9	6/15/2017	ND<2	FALSE
GWC-9	12/13/2017	ND<2	FALSE
GWC-9	6/20/2018	ND<2	FALSE
GWC-9	12/18/2018	ND<2	FALSE
GWC-9	6/12/2019	ND<2	FALSE
GWC-9	12/12/2019	ND<2	FALSE
GWC-9	6/24/2020	ND<2	FALSE
GWC-9	12/17/2020	ND<2	FALSE
GWC-9	6/15/2021	ND<2	FALSE
GWC-9	12/13/2021	ND<2	FALSE
GWC-9	6/7/2022	ND<2	FALSE

GWC-14	6/13/2017	ND<2	FALSE
GWC-14	6/20/2018	ND<2	FALSE
GWC-14	6/11/2019	ND<2	FALSE
GWC-14	12/10/2019	ND<2	FALSE
GWC-14	6/24/2020	ND<2	FALSE
GWC-14	12/17/2020	ND<2	FALSE
GWC-14	6/15/2021	ND<2	FALSE
GWC-14	12/15/2021	ND<2	FALSE
GWC-14	6/9/2022	ND<2	FALSE

GWC-17	6/14/2017	ND<2	FALSE
GWC-17	12/12/2017	ND<2	FALSE
GWC-17	6/19/2018	ND<2	FALSE
GWC-17	12/19/2018	ND<2	FALSE
GWC-17	6/12/2019	ND<2	FALSE
GWC-17	12/10/2019	ND<2	FALSE
GWC-17	6/23/2020	ND<2	FALSE
GWC-17	12/15/2020	ND<2	FALSE
GWC-17	6/14/2021	ND<2	FALSE
GWC-17	12/14/2021	ND<2	FALSE
GWC-17	6/9/2022	ND<2	FALSE

Chlorobenzene

Non-Parametric Tolerance Interval

Parameter: Chlorobenzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 98.7406%

Background measurements (n) = 24

Maximum Background Concentration = 10

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWC-18	12/6/2016	ND<10	FALSE
GWC-18	6/14/2017	ND<10	FALSE
GWC-18	12/13/2017	ND<10	FALSE
GWC-18	6/19/2018	ND<10	FALSE
GWC-18	12/18/2018	ND<10	FALSE
GWC-18	6/11/2019	ND<10	FALSE
GWC-18	12/9/2019	ND<10	FALSE
GWC-18	6/23/2020	ND<10	FALSE
GWC-18	12/15/2020	ND<10	FALSE
GWC-18	6/14/2021	ND<10	FALSE
GWC-18	12/14/2021	ND<10	FALSE
GWC-18	6/7/2022	ND<10	FALSE

GWC-19R	12/6/2016	ND<10	FALSE
GWC-19R	6/14/2017	ND<10	FALSE
GWC-19R	12/13/2017	ND<10	FALSE
GWC-19R	6/19/2018	ND<10	FALSE
GWC-19R	12/18/2018	ND<10	FALSE
GWC-19R	6/11/2019	ND<10	FALSE
GWC-19R	12/9/2019	ND<10	FALSE
GWC-19R	6/23/2020	ND<10	FALSE
GWC-19R	12/15/2020	ND<10	FALSE
GWC-19R	6/14/2021	ND<10	FALSE
GWC-19R	12/14/2021	ND<10	FALSE
GWC-19R	6/6/2022	ND<10	FALSE

GWC-22	12/6/2016	ND<10	FALSE
GWC-22	6/14/2017	ND<10	FALSE
GWC-22	12/11/2017	ND<10	FALSE
GWC-22	6/19/2018	ND<10	FALSE
GWC-22	12/18/2018	ND<10	FALSE
GWC-22	6/12/2019	ND<10	FALSE
GWC-22	12/11/2019	ND<10	FALSE
GWC-22	6/23/2020	ND<10	FALSE
GWC-22	12/17/2020	ND<10	FALSE
GWC-22	6/14/2021	ND<10	FALSE
GWC-22	12/13/2021	ND<10	FALSE
GWC-22	6/6/2022	ND<10	FALSE

GWC-23	12/6/2016	ND<10	FALSE
GWC-23	6/14/2017	ND<10	FALSE

Chlorobenzene

GWC-23	12/11/2017	ND<10	FALSE
GWC-23	6/18/2018	ND<10	FALSE
GWC-23	12/18/2018	ND<10	FALSE
GWC-23	6/12/2019	ND<10	FALSE
GWC-23	12/11/2019	ND<10	FALSE
GWC-23	6/24/2020	ND<10	FALSE
GWC-23	12/16/2020	ND<10	FALSE
GWC-23	6/14/2021	ND<10	FALSE
GWC-23	12/13/2021	ND<10	FALSE
GWC-23	6/6/2022	ND<10	FALSE

GWC-23A	12/6/2016	ND<10	FALSE
GWC-23A	6/14/2017	ND<10	FALSE
GWC-23A	12/11/2017	ND<10	FALSE
GWC-23A	6/18/2018	ND<10	FALSE
GWC-23A	12/18/2018	ND<10	FALSE
GWC-23A	6/12/2019	ND<10	FALSE
GWC-23A	12/11/2019	ND<10	FALSE
GWC-23A	6/24/2020	ND<10	FALSE
GWC-23A	12/16/2020	ND<10	FALSE
GWC-23A	6/14/2021	ND<10	FALSE
GWC-23A	12/13/2021	ND<10	FALSE
GWC-23A	6/6/2022	ND<10	FALSE

GWC-16A	12/7/2016	ND<10	FALSE
GWC-16A	6/14/2017	ND<10	FALSE
GWC-16A	12/13/2017	ND<10	FALSE
GWC-16A	6/21/2018	ND<10	FALSE
GWC-16A	12/19/2018	ND<10	FALSE
GWC-16A	6/13/2019	ND<10	FALSE
GWC-16A	12/11/2019	ND<10	FALSE
GWC-16A	6/23/2020	ND<10	FALSE
GWC-16A	12/17/2020	ND<10	FALSE
GWC-16A	6/16/2021	ND<10	FALSE
GWC-16A	12/16/2021	ND<10	FALSE
GWC-16A	6/9/2022	ND<10	FALSE

GWA-1A	12/7/2016	ND<10	FALSE
GWA-1A	6/12/2017	ND<10	FALSE
GWA-1A	12/13/2017	ND<10	FALSE
GWA-1A	6/19/2018	ND<10	FALSE
GWA-1A	12/18/2018	ND<10	FALSE
GWA-1A	6/10/2019	ND<10	FALSE
GWA-1A	12/9/2019	ND<10	FALSE
GWA-1A	6/23/2020	ND<10	FALSE
GWA-1A	12/17/2020	ND<10	FALSE
GWA-1A	6/17/2021	ND<10	FALSE
GWA-1A	12/16/2021	ND<10	FALSE
GWA-1A	6/8/2022	ND<10	FALSE

GWC-11	12/7/2016	ND<10	FALSE
GWC-11	6/14/2017	ND<10	FALSE
GWC-11	12/13/2017	ND<10	FALSE

Chlorobenzene

GWC-11	6/19/2018	ND<10	FALSE
GWC-11	12/19/2018	ND<10	FALSE
GWC-11	6/12/2019	ND<10	FALSE
GWC-11	12/12/2019	ND<10	FALSE
GWC-11	6/24/2020	ND<10	FALSE
GWC-11	12/15/2020	ND<10	FALSE
GWC-11	6/15/2021	ND<10	FALSE
GWC-11	12/13/2021	ND<10	FALSE
GWC-11	6/7/2022	ND<10	FALSE

GWC-12	12/7/2016	ND<10	FALSE
GWC-12	6/14/2017	ND<10	FALSE
GWC-12	12/13/2017	ND<10	FALSE
GWC-12	6/19/2018	ND<10	FALSE
GWC-12	12/19/2018	ND<10	FALSE
GWC-12	6/11/2019	ND<10	FALSE
GWC-12	12/9/2019	ND<10	FALSE
GWC-12	6/24/2020	ND<10	FALSE
GWC-12	12/15/2020	ND<10	FALSE
GWC-12	6/15/2021	ND<10	FALSE
GWC-12	12/13/2021	ND<10	FALSE
GWC-12	6/7/2022	ND<10	FALSE

GWC-12A	12/7/2016	ND<10	FALSE
GWC-12A	6/14/2017	ND<10	FALSE
GWC-12A	12/13/2017	ND<10	FALSE
GWC-12A	6/19/2018	ND<10	FALSE
GWC-12A	12/19/2018	ND<10	FALSE
GWC-12A	6/11/2019	ND<10	FALSE
GWC-12A	12/9/2019	ND<10	FALSE
GWC-12A	6/24/2020	ND<10	FALSE
GWC-12A	12/15/2020	ND<10	FALSE
GWC-12A	6/15/2021	ND<10	FALSE
GWC-12A	12/13/2021	ND<10	FALSE
GWC-12A	6/7/2022	ND<10	FALSE

GWC-13	12/7/2016	ND<10	FALSE
GWC-13	6/14/2017	ND<10	FALSE
GWC-13	12/12/2017	ND<10	FALSE
GWC-13	6/19/2018	ND<10	FALSE
GWC-13	12/19/2018	ND<10	FALSE
GWC-13	6/12/2019	ND<10	FALSE
GWC-13	12/11/2019	ND<10	FALSE
GWC-13	6/23/2020	ND<10	FALSE
GWC-13	12/15/2020	ND<10	FALSE
GWC-13	6/15/2021	ND<10	FALSE
GWC-13	12/15/2021	ND<10	FALSE
GWC-13	6/8/2022	ND<10	FALSE

GWC-24	12/7/2016	ND<10	FALSE
GWC-24	6/14/2017	ND<10	FALSE
GWC-24	12/13/2017	ND<10	FALSE
GWC-24	6/19/2018	ND<10	FALSE

Chlorobenzene

GWC-24	12/19/2018	ND<10	FALSE
GWC-24	6/11/2019	ND<10	FALSE
GWC-24	12/9/2019	ND<10	FALSE
GWC-24	6/24/2020	ND<10	FALSE
GWC-24	12/15/2020	ND<10	FALSE
GWC-24	6/14/2021	ND<10	FALSE
GWC-24	12/14/2021	ND<10	FALSE
GWC-24	6/7/2022	ND<10	FALSE

GWC-4	12/7/2016	ND<10	FALSE
GWC-4	6/20/2018	ND<10	FALSE
GWC-4	6/23/2020	ND<10	FALSE
GWC-4	12/17/2020	ND<10	FALSE
GWC-4	6/16/2021	ND<10	FALSE
GWC-4	12/14/2021	ND<10	FALSE
GWC-4	6/8/2022	ND<10	FALSE

GWC-4A	12/7/2016	ND<10	FALSE
GWC-4A	6/13/2017	ND<10	FALSE
GWC-4A	12/12/2017	ND<10	FALSE
GWC-4A	6/20/2018	ND<10	FALSE
GWC-4A	12/17/2018	ND<10	FALSE
GWC-4A	6/11/2019	ND<10	FALSE
GWC-4A	12/11/2019	ND<10	FALSE
GWC-4A	6/23/2020	ND<10	FALSE
GWC-4A	12/17/2020	ND<10	FALSE
GWC-4A	6/17/2021	ND<10	FALSE
GWC-4A	12/15/2021	ND<10	FALSE
GWC-4A	6/8/2022	ND<10	FALSE

GWC-15	12/8/2016	ND<10	FALSE
GWC-15	6/14/2017	ND<10	FALSE
GWC-15	12/13/2017	ND<10	FALSE
GWC-15	6/19/2018	ND<10	FALSE
GWC-15	12/19/2018	ND<10	FALSE
GWC-15	6/11/2019	ND<10	FALSE
GWC-15	12/10/2019	ND<10	FALSE
GWC-15	6/25/2020	ND<10	FALSE
GWC-15	12/17/2020	ND<10	FALSE
GWC-15	6/16/2021	ND<10	FALSE
GWC-15	12/14/2021	ND<10	FALSE
GWC-15	6/9/2022	ND<10	FALSE

GWA-3	12/8/2016	ND<10	FALSE
GWA-3	6/14/2017	ND<10	FALSE
GWA-3	12/11/2017	ND<10	FALSE
GWA-3	6/18/2018	ND<10	FALSE
GWA-3	12/17/2018	ND<10	FALSE
GWA-3	6/11/2019	ND<10	FALSE
GWA-3	12/10/2019	ND<10	FALSE
GWA-3	6/22/2020	ND<10	FALSE
GWA-3	12/16/2020	ND<10	FALSE
GWA-3	6/14/2021	ND<10	FALSE

Chlorobenzene

GWA-3	12/14/2021	ND<10	FALSE
GWA-3	6/6/2022	ND<10	FALSE
<hr/>			
GWC-10	12/8/2016	ND<10	FALSE
GWC-10	6/15/2017	ND<10	FALSE
GWC-10	12/12/2017	ND<10	FALSE
GWC-10	6/19/2018	ND<10	FALSE
GWC-10	12/17/2018	ND<10	FALSE
GWC-10	6/10/2019	ND<10	FALSE
GWC-10	12/12/2019	ND<10	FALSE
GWC-10	6/24/2020	ND<10	FALSE
GWC-10	12/15/2020	ND<10	FALSE
GWC-10	6/15/2021	ND<10	FALSE
GWC-10	12/15/2021	ND<10	FALSE
GWC-10	6/7/2022	ND<10	FALSE
<hr/>			
GWC-10A	12/8/2016	ND<10	FALSE
GWC-10A	6/15/2017	ND<10	FALSE
GWC-10A	12/12/2017	ND<10	FALSE
GWC-10A	6/19/2018	ND<10	FALSE
GWC-10A	12/17/2018	ND<10	FALSE
GWC-10A	6/10/2019	ND<10	FALSE
GWC-10A	12/12/2019	ND<10	FALSE
GWC-10A	6/24/2020	ND<10	FALSE
GWC-10A	12/15/2020	ND<10	FALSE
GWC-10A	6/15/2021	ND<10	FALSE
GWC-10A	12/15/2021	ND<10	FALSE
GWC-10A	6/7/2022	ND<10	FALSE
<hr/>			
GWC-14A	12/8/2016	ND<10	FALSE
GWC-14A	6/13/2017	ND<10	FALSE
GWC-14A	12/12/2017	ND<10	FALSE
GWC-14A	6/20/2018	ND<10	FALSE
GWC-14A	12/19/2018	ND<10	FALSE
GWC-14A	6/11/2019	ND<10	FALSE
GWC-14A	12/10/2019	ND<10	FALSE
GWC-14A	6/24/2020	12	TRUE
GWC-14A	12/15/2020	16	TRUE
GWC-14A	6/15/2021	15	TRUE
GWC-14A	12/14/2021	15	TRUE
GWC-14A	6/9/2022	17	TRUE
<hr/>			
GWC-14R	12/8/2016	ND<10	FALSE
GWC-14R	6/13/2017	ND<10	FALSE
GWC-14R	12/12/2017	ND<10	FALSE
GWC-14R	6/20/2018	ND<10	FALSE
GWC-14R	12/19/2018	ND<10	FALSE
GWC-14R	6/12/2019	ND<10	FALSE
GWC-14R	12/10/2019	ND<10	FALSE
GWC-14R	6/23/2020	ND<10	FALSE
GWC-14R	12/17/2020	ND<10	FALSE
GWC-14R	6/16/2021	ND<10	FALSE
GWC-14R	12/14/2021	ND<10	FALSE

Chlorobenzene

GWC-14R	6/9/2022	ND<10	FALSE
<hr/>			
GWC-2	12/8/2016	ND<10	FALSE
GWC-2	6/15/2017	ND<10	FALSE
GWC-2	12/13/2017	ND<10	FALSE
GWC-2	6/20/2018	ND<10	FALSE
GWC-2	12/19/2018	ND<10	FALSE
GWC-2	6/12/2019	ND<10	FALSE
GWC-2	12/10/2019	ND<10	FALSE
GWC-2	6/22/2020	ND<10	FALSE
GWC-2	12/16/2020	ND<10	FALSE
GWC-2	6/15/2021	ND<10	FALSE
GWC-2	12/15/2021	ND<10	FALSE
GWC-2	6/7/2022	ND<10	FALSE
<hr/>			
GWC-3	12/8/2016	ND<10	FALSE
GWC-3	6/15/2017	ND<10	FALSE
GWC-3	6/21/2018	ND<10	FALSE
GWC-3	12/17/2018	ND<10	FALSE
GWC-3	6/11/2019	ND<10	FALSE
GWC-3	12/10/2019	ND<10	FALSE
GWC-3	6/24/2020	ND<10	FALSE
GWC-3	12/16/2020	ND<10	FALSE
GWC-3	6/15/2021	ND<10	FALSE
GWC-3	12/15/2021	ND<10	FALSE
GWC-3	6/7/2022	ND<10	FALSE
<hr/>			
GWC-3A	12/8/2016	ND<10	FALSE
GWC-3A	6/15/2017	ND<10	FALSE
GWC-3A	12/12/2017	ND<10	FALSE
GWC-3A	6/20/2018	ND<10	FALSE
GWC-3A	12/17/2018	ND<10	FALSE
GWC-3A	6/11/2019	ND<10	FALSE
GWC-3A	12/10/2019	ND<10	FALSE
GWC-3A	6/24/2020	ND<10	FALSE
GWC-3A	12/16/2020	ND<10	FALSE
GWC-3A	6/14/2021	ND<10	FALSE
GWC-3A	12/15/2021	ND<10	FALSE
GWC-3A	6/7/2022	ND<10	FALSE
<hr/>			
GWC-5	12/8/2016	ND<10	FALSE
GWC-5	6/12/2017	ND<10	FALSE
GWC-5	12/12/2017	ND<10	FALSE
GWC-5	6/21/2018	ND<10	FALSE
GWC-5	12/18/2018	ND<10	FALSE
GWC-5	6/12/2019	ND<10	FALSE
GWC-5	12/10/2019	ND<10	FALSE
GWC-5	6/23/2020	ND<10	FALSE
GWC-5	12/17/2020	ND<10	FALSE
GWC-5	6/15/2021	ND<10	FALSE
GWC-5	12/13/2021	ND<10	FALSE
GWC-5	6/8/2022	ND<10	FALSE

Chlorobenzene

GWC-6	12/8/2016	ND<10	FALSE
GWC-6	6/12/2017	ND<10	FALSE
GWC-6	12/13/2017	ND<10	FALSE
GWC-6	6/21/2018	ND<10	FALSE
GWC-6	12/19/2018	ND<10	FALSE
GWC-6	6/12/2019	ND<10	FALSE
GWC-6	12/10/2019	ND<10	FALSE
GWC-6	6/24/2020	ND<10	FALSE
GWC-6	12/17/2020	ND<10	FALSE
GWC-6	6/15/2021	ND<10	FALSE
GWC-6	12/13/2021	ND<10	FALSE
GWC-6	6/8/2022	ND<10	FALSE

GWC-7	12/8/2016	ND<10	FALSE
GWC-7	6/12/2017	ND<10	FALSE
GWC-7	12/12/2017	ND<10	FALSE
GWC-7	6/19/2018	ND<10	FALSE
GWC-7	12/18/2018	ND<10	FALSE
GWC-7	6/12/2019	ND<10	FALSE
GWC-7	12/11/2019	ND<10	FALSE
GWC-7	6/24/2020	ND<10	FALSE
GWC-7	12/17/2020	ND<10	FALSE
GWC-7	6/15/2021	ND<10	FALSE
GWC-7	12/13/2021	ND<10	FALSE
GWC-7	6/8/2022	ND<10	FALSE

GWC-8	12/8/2016	ND<10	FALSE
GWC-8	12/12/2017	ND<10	FALSE
GWC-8	6/20/2018	ND<10	FALSE
GWC-8	12/19/2018	ND<10	FALSE
GWC-8	6/12/2019	ND<10	FALSE
GWC-8	12/11/2019	ND<10	FALSE
GWC-8	6/23/2020	ND<10	FALSE
GWC-8	12/16/2020	ND<10	FALSE
GWC-8	6/16/2021	ND<10	FALSE
GWC-8	12/15/2021	ND<10	FALSE
GWC-8	6/9/2022	ND<10	FALSE

GWC-8A	12/8/2016	ND<10	FALSE
GWC-8A	6/13/2017	ND<10	FALSE
GWC-8A	12/12/2017	ND<10	FALSE
GWC-8A	6/20/2018	ND<10	FALSE
GWC-8A	12/19/2018	ND<10	FALSE
GWC-8A	6/12/2019	ND<10	FALSE
GWC-8A	12/11/2019	ND<10	FALSE
GWC-8A	6/23/2020	ND<10	FALSE
GWC-8A	12/15/2020	ND<10	FALSE
GWC-8A	6/16/2021	ND<10	FALSE
GWC-8A	12/15/2021	ND<10	FALSE
GWC-8A	6/9/2022	ND<10	FALSE

GWC-8R	12/8/2016	ND<10	FALSE
--------	-----------	-------	-------

Chlorobenzene

GWC-8R	6/13/2017	ND<10	FALSE
GWC-8R	12/12/2017	ND<10	FALSE
GWC-8R	6/20/2018	ND<10	FALSE
GWC-8R	12/19/2018	ND<10	FALSE
GWC-8R	6/12/2019	ND<10	FALSE
GWC-8R	12/11/2019	ND<10	FALSE
GWC-8R	6/23/2020	ND<10	FALSE
GWC-8R	12/15/2020	ND<10	FALSE
GWC-8R	6/16/2021	ND<10	FALSE
GWC-8R	12/15/2021	ND<10	FALSE
GWC-8R	6/9/2022	ND<10	FALSE

GWC-9	12/8/2016	ND<10	FALSE
GWC-9	6/15/2017	ND<10	FALSE
GWC-9	12/13/2017	ND<10	FALSE
GWC-9	6/20/2018	ND<10	FALSE
GWC-9	12/18/2018	ND<10	FALSE
GWC-9	6/12/2019	ND<10	FALSE
GWC-9	12/12/2019	ND<10	FALSE
GWC-9	6/24/2020	ND<10	FALSE
GWC-9	12/17/2020	ND<10	FALSE
GWC-9	6/15/2021	ND<10	FALSE
GWC-9	12/13/2021	ND<10	FALSE
GWC-9	6/7/2022	ND<10	FALSE

GWC-14	6/13/2017	ND<10	FALSE
GWC-14	6/20/2018	ND<10	FALSE
GWC-14	6/11/2019	ND<10	FALSE
GWC-14	12/10/2019	ND<10	FALSE
GWC-14	6/24/2020	ND<10	FALSE
GWC-14	12/17/2020	ND<10	FALSE
GWC-14	6/15/2021	ND<10	FALSE
GWC-14	12/15/2021	ND<10	FALSE
GWC-14	6/9/2022	ND<10	FALSE

GWC-17	6/14/2017	ND<10	FALSE
GWC-17	12/12/2017	ND<10	FALSE
GWC-17	6/19/2018	ND<10	FALSE
GWC-17	12/19/2018	ND<10	FALSE
GWC-17	6/12/2019	ND<10	FALSE
GWC-17	12/10/2019	ND<10	FALSE
GWC-17	6/23/2020	ND<10	FALSE
GWC-17	12/15/2020	ND<10	FALSE
GWC-17	6/14/2021	ND<10	FALSE
GWC-17	12/14/2021	ND<10	FALSE
GWC-17	6/9/2022	ND<10	FALSE

Chloroethane

Non-Parametric Tolerance Interval

Parameter: Chloroethane

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 96.2217%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWC-18	12/6/2016	ND<2	FALSE
GWC-18	6/14/2017	ND<2	FALSE
GWC-18	12/13/2017	ND<2	FALSE
GWC-18	6/19/2018	ND<2	FALSE
GWC-18	12/18/2018	ND<2	FALSE
GWC-18	6/11/2019	ND<2	FALSE
GWC-18	12/9/2019	ND<2	FALSE
GWC-18	6/23/2020	ND<2	FALSE
GWC-18	12/15/2020	ND<2	FALSE
GWC-18	6/14/2021	ND<2	FALSE
GWC-18	12/14/2021	ND<2	FALSE
GWC-18	6/7/2022	ND<2	FALSE

GWC-19R	12/6/2016	ND<2	FALSE
GWC-19R	6/14/2017	ND<2	FALSE
GWC-19R	12/13/2017	ND<2	FALSE
GWC-19R	6/19/2018	ND<2	FALSE
GWC-19R	12/18/2018	ND<2	FALSE
GWC-19R	6/11/2019	ND<2	FALSE
GWC-19R	12/9/2019	ND<2	FALSE
GWC-19R	6/23/2020	ND<2	FALSE
GWC-19R	12/15/2020	ND<2	FALSE
GWC-19R	6/14/2021	ND<2	FALSE
GWC-19R	12/14/2021	ND<2	FALSE
GWC-19R	6/6/2022	ND<2	FALSE

GWC-22	12/6/2016	ND<2	FALSE
GWC-22	6/14/2017	ND<2	FALSE
GWC-22	12/11/2017	ND<2	FALSE
GWC-22	6/19/2018	ND<2	FALSE
GWC-22	12/18/2018	ND<2	FALSE
GWC-22	6/12/2019	ND<2	FALSE
GWC-22	12/11/2019	ND<2	FALSE
GWC-22	6/23/2020	ND<2	FALSE
GWC-22	12/17/2020	ND<2	FALSE
GWC-22	6/14/2021	ND<2	FALSE
GWC-22	12/13/2021	ND<2	FALSE
GWC-22	6/6/2022	ND<2	FALSE

GWC-23	12/6/2016	ND<2	FALSE
GWC-23	6/14/2017	ND<2	FALSE

Chloroethane

GWC-23	12/11/2017	ND<2	FALSE
GWC-23	6/18/2018	ND<2	FALSE
GWC-23	12/18/2018	ND<2	FALSE
GWC-23	6/12/2019	ND<2	FALSE
GWC-23	12/11/2019	ND<2	FALSE
GWC-23	6/24/2020	ND<2	FALSE
GWC-23	12/16/2020	ND<2	FALSE
GWC-23	6/14/2021	ND<2	FALSE
GWC-23	12/13/2021	ND<2	FALSE
GWC-23	6/6/2022	ND<2	FALSE

GWC-23A	12/6/2016	ND<2	FALSE
GWC-23A	6/14/2017	ND<2	FALSE
GWC-23A	12/11/2017	ND<2	FALSE
GWC-23A	6/18/2018	ND<2	FALSE
GWC-23A	12/18/2018	ND<2	FALSE
GWC-23A	6/12/2019	ND<2	FALSE
GWC-23A	12/11/2019	ND<2	FALSE
GWC-23A	6/24/2020	ND<2	FALSE
GWC-23A	12/16/2020	ND<2	FALSE
GWC-23A	6/14/2021	ND<2	FALSE
GWC-23A	12/13/2021	ND<2	FALSE
GWC-23A	6/6/2022	ND<2	FALSE

GWC-16A	12/7/2016	ND<2	FALSE
GWC-16A	6/14/2017	3.3	TRUE
GWC-16A	12/13/2017	ND<2	FALSE
GWC-16A	6/21/2018	ND<2	FALSE
GWC-16A	12/19/2018	ND<2	FALSE
GWC-16A	6/13/2019	ND<2	FALSE
GWC-16A	12/11/2019	ND<2	FALSE
GWC-16A	6/23/2020	ND<2	FALSE
GWC-16A	12/17/2020	ND<2	FALSE
GWC-16A	6/16/2021	ND<2	FALSE
GWC-16A	12/16/2021	ND<2	FALSE
GWC-16A	6/9/2022	ND<2	FALSE

GWA-1A	12/7/2016	ND<2	FALSE
GWA-1A	6/12/2017	ND<2	FALSE
GWA-1A	12/13/2017	ND<2	FALSE
GWA-1A	6/19/2018	ND<2	FALSE
GWA-1A	12/18/2018	ND<2	FALSE
GWA-1A	6/10/2019	ND<2	FALSE
GWA-1A	12/9/2019	ND<2	FALSE
GWA-1A	6/23/2020	ND<2	FALSE
GWA-1A	12/17/2020	ND<2	FALSE
GWA-1A	6/17/2021	ND<2	FALSE
GWA-1A	12/16/2021	ND<2	FALSE
GWA-1A	6/8/2022	ND<2	FALSE

GWC-11	12/7/2016	ND<2	FALSE
GWC-11	6/14/2017	ND<2	FALSE
GWC-11	12/13/2017	ND<2	FALSE

Chloroethane

GWC-11	6/19/2018	ND<2	FALSE
GWC-11	12/19/2018	ND<2	FALSE
GWC-11	6/12/2019	ND<2	FALSE
GWC-11	12/12/2019	ND<2	FALSE
GWC-11	6/24/2020	ND<2	FALSE
GWC-11	12/15/2020	ND<2	FALSE
GWC-11	6/15/2021	ND<2	FALSE
GWC-11	12/13/2021	ND<2	FALSE
GWC-11	6/7/2022	ND<2	FALSE

GWC-12	12/7/2016	ND<2	FALSE
GWC-12	6/14/2017	ND<2	FALSE
GWC-12	12/13/2017	ND<2	FALSE
GWC-12	6/19/2018	ND<2	FALSE
GWC-12	12/19/2018	ND<2	FALSE
GWC-12	6/11/2019	ND<2	FALSE
GWC-12	12/9/2019	ND<2	FALSE
GWC-12	6/24/2020	ND<2	FALSE
GWC-12	12/15/2020	ND<2	FALSE
GWC-12	6/15/2021	ND<2	FALSE
GWC-12	12/13/2021	ND<2	FALSE
GWC-12	6/7/2022	ND<2	FALSE

GWC-12A	12/7/2016	ND<2	FALSE
GWC-12A	6/14/2017	ND<2	FALSE
GWC-12A	12/13/2017	ND<2	FALSE
GWC-12A	6/19/2018	ND<2	FALSE
GWC-12A	12/19/2018	ND<2	FALSE
GWC-12A	6/11/2019	ND<2	FALSE
GWC-12A	12/9/2019	ND<2	FALSE
GWC-12A	6/24/2020	ND<2	FALSE
GWC-12A	12/15/2020	ND<2	FALSE
GWC-12A	6/15/2021	ND<2	FALSE
GWC-12A	12/13/2021	ND<2	FALSE
GWC-12A	6/7/2022	ND<2	FALSE

GWC-13	12/7/2016	ND<2	FALSE
GWC-13	6/14/2017	ND<2	FALSE
GWC-13	12/12/2017	ND<2	FALSE
GWC-13	6/19/2018	ND<2	FALSE
GWC-13	12/19/2018	ND<2	FALSE
GWC-13	6/12/2019	ND<2	FALSE
GWC-13	12/11/2019	ND<2	FALSE
GWC-13	6/23/2020	ND<2	FALSE
GWC-13	12/15/2020	ND<2	FALSE
GWC-13	6/15/2021	ND<2	FALSE
GWC-13	12/15/2021	ND<2	FALSE
GWC-13	6/8/2022	ND<2	FALSE

GWC-24	12/7/2016	ND<2	FALSE
GWC-24	6/14/2017	ND<2	FALSE
GWC-24	12/13/2017	ND<2	FALSE
GWC-24	6/19/2018	ND<2	FALSE

Chloroethane

GWC-24	12/19/2018	ND<2	FALSE
GWC-24	6/11/2019	ND<2	FALSE
GWC-24	12/9/2019	ND<2	FALSE
GWC-24	6/24/2020	ND<2	FALSE
GWC-24	12/15/2020	ND<2	FALSE
GWC-24	6/14/2021	ND<2	FALSE
GWC-24	12/14/2021	ND<2	FALSE
GWC-24	6/7/2022	ND<2	FALSE

GWC-4	12/7/2016	ND<2	FALSE
GWC-4	6/20/2018	ND<2	FALSE
GWC-4	6/23/2020	ND<2	FALSE
GWC-4	12/17/2020	ND<2	FALSE
GWC-4	6/16/2021	ND<2	FALSE
GWC-4	12/14/2021	ND<2	FALSE
GWC-4	6/8/2022	ND<2	FALSE

GWC-4A	12/7/2016	ND<2	FALSE
GWC-4A	6/13/2017	ND<2	FALSE
GWC-4A	12/12/2017	ND<2	FALSE
GWC-4A	6/20/2018	ND<2	FALSE
GWC-4A	12/17/2018	ND<2	FALSE
GWC-4A	6/11/2019	ND<2	FALSE
GWC-4A	12/11/2019	ND<2	FALSE
GWC-4A	6/23/2020	ND<2	FALSE
GWC-4A	12/17/2020	ND<2	FALSE
GWC-4A	6/17/2021	ND<2	FALSE
GWC-4A	12/15/2021	ND<2	FALSE
GWC-4A	6/8/2022	ND<2	FALSE

GWC-15	12/8/2016	2.8	TRUE
GWC-15	6/14/2017	ND<2	FALSE
GWC-15	12/13/2017	ND<2	FALSE
GWC-15	6/19/2018	ND<2	FALSE
GWC-15	12/19/2018	ND<2	FALSE
GWC-15	6/11/2019	ND<2	FALSE
GWC-15	12/10/2019	ND<2	FALSE
GWC-15	6/25/2020	ND<2	FALSE
GWC-15	12/17/2020	ND<2	FALSE
GWC-15	6/16/2021	ND<2	FALSE
GWC-15	12/14/2021	ND<2	FALSE
GWC-15	6/9/2022	ND<2	FALSE

GWA-3	12/8/2016	ND<2	FALSE
GWA-3	6/14/2017	ND<2	FALSE
GWA-3	12/11/2017	ND<2	FALSE
GWA-3	6/18/2018	ND<2	FALSE
GWA-3	12/17/2018	ND<2	FALSE
GWA-3	6/11/2019	ND<2	FALSE
GWA-3	12/10/2019	ND<2	FALSE
GWA-3	6/22/2020	ND<2	FALSE
GWA-3	12/16/2020	ND<2	FALSE
GWA-3	6/14/2021	ND<2	FALSE

Chloroethane

GWA-3	12/14/2021	ND<2	FALSE
GWA-3	6/6/2022	ND<2	FALSE
<hr/>			
GWC-10	12/8/2016	ND<2	FALSE
GWC-10	6/15/2017	ND<2	FALSE
GWC-10	12/12/2017	ND<2	FALSE
GWC-10	6/19/2018	ND<2	FALSE
GWC-10	12/17/2018	ND<2	FALSE
GWC-10	6/10/2019	ND<2	FALSE
GWC-10	12/12/2019	ND<2	FALSE
GWC-10	6/24/2020	ND<2	FALSE
GWC-10	12/15/2020	ND<2	FALSE
GWC-10	6/15/2021	ND<2	FALSE
GWC-10	12/15/2021	ND<2	FALSE
GWC-10	6/7/2022	ND<2	FALSE
<hr/>			
GWC-10A	12/8/2016	ND<2	FALSE
GWC-10A	6/15/2017	ND<2	FALSE
GWC-10A	12/12/2017	ND<2	FALSE
GWC-10A	6/19/2018	ND<2	FALSE
GWC-10A	12/17/2018	ND<2	FALSE
GWC-10A	6/10/2019	ND<2	FALSE
GWC-10A	12/12/2019	ND<2	FALSE
GWC-10A	6/24/2020	ND<2	FALSE
GWC-10A	12/15/2020	ND<2	FALSE
GWC-10A	6/15/2021	ND<2	FALSE
GWC-10A	12/15/2021	ND<2	FALSE
GWC-10A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-14A	12/8/2016	6.4	TRUE
GWC-14A	6/13/2017	5.8	TRUE
GWC-14A	12/12/2017	7.7	TRUE
GWC-14A	6/20/2018	8.5	TRUE
GWC-14A	12/19/2018	5.4	TRUE
GWC-14A	6/11/2019	4.4	TRUE
GWC-14A	12/10/2019	3.6	TRUE
GWC-14A	6/24/2020	3.3	TRUE
GWC-14A	12/15/2020	4.2	TRUE
GWC-14A	6/15/2021	3	TRUE
GWC-14A	12/14/2021	5	TRUE
GWC-14A	6/9/2022	3.7	TRUE
<hr/>			
GWC-14R	12/8/2016	ND<2	FALSE
GWC-14R	6/13/2017	ND<2	FALSE
GWC-14R	12/12/2017	ND<2	FALSE
GWC-14R	6/20/2018	ND<2	FALSE
GWC-14R	12/19/2018	ND<2	FALSE
GWC-14R	6/12/2019	ND<2	FALSE
GWC-14R	12/10/2019	ND<2	FALSE
GWC-14R	6/23/2020	ND<2	FALSE
GWC-14R	12/17/2020	ND<2	FALSE
GWC-14R	6/16/2021	ND<2	FALSE
GWC-14R	12/14/2021	ND<2	FALSE

Chloroethane

GWC-14R	6/9/2022	ND<2	FALSE
<hr/>			
GWC-2	12/8/2016	ND<2	FALSE
GWC-2	6/15/2017	ND<2	FALSE
GWC-2	12/13/2017	ND<2	FALSE
GWC-2	6/20/2018	ND<2	FALSE
GWC-2	12/19/2018	ND<2	FALSE
GWC-2	6/12/2019	ND<2	FALSE
GWC-2	12/10/2019	ND<2	FALSE
GWC-2	6/22/2020	ND<2	FALSE
GWC-2	12/16/2020	ND<2	FALSE
GWC-2	6/15/2021	ND<2	FALSE
GWC-2	12/15/2021	ND<2	FALSE
GWC-2	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3	12/8/2016	ND<2	FALSE
GWC-3	6/15/2017	ND<2	FALSE
GWC-3	6/21/2018	ND<2	FALSE
GWC-3	12/17/2018	ND<2	FALSE
GWC-3	6/11/2019	ND<2	FALSE
GWC-3	12/10/2019	ND<2	FALSE
GWC-3	6/24/2020	ND<2	FALSE
GWC-3	12/16/2020	ND<2	FALSE
GWC-3	6/15/2021	ND<2	FALSE
GWC-3	12/15/2021	ND<2	FALSE
GWC-3	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3A	12/8/2016	ND<2	FALSE
GWC-3A	6/15/2017	ND<2	FALSE
GWC-3A	12/12/2017	ND<2	FALSE
GWC-3A	6/20/2018	ND<2	FALSE
GWC-3A	12/17/2018	ND<2	FALSE
GWC-3A	6/11/2019	ND<2	FALSE
GWC-3A	12/10/2019	ND<2	FALSE
GWC-3A	6/24/2020	ND<2	FALSE
GWC-3A	12/16/2020	ND<2	FALSE
GWC-3A	6/14/2021	ND<2	FALSE
GWC-3A	12/15/2021	ND<2	FALSE
GWC-3A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-5	12/8/2016	ND<2	FALSE
GWC-5	6/12/2017	ND<2	FALSE
GWC-5	12/12/2017	ND<2	FALSE
GWC-5	6/21/2018	ND<2	FALSE
GWC-5	12/18/2018	ND<2	FALSE
GWC-5	6/12/2019	ND<2	FALSE
GWC-5	12/10/2019	ND<2	FALSE
GWC-5	6/23/2020	ND<2	FALSE
GWC-5	12/17/2020	ND<2	FALSE
GWC-5	6/15/2021	ND<2	FALSE
GWC-5	12/13/2021	ND<2	FALSE
GWC-5	6/8/2022	ND<2	FALSE

Chloroethane

GWC-6	12/8/2016	ND<2	FALSE
GWC-6	6/12/2017	ND<2	FALSE
GWC-6	12/13/2017	ND<2	FALSE
GWC-6	6/21/2018	ND<2	FALSE
GWC-6	12/19/2018	ND<2	FALSE
GWC-6	6/12/2019	ND<2	FALSE
GWC-6	12/10/2019	ND<2	FALSE
GWC-6	6/24/2020	ND<2	FALSE
GWC-6	12/17/2020	ND<2	FALSE
GWC-6	6/15/2021	ND<2	FALSE
GWC-6	12/13/2021	ND<2	FALSE
GWC-6	6/8/2022	ND<2	FALSE

GWC-7	12/8/2016	ND<2	FALSE
GWC-7	6/12/2017	ND<2	FALSE
GWC-7	12/12/2017	ND<2	FALSE
GWC-7	6/19/2018	ND<2	FALSE
GWC-7	12/18/2018	ND<2	FALSE
GWC-7	6/12/2019	ND<2	FALSE
GWC-7	12/11/2019	ND<2	FALSE
GWC-7	6/24/2020	ND<2	FALSE
GWC-7	12/17/2020	ND<2	FALSE
GWC-7	6/15/2021	ND<2	FALSE
GWC-7	12/13/2021	ND<2	FALSE
GWC-7	6/8/2022	ND<2	FALSE

GWC-8	12/8/2016	ND<2	FALSE
GWC-8	12/12/2017	ND<2	FALSE
GWC-8	6/20/2018	ND<2	FALSE
GWC-8	12/19/2018	ND<2	FALSE
GWC-8	6/12/2019	ND<2	FALSE
GWC-8	12/11/2019	ND<2	FALSE
GWC-8	6/23/2020	ND<2	FALSE
GWC-8	12/16/2020	ND<2	FALSE
GWC-8	6/16/2021	ND<2	FALSE
GWC-8	12/15/2021	ND<2	FALSE
GWC-8	6/9/2022	ND<2	FALSE

GWC-8A	12/8/2016	ND<2	FALSE
GWC-8A	6/13/2017	ND<2	FALSE
GWC-8A	12/12/2017	ND<2	FALSE
GWC-8A	6/20/2018	ND<2	FALSE
GWC-8A	12/19/2018	ND<2	FALSE
GWC-8A	6/12/2019	ND<2	FALSE
GWC-8A	12/11/2019	ND<2	FALSE
GWC-8A	6/23/2020	ND<2	FALSE
GWC-8A	12/15/2020	ND<2	FALSE
GWC-8A	6/16/2021	ND<2	FALSE
GWC-8A	12/15/2021	ND<2	FALSE
GWC-8A	6/9/2022	ND<2	FALSE

GWC-8R 12/8/2016 2.2 TRUE

Chloroethane

GWC-8R	6/13/2017	ND<2	FALSE
GWC-8R	12/12/2017	ND<2	FALSE
GWC-8R	6/20/2018	ND<2	FALSE
GWC-8R	12/19/2018	ND<2	FALSE
GWC-8R	6/12/2019	ND<2	FALSE
GWC-8R	12/11/2019	ND<2	FALSE
GWC-8R	6/23/2020	ND<2	FALSE
GWC-8R	12/15/2020	ND<2	FALSE
GWC-8R	6/16/2021	ND<2	FALSE
GWC-8R	12/15/2021	ND<2	FALSE
GWC-8R	6/9/2022	ND<2	FALSE

GWC-9	12/8/2016	ND<2	FALSE
GWC-9	6/15/2017	ND<2	FALSE
GWC-9	12/13/2017	ND<2	FALSE
GWC-9	6/20/2018	ND<2	FALSE
GWC-9	12/18/2018	ND<2	FALSE
GWC-9	6/12/2019	ND<2	FALSE
GWC-9	12/12/2019	ND<2	FALSE
GWC-9	6/24/2020	ND<2	FALSE
GWC-9	12/17/2020	ND<2	FALSE
GWC-9	6/15/2021	ND<2	FALSE
GWC-9	12/13/2021	ND<2	FALSE
GWC-9	6/7/2022	ND<2	FALSE

GWC-14	6/13/2017	ND<2	FALSE
GWC-14	6/20/2018	ND<2	FALSE
GWC-14	6/11/2019	ND<2	FALSE
GWC-14	12/10/2019	ND<2	FALSE
GWC-14	6/24/2020	ND<2	FALSE
GWC-14	12/17/2020	ND<2	FALSE
GWC-14	6/15/2021	ND<2	FALSE
GWC-14	12/15/2021	ND<2	FALSE
GWC-14	6/9/2022	ND<2	FALSE

GWC-17	6/14/2017	ND<2	FALSE
GWC-17	12/12/2017	ND<2	FALSE
GWC-17	6/19/2018	ND<2	FALSE
GWC-17	12/19/2018	ND<2	FALSE
GWC-17	6/12/2019	ND<2	FALSE
GWC-17	12/10/2019	ND<2	FALSE
GWC-17	6/23/2020	ND<2	FALSE
GWC-17	12/15/2020	ND<2	FALSE
GWC-17	6/14/2021	ND<2	FALSE
GWC-17	12/14/2021	ND<2	FALSE
GWC-17	6/9/2022	ND<2	FALSE

cis-1,2-Dichloroethene

Non-Parametric Tolerance Interval

Parameter: cis-1,2-Dichloroethene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 71.5365%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWC-18	12/6/2016	16	TRUE
GWC-18	6/14/2017	16	TRUE
GWC-18	12/13/2017	14	TRUE
GWC-18	6/19/2018	7.7	TRUE
GWC-18	12/18/2018	12	TRUE
GWC-18	6/11/2019	14	TRUE
GWC-18	12/9/2019	30	TRUE
GWC-18	6/23/2020	10	TRUE
GWC-18	12/15/2020	26	TRUE
GWC-18	6/14/2021	6.2	TRUE
GWC-18	12/14/2021	10	TRUE
GWC-18	6/7/2022	13	TRUE

GWC-19R	12/6/2016	13	TRUE
GWC-19R	6/14/2017	2.4	TRUE
GWC-19R	12/13/2017	4.7	TRUE
GWC-19R	6/19/2018	5.1	TRUE
GWC-19R	12/18/2018	2.9	TRUE
GWC-19R	6/11/2019	7.7	TRUE
GWC-19R	12/9/2019	11	TRUE
GWC-19R	6/23/2020	7.2	TRUE
GWC-19R	12/15/2020	7.9	TRUE
GWC-19R	6/14/2021	5.3	TRUE
GWC-19R	12/14/2021	7.9	TRUE
GWC-19R	6/6/2022	4	TRUE

GWC-22	12/6/2016	ND<2	FALSE
GWC-22	6/14/2017	ND<2	FALSE
GWC-22	12/11/2017	ND<2	FALSE
GWC-22	6/19/2018	ND<2	FALSE
GWC-22	12/18/2018	ND<2	FALSE
GWC-22	6/12/2019	ND<2	FALSE
GWC-22	12/11/2019	ND<2	FALSE
GWC-22	6/23/2020	ND<2	FALSE
GWC-22	12/17/2020	ND<2	FALSE
GWC-22	6/14/2021	ND<2	FALSE
GWC-22	12/13/2021	ND<2	FALSE
GWC-22	6/6/2022	ND<2	FALSE

GWC-23	12/6/2016	ND<2	FALSE
GWC-23	6/14/2017	ND<2	FALSE

cis-1,2-Dichloroethene

GWC-23	12/11/2017	ND<2	FALSE
GWC-23	6/18/2018	ND<2	FALSE
GWC-23	12/18/2018	ND<2	FALSE
GWC-23	6/12/2019	ND<2	FALSE
GWC-23	12/11/2019	ND<2	FALSE
GWC-23	6/24/2020	ND<2	FALSE
GWC-23	12/16/2020	ND<2	FALSE
GWC-23	6/14/2021	ND<2	FALSE
GWC-23	12/13/2021	ND<2	FALSE
GWC-23	6/6/2022	ND<2	FALSE

GWC-23A	12/6/2016	ND<2	FALSE
GWC-23A	6/14/2017	ND<2	FALSE
GWC-23A	12/11/2017	ND<2	FALSE
GWC-23A	6/18/2018	ND<2	FALSE
GWC-23A	12/18/2018	ND<2	FALSE
GWC-23A	6/12/2019	ND<2	FALSE
GWC-23A	12/11/2019	ND<2	FALSE
GWC-23A	6/24/2020	ND<2	FALSE
GWC-23A	12/16/2020	ND<2	FALSE
GWC-23A	6/14/2021	ND<2	FALSE
GWC-23A	12/13/2021	ND<2	FALSE
GWC-23A	6/6/2022	ND<2	FALSE

GWC-16A	12/7/2016	3.5	TRUE
GWC-16A	6/14/2017	39	TRUE
GWC-16A	12/13/2017	2.9	TRUE
GWC-16A	6/21/2018	ND<2	FALSE
GWC-16A	12/19/2018	2.5	TRUE
GWC-16A	6/13/2019	ND<2	FALSE
GWC-16A	12/11/2019	2.1	TRUE
GWC-16A	6/23/2020	2.2	TRUE
GWC-16A	12/17/2020	2.3	TRUE
GWC-16A	6/16/2021	2.1	TRUE
GWC-16A	12/16/2021	ND<2	FALSE
GWC-16A	6/9/2022	ND<2	FALSE

GWA-1A	12/7/2016	ND<2	FALSE
GWA-1A	6/12/2017	ND<2	FALSE
GWA-1A	12/13/2017	ND<2	FALSE
GWA-1A	6/19/2018	ND<2	FALSE
GWA-1A	12/18/2018	ND<2	FALSE
GWA-1A	6/10/2019	ND<2	FALSE
GWA-1A	12/9/2019	ND<2	FALSE
GWA-1A	6/23/2020	ND<2	FALSE
GWA-1A	12/17/2020	ND<2	FALSE
GWA-1A	6/17/2021	ND<2	FALSE
GWA-1A	12/16/2021	ND<2	FALSE
GWA-1A	6/8/2022	ND<2	FALSE

GWC-11	12/7/2016	ND<2	FALSE
GWC-11	6/14/2017	ND<2	FALSE
GWC-11	12/13/2017	ND<2	FALSE

cis-1,2-Dichloroethene

GWC-11	6/19/2018	ND<2	FALSE
GWC-11	12/19/2018	ND<2	FALSE
GWC-11	6/12/2019	ND<2	FALSE
GWC-11	12/12/2019	ND<2	FALSE
GWC-11	6/24/2020	ND<2	FALSE
GWC-11	12/15/2020	ND<2	FALSE
GWC-11	6/15/2021	ND<2	FALSE
GWC-11	12/13/2021	ND<2	FALSE
GWC-11	6/7/2022	ND<2	FALSE

GWC-12	12/7/2016	ND<2	FALSE
GWC-12	6/14/2017	ND<2	FALSE
GWC-12	12/13/2017	ND<2	FALSE
GWC-12	6/19/2018	ND<2	FALSE
GWC-12	12/19/2018	ND<2	FALSE
GWC-12	6/11/2019	ND<2	FALSE
GWC-12	12/9/2019	ND<2	FALSE
GWC-12	6/24/2020	ND<2	FALSE
GWC-12	12/15/2020	ND<2	FALSE
GWC-12	6/15/2021	ND<2	FALSE
GWC-12	12/13/2021	ND<2	FALSE
GWC-12	6/7/2022	ND<2	FALSE

GWC-12A	12/7/2016	ND<2	FALSE
GWC-12A	6/14/2017	ND<2	FALSE
GWC-12A	12/13/2017	ND<2	FALSE
GWC-12A	6/19/2018	ND<2	FALSE
GWC-12A	12/19/2018	ND<2	FALSE
GWC-12A	6/11/2019	ND<2	FALSE
GWC-12A	12/9/2019	ND<2	FALSE
GWC-12A	6/24/2020	ND<2	FALSE
GWC-12A	12/15/2020	ND<2	FALSE
GWC-12A	6/15/2021	ND<2	FALSE
GWC-12A	12/13/2021	ND<2	FALSE
GWC-12A	6/7/2022	ND<2	FALSE

GWC-13	12/7/2016	ND<2	FALSE
GWC-13	6/14/2017	ND<2	FALSE
GWC-13	12/12/2017	ND<2	FALSE
GWC-13	6/19/2018	ND<2	FALSE
GWC-13	12/19/2018	ND<2	FALSE
GWC-13	6/12/2019	ND<2	FALSE
GWC-13	12/11/2019	ND<2	FALSE
GWC-13	6/23/2020	ND<2	FALSE
GWC-13	12/15/2020	ND<2	FALSE
GWC-13	6/15/2021	ND<2	FALSE
GWC-13	12/15/2021	ND<2	FALSE
GWC-13	6/8/2022	ND<2	FALSE

GWC-24	12/7/2016	5.4	TRUE
GWC-24	6/14/2017	ND<2	FALSE
GWC-24	12/13/2017	ND<2	FALSE
GWC-24	6/19/2018	2.2	TRUE

cis-1,2-Dichloroethene

GWC-24	12/19/2018	3.7	TRUE
GWC-24	6/11/2019	4.4	TRUE
GWC-24	12/9/2019	6.1	TRUE
GWC-24	6/24/2020	3	TRUE
GWC-24	12/15/2020	3.5	TRUE
GWC-24	6/14/2021	ND<2	FALSE
GWC-24	12/14/2021	ND<2	FALSE
GWC-24	6/7/2022	ND<2	FALSE

GWC-4	12/7/2016	ND<2	FALSE
GWC-4	6/20/2018	ND<2	FALSE
GWC-4	6/23/2020	ND<2	FALSE
GWC-4	12/17/2020	ND<2	FALSE
GWC-4	6/16/2021	ND<2	FALSE
GWC-4	12/14/2021	ND<2	FALSE
GWC-4	6/8/2022	ND<2	FALSE

GWC-4A	12/7/2016	ND<2	FALSE
GWC-4A	6/13/2017	ND<2	FALSE
GWC-4A	12/12/2017	ND<2	FALSE
GWC-4A	6/20/2018	ND<2	FALSE
GWC-4A	12/17/2018	ND<2	FALSE
GWC-4A	6/11/2019	ND<2	FALSE
GWC-4A	12/11/2019	ND<2	FALSE
GWC-4A	6/23/2020	ND<2	FALSE
GWC-4A	12/17/2020	ND<2	FALSE
GWC-4A	6/17/2021	ND<2	FALSE
GWC-4A	12/15/2021	ND<2	FALSE
GWC-4A	6/8/2022	ND<2	FALSE

GWC-15	12/8/2016	110	TRUE
GWC-15	6/14/2017	10	TRUE
GWC-15	12/13/2017	11	TRUE
GWC-15	6/19/2018	2	FALSE
GWC-15	12/19/2018	2.9	TRUE
GWC-15	6/11/2019	97	TRUE
GWC-15	12/10/2019	51	TRUE
GWC-15	6/25/2020	110	TRUE
GWC-15	12/17/2020	110	TRUE
GWC-15	6/16/2021	130	TRUE
GWC-15	12/14/2021	140	TRUE
GWC-15	6/9/2022	150	TRUE

GWA-3	12/8/2016	ND<2	FALSE
GWA-3	6/14/2017	ND<2	FALSE
GWA-3	12/11/2017	ND<2	FALSE
GWA-3	6/18/2018	ND<2	FALSE
GWA-3	12/17/2018	ND<2	FALSE
GWA-3	6/11/2019	ND<2	FALSE
GWA-3	12/10/2019	ND<2	FALSE
GWA-3	6/22/2020	ND<2	FALSE
GWA-3	12/16/2020	ND<2	FALSE
GWA-3	6/14/2021	ND<2	FALSE

cis-1,2-Dichloroethene

GWA-3	12/14/2021	ND<2	FALSE
GWA-3	6/6/2022	ND<2	FALSE
<hr/>			
GWC-10	12/8/2016	ND<2	FALSE
GWC-10	6/15/2017	ND<2	FALSE
GWC-10	12/12/2017	ND<2	FALSE
GWC-10	6/19/2018	ND<2	FALSE
GWC-10	12/17/2018	ND<2	FALSE
GWC-10	6/10/2019	ND<2	FALSE
GWC-10	12/12/2019	ND<2	FALSE
GWC-10	6/24/2020	ND<2	FALSE
GWC-10	12/15/2020	ND<2	FALSE
GWC-10	6/15/2021	ND<2	FALSE
GWC-10	12/15/2021	ND<2	FALSE
GWC-10	6/7/2022	ND<2	FALSE
<hr/>			
GWC-10A	12/8/2016	ND<2	FALSE
GWC-10A	6/15/2017	ND<2	FALSE
GWC-10A	12/12/2017	ND<2	FALSE
GWC-10A	6/19/2018	ND<2	FALSE
GWC-10A	12/17/2018	ND<2	FALSE
GWC-10A	6/10/2019	ND<2	FALSE
GWC-10A	12/12/2019	ND<2	FALSE
GWC-10A	6/24/2020	ND<2	FALSE
GWC-10A	12/15/2020	ND<2	FALSE
GWC-10A	6/15/2021	ND<2	FALSE
GWC-10A	12/15/2021	ND<2	FALSE
GWC-10A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-14A	12/8/2016	33	TRUE
GWC-14A	6/13/2017	64	TRUE
GWC-14A	12/12/2017	62	TRUE
GWC-14A	6/20/2018	71	TRUE
GWC-14A	12/19/2018	53	TRUE
GWC-14A	6/11/2019	46	TRUE
GWC-14A	12/10/2019	65	TRUE
GWC-14A	6/24/2020	62	TRUE
GWC-14A	12/15/2020	69	TRUE
GWC-14A	6/15/2021	59	TRUE
GWC-14A	12/14/2021	77	TRUE
GWC-14A	6/9/2022	54	TRUE
<hr/>			
GWC-14R	12/8/2016	19	TRUE
GWC-14R	6/13/2017	26	TRUE
GWC-14R	12/12/2017	20	TRUE
GWC-14R	6/20/2018	24	TRUE
GWC-14R	12/19/2018	17	TRUE
GWC-14R	6/12/2019	21	TRUE
GWC-14R	12/10/2019	19	TRUE
GWC-14R	6/23/2020	26	TRUE
GWC-14R	12/17/2020	28	TRUE
GWC-14R	6/16/2021	26	TRUE
GWC-14R	12/14/2021	24	TRUE

cis-1,2-Dichloroethene

GWC-14R	6/9/2022	21	TRUE
<hr/>			
GWC-2	12/8/2016	ND<2	FALSE
GWC-2	6/15/2017	ND<2	FALSE
GWC-2	12/13/2017	ND<2	FALSE
GWC-2	6/20/2018	ND<2	FALSE
GWC-2	12/19/2018	ND<2	FALSE
GWC-2	6/12/2019	ND<2	FALSE
GWC-2	12/10/2019	ND<2	FALSE
GWC-2	6/22/2020	ND<2	FALSE
GWC-2	12/16/2020	ND<2	FALSE
GWC-2	6/15/2021	ND<2	FALSE
GWC-2	12/15/2021	ND<2	FALSE
GWC-2	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3	12/8/2016	ND<2	FALSE
GWC-3	6/15/2017	ND<2	FALSE
GWC-3	6/21/2018	ND<2	FALSE
GWC-3	12/17/2018	ND<2	FALSE
GWC-3	6/11/2019	ND<2	FALSE
GWC-3	12/10/2019	ND<2	FALSE
GWC-3	6/24/2020	ND<2	FALSE
GWC-3	12/16/2020	ND<2	FALSE
GWC-3	6/15/2021	ND<2	FALSE
GWC-3	12/15/2021	ND<2	FALSE
GWC-3	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3A	12/8/2016	ND<2	FALSE
GWC-3A	6/15/2017	ND<2	FALSE
GWC-3A	12/12/2017	ND<2	FALSE
GWC-3A	6/20/2018	ND<2	FALSE
GWC-3A	12/17/2018	ND<2	FALSE
GWC-3A	6/11/2019	ND<2	FALSE
GWC-3A	12/10/2019	ND<2	FALSE
GWC-3A	6/24/2020	ND<2	FALSE
GWC-3A	12/16/2020	ND<2	FALSE
GWC-3A	6/14/2021	ND<2	FALSE
GWC-3A	12/15/2021	ND<2	FALSE
GWC-3A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-5	12/8/2016	ND<2	FALSE
GWC-5	6/12/2017	ND<2	FALSE
GWC-5	12/12/2017	ND<2	FALSE
GWC-5	6/21/2018	ND<2	FALSE
GWC-5	12/18/2018	ND<2	FALSE
GWC-5	6/12/2019	ND<2	FALSE
GWC-5	12/10/2019	ND<2	FALSE
GWC-5	6/23/2020	ND<2	FALSE
GWC-5	12/17/2020	ND<2	FALSE
GWC-5	6/15/2021	ND<2	FALSE
GWC-5	12/13/2021	ND<2	FALSE
GWC-5	6/8/2022	ND<2	FALSE

cis-1,2-Dichloroethene

GWC-6	12/8/2016	ND<2	FALSE
GWC-6	6/12/2017	ND<2	FALSE
GWC-6	12/13/2017	ND<2	FALSE
GWC-6	6/21/2018	ND<2	FALSE
GWC-6	12/19/2018	ND<2	FALSE
GWC-6	6/12/2019	ND<2	FALSE
GWC-6	12/10/2019	ND<2	FALSE
GWC-6	6/24/2020	ND<2	FALSE
GWC-6	12/17/2020	ND<2	FALSE
GWC-6	6/15/2021	ND<2	FALSE
GWC-6	12/13/2021	ND<2	FALSE
GWC-6	6/8/2022	ND<2	FALSE

GWC-7	12/8/2016	ND<2	FALSE
GWC-7	6/12/2017	ND<2	FALSE
GWC-7	12/12/2017	ND<2	FALSE
GWC-7	6/19/2018	ND<2	FALSE
GWC-7	12/18/2018	ND<2	FALSE
GWC-7	6/12/2019	ND<2	FALSE
GWC-7	12/11/2019	ND<2	FALSE
GWC-7	6/24/2020	ND<2	FALSE
GWC-7	12/17/2020	ND<2	FALSE
GWC-7	6/15/2021	ND<2	FALSE
GWC-7	12/13/2021	ND<2	FALSE
GWC-7	6/8/2022	ND<2	FALSE

GWC-8	12/8/2016	3.1	TRUE
GWC-8	12/12/2017	7.6	TRUE
GWC-8	6/20/2018	2.6	TRUE
GWC-8	12/19/2018	4.3	TRUE
GWC-8	6/12/2019	ND<2	FALSE
GWC-8	12/11/2019	2.8	TRUE
GWC-8	6/23/2020	ND<2	FALSE
GWC-8	12/16/2020	ND<2	FALSE
GWC-8	6/16/2021	ND<2	FALSE
GWC-8	12/15/2021	ND<2	FALSE
GWC-8	6/9/2022	ND<2	FALSE

GWC-8A	12/8/2016	32	TRUE
GWC-8A	6/13/2017	27	TRUE
GWC-8A	12/12/2017	37	TRUE
GWC-8A	6/20/2018	32	TRUE
GWC-8A	12/19/2018	31	TRUE
GWC-8A	6/12/2019	22	TRUE
GWC-8A	12/11/2019	33	TRUE
GWC-8A	6/23/2020	23	TRUE
GWC-8A	12/15/2020	31	TRUE
GWC-8A	6/16/2021	24	TRUE
GWC-8A	12/15/2021	24	TRUE
GWC-8A	6/9/2022	27	TRUE

GWC-8R	12/8/2016	17	TRUE
--------	-----------	----	------

cis-1,2-Dichloroethene

GWC-8R	6/13/2017	23	TRUE
GWC-8R	12/12/2017	21	TRUE
GWC-8R	6/20/2018	24	TRUE
GWC-8R	12/19/2018	18	TRUE
GWC-8R	6/12/2019	21	TRUE
GWC-8R	12/11/2019	24	TRUE
GWC-8R	6/23/2020	27	TRUE
GWC-8R	12/15/2020	30	TRUE
GWC-8R	6/16/2021	32	TRUE
GWC-8R	12/15/2021	24	TRUE
GWC-8R	6/9/2022	24	TRUE

GWC-9	12/8/2016	ND<2	FALSE
GWC-9	6/15/2017	ND<2	FALSE
GWC-9	12/13/2017	ND<2	FALSE
GWC-9	6/20/2018	ND<2	FALSE
GWC-9	12/18/2018	ND<2	FALSE
GWC-9	6/12/2019	ND<2	FALSE
GWC-9	12/12/2019	ND<2	FALSE
GWC-9	6/24/2020	ND<2	FALSE
GWC-9	12/17/2020	ND<2	FALSE
GWC-9	6/15/2021	ND<2	FALSE
GWC-9	12/13/2021	ND<2	FALSE
GWC-9	6/7/2022	ND<2	FALSE

GWC-14	6/13/2017	ND<2	FALSE
GWC-14	6/20/2018	ND<2	FALSE
GWC-14	6/11/2019	ND<2	FALSE
GWC-14	12/10/2019	ND<2	FALSE
GWC-14	6/24/2020	ND<2	FALSE
GWC-14	12/17/2020	ND<2	FALSE
GWC-14	6/15/2021	ND<2	FALSE
GWC-14	12/15/2021	ND<2	FALSE
GWC-14	6/9/2022	ND<2	FALSE

GWC-17	6/14/2017	8.4	TRUE
GWC-17	12/12/2017	17	TRUE
GWC-17	6/19/2018	4.7	TRUE
GWC-17	12/19/2018	8.7	TRUE
GWC-17	6/12/2019	ND<2	FALSE
GWC-17	12/10/2019	15	TRUE
GWC-17	6/23/2020	ND<2	FALSE
GWC-17	12/15/2020	22	TRUE
GWC-17	6/14/2021	2.2	TRUE
GWC-17	12/14/2021	7.6	TRUE
GWC-17	6/9/2022	5.4	TRUE

Tetrachloroethene

Non-Parametric Tolerance Interval

Parameter: Tetrachloroethene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 92.1914%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWC-18	12/6/2016	6.6	TRUE
GWC-18	6/14/2017	4.1	TRUE
GWC-18	12/13/2017	6.5	TRUE
GWC-18	6/19/2018	4.6	TRUE
GWC-18	12/18/2018	7	TRUE
GWC-18	6/11/2019	3.9	TRUE
GWC-18	12/9/2019	7.4	TRUE
GWC-18	6/23/2020	5.7	TRUE
GWC-18	12/15/2020	6.4	TRUE
GWC-18	6/14/2021	3.1	TRUE
GWC-18	12/14/2021	3.4	TRUE
GWC-18	6/7/2022	5.2	TRUE

GWC-19R	12/6/2016	ND<2	FALSE
GWC-19R	6/14/2017	ND<2	FALSE
GWC-19R	12/13/2017	ND<2	FALSE
GWC-19R	6/19/2018	ND<2	FALSE
GWC-19R	12/18/2018	2	FALSE
GWC-19R	6/11/2019	ND<2	FALSE
GWC-19R	12/9/2019	ND<2	FALSE
GWC-19R	6/23/2020	ND<2	FALSE
GWC-19R	12/15/2020	ND<2	FALSE
GWC-19R	6/14/2021	ND<2	FALSE
GWC-19R	12/14/2021	ND<2	FALSE
GWC-19R	6/6/2022	ND<2	FALSE

GWC-22	12/6/2016	ND<2	FALSE
GWC-22	6/14/2017	ND<2	FALSE
GWC-22	12/11/2017	ND<2	FALSE
GWC-22	6/19/2018	ND<2	FALSE
GWC-22	12/18/2018	ND<2	FALSE
GWC-22	6/12/2019	ND<2	FALSE
GWC-22	12/11/2019	ND<2	FALSE
GWC-22	6/23/2020	ND<2	FALSE
GWC-22	12/17/2020	ND<2	FALSE
GWC-22	6/14/2021	ND<2	FALSE
GWC-22	12/13/2021	ND<2	FALSE
GWC-22	6/6/2022	ND<2	FALSE

GWC-23	12/6/2016	ND<2	FALSE
GWC-23	6/14/2017	ND<2	FALSE

Tetrachloroethene

GWC-23	12/11/2017	ND<2	FALSE
GWC-23	6/18/2018	ND<2	FALSE
GWC-23	12/18/2018	ND<2	FALSE
GWC-23	6/12/2019	ND<2	FALSE
GWC-23	12/11/2019	ND<2	FALSE
GWC-23	6/24/2020	ND<2	FALSE
GWC-23	12/16/2020	ND<2	FALSE
GWC-23	6/14/2021	ND<2	FALSE
GWC-23	12/13/2021	ND<2	FALSE
GWC-23	6/6/2022	ND<2	FALSE

GWC-23A	12/6/2016	ND<2	FALSE
GWC-23A	6/14/2017	ND<2	FALSE
GWC-23A	12/11/2017	ND<2	FALSE
GWC-23A	6/18/2018	ND<2	FALSE
GWC-23A	12/18/2018	ND<2	FALSE
GWC-23A	6/12/2019	ND<2	FALSE
GWC-23A	12/11/2019	ND<2	FALSE
GWC-23A	6/24/2020	ND<2	FALSE
GWC-23A	12/16/2020	ND<2	FALSE
GWC-23A	6/14/2021	ND<2	FALSE
GWC-23A	12/13/2021	ND<2	FALSE
GWC-23A	6/6/2022	ND<2	FALSE

GWC-16A	12/7/2016	ND<2	FALSE
GWC-16A	6/14/2017	6.3	TRUE
GWC-16A	12/13/2017	ND<2	FALSE
GWC-16A	6/21/2018	ND<2	FALSE
GWC-16A	12/19/2018	ND<2	FALSE
GWC-16A	6/13/2019	ND<2	FALSE
GWC-16A	12/11/2019	ND<2	FALSE
GWC-16A	6/23/2020	ND<2	FALSE
GWC-16A	12/17/2020	ND<2	FALSE
GWC-16A	6/16/2021	ND<2	FALSE
GWC-16A	12/16/2021	ND<2	FALSE
GWC-16A	6/9/2022	ND<2	FALSE

GWA-1A	12/7/2016	ND<2	FALSE
GWA-1A	6/12/2017	ND<2	FALSE
GWA-1A	12/13/2017	ND<2	FALSE
GWA-1A	6/19/2018	ND<2	FALSE
GWA-1A	12/18/2018	ND<2	FALSE
GWA-1A	6/10/2019	ND<2	FALSE
GWA-1A	12/9/2019	ND<2	FALSE
GWA-1A	6/23/2020	ND<2	FALSE
GWA-1A	12/17/2020	ND<2	FALSE
GWA-1A	6/17/2021	ND<2	FALSE
GWA-1A	12/16/2021	ND<2	FALSE
GWA-1A	6/8/2022	ND<2	FALSE

GWC-11	12/7/2016	ND<2	FALSE
GWC-11	6/14/2017	ND<2	FALSE
GWC-11	12/13/2017	ND<2	FALSE

Tetrachloroethene

GWC-11	6/19/2018	ND<2	FALSE
GWC-11	12/19/2018	ND<2	FALSE
GWC-11	6/12/2019	ND<2	FALSE
GWC-11	12/12/2019	ND<2	FALSE
GWC-11	6/24/2020	ND<2	FALSE
GWC-11	12/15/2020	ND<2	FALSE
GWC-11	6/15/2021	ND<2	FALSE
GWC-11	12/13/2021	ND<2	FALSE
GWC-11	6/7/2022	ND<2	FALSE

GWC-12	12/7/2016	ND<2	FALSE
GWC-12	6/14/2017	ND<2	FALSE
GWC-12	12/13/2017	ND<2	FALSE
GWC-12	6/19/2018	ND<2	FALSE
GWC-12	12/19/2018	ND<2	FALSE
GWC-12	6/11/2019	ND<2	FALSE
GWC-12	12/9/2019	ND<2	FALSE
GWC-12	6/24/2020	ND<2	FALSE
GWC-12	12/15/2020	ND<2	FALSE
GWC-12	6/15/2021	ND<2	FALSE
GWC-12	12/13/2021	ND<2	FALSE
GWC-12	6/7/2022	ND<2	FALSE

GWC-12A	12/7/2016	ND<2	FALSE
GWC-12A	6/14/2017	ND<2	FALSE
GWC-12A	12/13/2017	ND<2	FALSE
GWC-12A	6/19/2018	ND<2	FALSE
GWC-12A	12/19/2018	ND<2	FALSE
GWC-12A	6/11/2019	ND<2	FALSE
GWC-12A	12/9/2019	ND<2	FALSE
GWC-12A	6/24/2020	ND<2	FALSE
GWC-12A	12/15/2020	ND<2	FALSE
GWC-12A	6/15/2021	ND<2	FALSE
GWC-12A	12/13/2021	ND<2	FALSE
GWC-12A	6/7/2022	ND<2	FALSE

GWC-13	12/7/2016	ND<2	FALSE
GWC-13	6/14/2017	ND<2	FALSE
GWC-13	12/12/2017	ND<2	FALSE
GWC-13	6/19/2018	ND<2	FALSE
GWC-13	12/19/2018	ND<2	FALSE
GWC-13	6/12/2019	ND<2	FALSE
GWC-13	12/11/2019	ND<2	FALSE
GWC-13	6/23/2020	ND<2	FALSE
GWC-13	12/15/2020	ND<2	FALSE
GWC-13	6/15/2021	ND<2	FALSE
GWC-13	12/15/2021	ND<2	FALSE
GWC-13	6/8/2022	ND<2	FALSE

GWC-24	12/7/2016	ND<2	FALSE
GWC-24	6/14/2017	ND<2	FALSE
GWC-24	12/13/2017	ND<2	FALSE
GWC-24	6/19/2018	ND<2	FALSE

Tetrachloroethene

GWC-24	12/19/2018	ND<2	FALSE
GWC-24	6/11/2019	ND<2	FALSE
GWC-24	12/9/2019	ND<2	FALSE
GWC-24	6/24/2020	ND<2	FALSE
GWC-24	12/15/2020	ND<2	FALSE
GWC-24	6/14/2021	ND<2	FALSE
GWC-24	12/14/2021	ND<2	FALSE
GWC-24	6/7/2022	ND<2	FALSE

GWC-4	12/7/2016	ND<2	FALSE
GWC-4	6/20/2018	ND<2	FALSE
GWC-4	6/23/2020	ND<2	FALSE
GWC-4	12/17/2020	ND<2	FALSE
GWC-4	6/16/2021	ND<2	FALSE
GWC-4	12/14/2021	ND<2	FALSE
GWC-4	6/8/2022	ND<2	FALSE

GWC-4A	12/7/2016	ND<2	FALSE
GWC-4A	6/13/2017	ND<2	FALSE
GWC-4A	12/12/2017	ND<2	FALSE
GWC-4A	6/20/2018	ND<2	FALSE
GWC-4A	12/17/2018	ND<2	FALSE
GWC-4A	6/11/2019	ND<2	FALSE
GWC-4A	12/11/2019	ND<2	FALSE
GWC-4A	6/23/2020	ND<2	FALSE
GWC-4A	12/17/2020	ND<2	FALSE
GWC-4A	6/17/2021	ND<2	FALSE
GWC-4A	12/15/2021	ND<2	FALSE
GWC-4A	6/8/2022	ND<2	FALSE

GWC-15	12/8/2016	16	TRUE
GWC-15	6/14/2017	7.3	TRUE
GWC-15	12/13/2017	2.7	TRUE
GWC-15	6/19/2018	5	TRUE
GWC-15	12/19/2018	9.7	TRUE
GWC-15	6/11/2019	50	TRUE
GWC-15	12/10/2019	31	TRUE
GWC-15	6/25/2020	48	TRUE
GWC-15	12/17/2020	19	TRUE
GWC-15	6/16/2021	29	TRUE
GWC-15	12/14/2021	12	TRUE
GWC-15	6/9/2022	42	TRUE

GWA-3	12/8/2016	ND<2	FALSE
GWA-3	6/14/2017	ND<2	FALSE
GWA-3	12/11/2017	ND<2	FALSE
GWA-3	6/18/2018	ND<2	FALSE
GWA-3	12/17/2018	ND<2	FALSE
GWA-3	6/11/2019	ND<2	FALSE
GWA-3	12/10/2019	ND<2	FALSE
GWA-3	6/22/2020	ND<2	FALSE
GWA-3	12/16/2020	ND<2	FALSE
GWA-3	6/14/2021	ND<2	FALSE

Tetrachloroethene

GWA-3	12/14/2021	ND<2	FALSE
GWA-3	6/6/2022	ND<2	FALSE
<hr/>			
GWC-10	12/8/2016	ND<2	FALSE
GWC-10	6/15/2017	ND<2	FALSE
GWC-10	12/12/2017	ND<2	FALSE
GWC-10	6/19/2018	ND<2	FALSE
GWC-10	12/17/2018	ND<2	FALSE
GWC-10	6/10/2019	ND<2	FALSE
GWC-10	12/12/2019	ND<2	FALSE
GWC-10	6/24/2020	ND<2	FALSE
GWC-10	12/15/2020	ND<2	FALSE
GWC-10	6/15/2021	ND<2	FALSE
GWC-10	12/15/2021	ND<2	FALSE
GWC-10	6/7/2022	ND<2	FALSE
<hr/>			
GWC-10A	12/8/2016	ND<2	FALSE
GWC-10A	6/15/2017	ND<2	FALSE
GWC-10A	12/12/2017	ND<2	FALSE
GWC-10A	6/19/2018	ND<2	FALSE
GWC-10A	12/17/2018	ND<2	FALSE
GWC-10A	6/10/2019	ND<2	FALSE
GWC-10A	12/12/2019	ND<2	FALSE
GWC-10A	6/24/2020	ND<2	FALSE
GWC-10A	12/15/2020	ND<2	FALSE
GWC-10A	6/15/2021	ND<2	FALSE
GWC-10A	12/15/2021	ND<2	FALSE
GWC-10A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-14A	12/8/2016	ND<2	FALSE
GWC-14A	6/13/2017	ND<2	FALSE
GWC-14A	12/12/2017	ND<2	FALSE
GWC-14A	6/20/2018	ND<2	FALSE
GWC-14A	12/19/2018	ND<2	FALSE
GWC-14A	6/11/2019	ND<2	FALSE
GWC-14A	12/10/2019	ND<2	FALSE
GWC-14A	6/24/2020	ND<2	FALSE
GWC-14A	12/15/2020	ND<2	FALSE
GWC-14A	6/15/2021	ND<2	FALSE
GWC-14A	12/14/2021	ND<2	FALSE
GWC-14A	6/9/2022	ND<2	FALSE
<hr/>			
GWC-14R	12/8/2016	2.5	TRUE
GWC-14R	6/13/2017	3.2	TRUE
GWC-14R	12/12/2017	2	FALSE
GWC-14R	6/20/2018	2	FALSE
GWC-14R	12/19/2018	ND<2	FALSE
GWC-14R	6/12/2019	ND<2	FALSE
GWC-14R	12/10/2019	ND<2	FALSE
GWC-14R	6/23/2020	ND<2	FALSE
GWC-14R	12/17/2020	ND<2	FALSE
GWC-14R	6/16/2021	ND<2	FALSE
GWC-14R	12/14/2021	ND<2	FALSE

Tetrachloroethene

GWC-14R	6/9/2022	ND<2	FALSE
<hr/>			
GWC-2	12/8/2016	ND<2	FALSE
GWC-2	6/15/2017	ND<2	FALSE
GWC-2	12/13/2017	ND<2	FALSE
GWC-2	6/20/2018	ND<2	FALSE
GWC-2	12/19/2018	ND<2	FALSE
GWC-2	6/12/2019	ND<2	FALSE
GWC-2	12/10/2019	ND<2	FALSE
GWC-2	6/22/2020	ND<2	FALSE
GWC-2	12/16/2020	ND<2	FALSE
GWC-2	6/15/2021	ND<2	FALSE
GWC-2	12/15/2021	ND<2	FALSE
GWC-2	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3	12/8/2016	ND<2	FALSE
GWC-3	6/15/2017	ND<2	FALSE
GWC-3	6/21/2018	ND<2	FALSE
GWC-3	12/17/2018	ND<2	FALSE
GWC-3	6/11/2019	ND<2	FALSE
GWC-3	12/10/2019	ND<2	FALSE
GWC-3	6/24/2020	ND<2	FALSE
GWC-3	12/16/2020	ND<2	FALSE
GWC-3	6/15/2021	ND<2	FALSE
GWC-3	12/15/2021	ND<2	FALSE
GWC-3	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3A	12/8/2016	ND<2	FALSE
GWC-3A	6/15/2017	ND<2	FALSE
GWC-3A	12/12/2017	ND<2	FALSE
GWC-3A	6/20/2018	ND<2	FALSE
GWC-3A	12/17/2018	ND<2	FALSE
GWC-3A	6/11/2019	ND<2	FALSE
GWC-3A	12/10/2019	ND<2	FALSE
GWC-3A	6/24/2020	ND<2	FALSE
GWC-3A	12/16/2020	ND<2	FALSE
GWC-3A	6/14/2021	ND<2	FALSE
GWC-3A	12/15/2021	ND<2	FALSE
GWC-3A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-5	12/8/2016	ND<2	FALSE
GWC-5	6/12/2017	ND<2	FALSE
GWC-5	12/12/2017	ND<2	FALSE
GWC-5	6/21/2018	ND<2	FALSE
GWC-5	12/18/2018	ND<2	FALSE
GWC-5	6/12/2019	ND<2	FALSE
GWC-5	12/10/2019	ND<2	FALSE
GWC-5	6/23/2020	ND<2	FALSE
GWC-5	12/17/2020	ND<2	FALSE
GWC-5	6/15/2021	ND<2	FALSE
GWC-5	12/13/2021	ND<2	FALSE
GWC-5	6/8/2022	ND<2	FALSE

Tetrachloroethene

GWC-6	12/8/2016	ND<2	FALSE
GWC-6	6/12/2017	ND<2	FALSE
GWC-6	12/13/2017	ND<2	FALSE
GWC-6	6/21/2018	ND<2	FALSE
GWC-6	12/19/2018	ND<2	FALSE
GWC-6	6/12/2019	ND<2	FALSE
GWC-6	12/10/2019	ND<2	FALSE
GWC-6	6/24/2020	ND<2	FALSE
GWC-6	12/17/2020	ND<2	FALSE
GWC-6	6/15/2021	ND<2	FALSE
GWC-6	12/13/2021	ND<2	FALSE
GWC-6	6/8/2022	ND<2	FALSE

GWC-7	12/8/2016	ND<2	FALSE
GWC-7	6/12/2017	ND<2	FALSE
GWC-7	12/12/2017	ND<2	FALSE
GWC-7	6/19/2018	ND<2	FALSE
GWC-7	12/18/2018	ND<2	FALSE
GWC-7	6/12/2019	ND<2	FALSE
GWC-7	12/11/2019	ND<2	FALSE
GWC-7	6/24/2020	ND<2	FALSE
GWC-7	12/17/2020	ND<2	FALSE
GWC-7	6/15/2021	ND<2	FALSE
GWC-7	12/13/2021	ND<2	FALSE
GWC-7	6/8/2022	ND<2	FALSE

GWC-8	12/8/2016	ND<2	FALSE
GWC-8	12/12/2017	ND<2	FALSE
GWC-8	6/20/2018	ND<2	FALSE
GWC-8	12/19/2018	ND<2	FALSE
GWC-8	6/12/2019	ND<2	FALSE
GWC-8	12/11/2019	ND<2	FALSE
GWC-8	6/23/2020	ND<2	FALSE
GWC-8	12/16/2020	ND<2	FALSE
GWC-8	6/16/2021	ND<2	FALSE
GWC-8	12/15/2021	ND<2	FALSE
GWC-8	6/9/2022	ND<2	FALSE

GWC-8A	12/8/2016	ND<2	FALSE
GWC-8A	6/13/2017	ND<2	FALSE
GWC-8A	12/12/2017	ND<2	FALSE
GWC-8A	6/20/2018	ND<2	FALSE
GWC-8A	12/19/2018	ND<2	FALSE
GWC-8A	6/12/2019	ND<2	FALSE
GWC-8A	12/11/2019	ND<2	FALSE
GWC-8A	6/23/2020	ND<2	FALSE
GWC-8A	12/15/2020	ND<2	FALSE
GWC-8A	6/16/2021	ND<2	FALSE
GWC-8A	12/15/2021	ND<2	FALSE
GWC-8A	6/9/2022	ND<2	FALSE

GWC-8R	12/8/2016	ND<2	FALSE
--------	-----------	------	-------

Tetrachloroethene

GWC-8R	6/13/2017	ND<2	FALSE
GWC-8R	12/12/2017	ND<2	FALSE
GWC-8R	6/20/2018	2	FALSE
GWC-8R	12/19/2018	ND<2	FALSE
GWC-8R	6/12/2019	ND<2	FALSE
GWC-8R	12/11/2019	ND<2	FALSE
GWC-8R	6/23/2020	ND<2	FALSE
GWC-8R	12/15/2020	ND<2	FALSE
GWC-8R	6/16/2021	ND<2	FALSE
GWC-8R	12/15/2021	ND<2	FALSE
GWC-8R	6/9/2022	ND<2	FALSE

GWC-9	12/8/2016	ND<2	FALSE
GWC-9	6/15/2017	ND<2	FALSE
GWC-9	12/13/2017	ND<2	FALSE
GWC-9	6/20/2018	ND<2	FALSE
GWC-9	12/18/2018	ND<2	FALSE
GWC-9	6/12/2019	ND<2	FALSE
GWC-9	12/12/2019	ND<2	FALSE
GWC-9	6/24/2020	ND<2	FALSE
GWC-9	12/17/2020	ND<2	FALSE
GWC-9	6/15/2021	ND<2	FALSE
GWC-9	12/13/2021	ND<2	FALSE
GWC-9	6/7/2022	ND<2	FALSE

GWC-14	6/13/2017	ND<2	FALSE
GWC-14	6/20/2018	ND<2	FALSE
GWC-14	6/11/2019	ND<2	FALSE
GWC-14	12/10/2019	ND<2	FALSE
GWC-14	6/24/2020	ND<2	FALSE
GWC-14	12/17/2020	ND<2	FALSE
GWC-14	6/15/2021	ND<2	FALSE
GWC-14	12/15/2021	ND<2	FALSE
GWC-14	6/9/2022	ND<2	FALSE

GWC-17	6/14/2017	ND<2	FALSE
GWC-17	12/12/2017	ND<2	FALSE
GWC-17	6/19/2018	ND<2	FALSE
GWC-17	12/19/2018	ND<2	FALSE
GWC-17	6/12/2019	ND<2	FALSE
GWC-17	12/10/2019	ND<2	FALSE
GWC-17	6/23/2020	ND<2	FALSE
GWC-17	12/15/2020	ND<2	FALSE
GWC-17	6/14/2021	ND<2	FALSE
GWC-17	12/14/2021	ND<2	FALSE
GWC-17	6/9/2022	ND<2	FALSE

Trichloroethene

Non-Parametric Tolerance Interval

Parameter: Trichloroethene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 90.6801%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWC-18	12/6/2016	2.3	TRUE
GWC-18	6/14/2017	ND<2	FALSE
GWC-18	12/13/2017	2.3	TRUE
GWC-18	6/19/2018	ND<2	FALSE
GWC-18	12/18/2018	2.1	TRUE
GWC-18	6/11/2019	ND<2	FALSE
GWC-18	12/9/2019	2.6	TRUE
GWC-18	6/23/2020	ND<2	FALSE
GWC-18	12/15/2020	2.4	TRUE
GWC-18	6/14/2021	ND<2	FALSE
GWC-18	12/14/2021	ND<2	FALSE
GWC-18	6/7/2022	ND<2	FALSE

GWC-19R	12/6/2016	ND<2	FALSE
GWC-19R	6/14/2017	ND<2	FALSE
GWC-19R	12/13/2017	ND<2	FALSE
GWC-19R	6/19/2018	ND<2	FALSE
GWC-19R	12/18/2018	ND<2	FALSE
GWC-19R	6/11/2019	ND<2	FALSE
GWC-19R	12/9/2019	ND<2	FALSE
GWC-19R	6/23/2020	ND<2	FALSE
GWC-19R	12/15/2020	ND<2	FALSE
GWC-19R	6/14/2021	ND<2	FALSE
GWC-19R	12/14/2021	ND<2	FALSE
GWC-19R	6/6/2022	ND<2	FALSE

GWC-22	12/6/2016	ND<2	FALSE
GWC-22	6/14/2017	ND<2	FALSE
GWC-22	12/11/2017	ND<2	FALSE
GWC-22	6/19/2018	ND<2	FALSE
GWC-22	12/18/2018	ND<2	FALSE
GWC-22	6/12/2019	ND<2	FALSE
GWC-22	12/11/2019	ND<2	FALSE
GWC-22	6/23/2020	ND<2	FALSE
GWC-22	12/17/2020	ND<2	FALSE
GWC-22	6/14/2021	ND<2	FALSE
GWC-22	12/13/2021	ND<2	FALSE
GWC-22	6/6/2022	ND<2	FALSE

GWC-23	12/6/2016	ND<2	FALSE
GWC-23	6/14/2017	ND<2	FALSE

Trichloroethene

GWC-23	12/11/2017	ND<2	FALSE
GWC-23	6/18/2018	ND<2	FALSE
GWC-23	12/18/2018	ND<2	FALSE
GWC-23	6/12/2019	ND<2	FALSE
GWC-23	12/11/2019	ND<2	FALSE
GWC-23	6/24/2020	ND<2	FALSE
GWC-23	12/16/2020	ND<2	FALSE
GWC-23	6/14/2021	ND<2	FALSE
GWC-23	12/13/2021	ND<2	FALSE
GWC-23	6/6/2022	ND<2	FALSE

GWC-23A	12/6/2016	ND<2	FALSE
GWC-23A	6/14/2017	ND<2	FALSE
GWC-23A	12/11/2017	ND<2	FALSE
GWC-23A	6/18/2018	ND<2	FALSE
GWC-23A	12/18/2018	ND<2	FALSE
GWC-23A	6/12/2019	ND<2	FALSE
GWC-23A	12/11/2019	ND<2	FALSE
GWC-23A	6/24/2020	ND<2	FALSE
GWC-23A	12/16/2020	ND<2	FALSE
GWC-23A	6/14/2021	ND<2	FALSE
GWC-23A	12/13/2021	ND<2	FALSE
GWC-23A	6/6/2022	ND<2	FALSE

GWC-16A	12/7/2016	ND<2	FALSE
GWC-16A	6/14/2017	3.9	TRUE
GWC-16A	12/13/2017	ND<2	FALSE
GWC-16A	6/21/2018	ND<2	FALSE
GWC-16A	12/19/2018	ND<2	FALSE
GWC-16A	6/13/2019	ND<2	FALSE
GWC-16A	12/11/2019	ND<2	FALSE
GWC-16A	6/23/2020	ND<2	FALSE
GWC-16A	12/17/2020	ND<2	FALSE
GWC-16A	6/16/2021	ND<2	FALSE
GWC-16A	12/16/2021	ND<2	FALSE
GWC-16A	6/9/2022	ND<2	FALSE

GWA-1A	12/7/2016	ND<2	FALSE
GWA-1A	6/12/2017	ND<2	FALSE
GWA-1A	12/13/2017	ND<2	FALSE
GWA-1A	6/19/2018	ND<2	FALSE
GWA-1A	12/18/2018	ND<2	FALSE
GWA-1A	6/10/2019	ND<2	FALSE
GWA-1A	12/9/2019	ND<2	FALSE
GWA-1A	6/23/2020	ND<2	FALSE
GWA-1A	12/17/2020	ND<2	FALSE
GWA-1A	6/17/2021	ND<2	FALSE
GWA-1A	12/16/2021	ND<2	FALSE
GWA-1A	6/8/2022	ND<2	FALSE

GWC-11	12/7/2016	ND<2	FALSE
GWC-11	6/14/2017	ND<2	FALSE
GWC-11	12/13/2017	ND<2	FALSE

Trichloroethene

GWC-11	6/19/2018	ND<2	FALSE
GWC-11	12/19/2018	ND<2	FALSE
GWC-11	6/12/2019	ND<2	FALSE
GWC-11	12/12/2019	ND<2	FALSE
GWC-11	6/24/2020	ND<2	FALSE
GWC-11	12/15/2020	ND<2	FALSE
GWC-11	6/15/2021	ND<2	FALSE
GWC-11	12/13/2021	ND<2	FALSE
GWC-11	6/7/2022	ND<2	FALSE

GWC-12	12/7/2016	ND<2	FALSE
GWC-12	6/14/2017	ND<2	FALSE
GWC-12	12/13/2017	ND<2	FALSE
GWC-12	6/19/2018	ND<2	FALSE
GWC-12	12/19/2018	ND<2	FALSE
GWC-12	6/11/2019	ND<2	FALSE
GWC-12	12/9/2019	ND<2	FALSE
GWC-12	6/24/2020	ND<2	FALSE
GWC-12	12/15/2020	ND<2	FALSE
GWC-12	6/15/2021	ND<2	FALSE
GWC-12	12/13/2021	ND<2	FALSE
GWC-12	6/7/2022	ND<2	FALSE

GWC-12A	12/7/2016	ND<2	FALSE
GWC-12A	6/14/2017	ND<2	FALSE
GWC-12A	12/13/2017	ND<2	FALSE
GWC-12A	6/19/2018	ND<2	FALSE
GWC-12A	12/19/2018	ND<2	FALSE
GWC-12A	6/11/2019	ND<2	FALSE
GWC-12A	12/9/2019	ND<2	FALSE
GWC-12A	6/24/2020	ND<2	FALSE
GWC-12A	12/15/2020	ND<2	FALSE
GWC-12A	6/15/2021	ND<2	FALSE
GWC-12A	12/13/2021	ND<2	FALSE
GWC-12A	6/7/2022	ND<2	FALSE

GWC-13	12/7/2016	ND<2	FALSE
GWC-13	6/14/2017	ND<2	FALSE
GWC-13	12/12/2017	ND<2	FALSE
GWC-13	6/19/2018	ND<2	FALSE
GWC-13	12/19/2018	ND<2	FALSE
GWC-13	6/12/2019	ND<2	FALSE
GWC-13	12/11/2019	ND<2	FALSE
GWC-13	6/23/2020	ND<2	FALSE
GWC-13	12/15/2020	ND<2	FALSE
GWC-13	6/15/2021	ND<2	FALSE
GWC-13	12/15/2021	ND<2	FALSE
GWC-13	6/8/2022	ND<2	FALSE

GWC-24	12/7/2016	ND<2	FALSE
GWC-24	6/14/2017	ND<2	FALSE
GWC-24	12/13/2017	ND<2	FALSE
GWC-24	6/19/2018	ND<2	FALSE

Trichloroethene

GWC-24	12/19/2018	ND<2	FALSE
GWC-24	6/11/2019	ND<2	FALSE
GWC-24	12/9/2019	ND<2	FALSE
GWC-24	6/24/2020	ND<2	FALSE
GWC-24	12/15/2020	ND<2	FALSE
GWC-24	6/14/2021	ND<2	FALSE
GWC-24	12/14/2021	ND<2	FALSE
GWC-24	6/7/2022	ND<2	FALSE

GWC-4	12/7/2016	ND<2	FALSE
GWC-4	6/20/2018	ND<2	FALSE
GWC-4	6/23/2020	ND<2	FALSE
GWC-4	12/17/2020	ND<2	FALSE
GWC-4	6/16/2021	ND<2	FALSE
GWC-4	12/14/2021	ND<2	FALSE
GWC-4	6/8/2022	ND<2	FALSE

GWC-4A	12/7/2016	ND<2	FALSE
GWC-4A	6/13/2017	ND<2	FALSE
GWC-4A	12/12/2017	ND<2	FALSE
GWC-4A	6/20/2018	ND<2	FALSE
GWC-4A	12/17/2018	ND<2	FALSE
GWC-4A	6/11/2019	ND<2	FALSE
GWC-4A	12/11/2019	ND<2	FALSE
GWC-4A	6/23/2020	ND<2	FALSE
GWC-4A	12/17/2020	ND<2	FALSE
GWC-4A	6/17/2021	ND<2	FALSE
GWC-4A	12/15/2021	ND<2	FALSE
GWC-4A	6/8/2022	ND<2	FALSE

GWC-15	12/8/2016	73	TRUE
GWC-15	6/14/2017	2.1	TRUE
GWC-15	12/13/2017	ND<2	FALSE
GWC-15	6/19/2018	ND<2	FALSE
GWC-15	12/19/2018	3.7	TRUE
GWC-15	6/11/2019	70	TRUE
GWC-15	12/10/2019	55	TRUE
GWC-15	6/25/2020	90	TRUE
GWC-15	12/17/2020	45	TRUE
GWC-15	6/16/2021	71	TRUE
GWC-15	12/14/2021	48	TRUE
GWC-15	6/9/2022	65	TRUE

GWA-3	12/8/2016	ND<2	FALSE
GWA-3	6/14/2017	ND<2	FALSE
GWA-3	12/11/2017	ND<2	FALSE
GWA-3	6/18/2018	ND<2	FALSE
GWA-3	12/17/2018	ND<2	FALSE
GWA-3	6/11/2019	ND<2	FALSE
GWA-3	12/10/2019	ND<2	FALSE
GWA-3	6/22/2020	ND<2	FALSE
GWA-3	12/16/2020	ND<2	FALSE
GWA-3	6/14/2021	ND<2	FALSE

Trichloroethene

GWA-3	12/14/2021	ND<2	FALSE
GWA-3	6/6/2022	ND<2	FALSE
<hr/>			
GWC-10	12/8/2016	ND<2	FALSE
GWC-10	6/15/2017	ND<2	FALSE
GWC-10	12/12/2017	ND<2	FALSE
GWC-10	6/19/2018	ND<2	FALSE
GWC-10	12/17/2018	ND<2	FALSE
GWC-10	6/10/2019	ND<2	FALSE
GWC-10	12/12/2019	ND<2	FALSE
GWC-10	6/24/2020	ND<2	FALSE
GWC-10	12/15/2020	ND<2	FALSE
GWC-10	6/15/2021	ND<2	FALSE
GWC-10	12/15/2021	ND<2	FALSE
GWC-10	6/7/2022	ND<2	FALSE
<hr/>			
GWC-10A	12/8/2016	ND<2	FALSE
GWC-10A	6/15/2017	ND<2	FALSE
GWC-10A	12/12/2017	ND<2	FALSE
GWC-10A	6/19/2018	ND<2	FALSE
GWC-10A	12/17/2018	ND<2	FALSE
GWC-10A	6/10/2019	ND<2	FALSE
GWC-10A	12/12/2019	ND<2	FALSE
GWC-10A	6/24/2020	ND<2	FALSE
GWC-10A	12/15/2020	ND<2	FALSE
GWC-10A	6/15/2021	ND<2	FALSE
GWC-10A	12/15/2021	ND<2	FALSE
GWC-10A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-14A	12/8/2016	6.8	TRUE
GWC-14A	6/13/2017	3.5	TRUE
GWC-14A	12/12/2017	3.8	TRUE
GWC-14A	6/20/2018	2.1	TRUE
GWC-14A	12/19/2018	2.2	TRUE
GWC-14A	6/11/2019	ND<2	FALSE
GWC-14A	12/10/2019	3.1	TRUE
GWC-14A	6/24/2020	ND<2	FALSE
GWC-14A	12/15/2020	ND<2	FALSE
GWC-14A	6/15/2021	ND<2	FALSE
GWC-14A	12/14/2021	ND<2	FALSE
GWC-14A	6/9/2022	ND<2	FALSE
<hr/>			
GWC-14R	12/8/2016	5.4	TRUE
GWC-14R	6/13/2017	6.8	TRUE
GWC-14R	12/12/2017	4.8	TRUE
GWC-14R	6/20/2018	5.2	TRUE
GWC-14R	12/19/2018	4.9	TRUE
GWC-14R	6/12/2019	4.7	TRUE
GWC-14R	12/10/2019	4.3	TRUE
GWC-14R	6/23/2020	4.3	TRUE
GWC-14R	12/17/2020	3.9	TRUE
GWC-14R	6/16/2021	3.9	TRUE
GWC-14R	12/14/2021	2.8	TRUE

Trichloroethene

GWC-14R	6/9/2022	2.8	TRUE
<hr/>			
GWC-2	12/8/2016	ND<2	FALSE
GWC-2	6/15/2017	ND<2	FALSE
GWC-2	12/13/2017	ND<2	FALSE
GWC-2	6/20/2018	ND<2	FALSE
GWC-2	12/19/2018	ND<2	FALSE
GWC-2	6/12/2019	ND<2	FALSE
GWC-2	12/10/2019	ND<2	FALSE
GWC-2	6/22/2020	ND<2	FALSE
GWC-2	12/16/2020	ND<2	FALSE
GWC-2	6/15/2021	ND<2	FALSE
GWC-2	12/15/2021	ND<2	FALSE
GWC-2	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3	12/8/2016	ND<2	FALSE
GWC-3	6/15/2017	ND<2	FALSE
GWC-3	6/21/2018	ND<2	FALSE
GWC-3	12/17/2018	ND<2	FALSE
GWC-3	6/11/2019	ND<2	FALSE
GWC-3	12/10/2019	ND<2	FALSE
GWC-3	6/24/2020	ND<2	FALSE
GWC-3	12/16/2020	ND<2	FALSE
GWC-3	6/15/2021	ND<2	FALSE
GWC-3	12/15/2021	ND<2	FALSE
GWC-3	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3A	12/8/2016	ND<2	FALSE
GWC-3A	6/15/2017	ND<2	FALSE
GWC-3A	12/12/2017	ND<2	FALSE
GWC-3A	6/20/2018	ND<2	FALSE
GWC-3A	12/17/2018	ND<2	FALSE
GWC-3A	6/11/2019	ND<2	FALSE
GWC-3A	12/10/2019	ND<2	FALSE
GWC-3A	6/24/2020	ND<2	FALSE
GWC-3A	12/16/2020	ND<2	FALSE
GWC-3A	6/14/2021	ND<2	FALSE
GWC-3A	12/15/2021	ND<2	FALSE
GWC-3A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-5	12/8/2016	ND<2	FALSE
GWC-5	6/12/2017	ND<2	FALSE
GWC-5	12/12/2017	ND<2	FALSE
GWC-5	6/21/2018	ND<2	FALSE
GWC-5	12/18/2018	ND<2	FALSE
GWC-5	6/12/2019	ND<2	FALSE
GWC-5	12/10/2019	ND<2	FALSE
GWC-5	6/23/2020	ND<2	FALSE
GWC-5	12/17/2020	ND<2	FALSE
GWC-5	6/15/2021	ND<2	FALSE
GWC-5	12/13/2021	ND<2	FALSE
GWC-5	6/8/2022	ND<2	FALSE

Trichloroethene

GWC-6	12/8/2016	ND<2	FALSE
GWC-6	6/12/2017	ND<2	FALSE
GWC-6	12/13/2017	ND<2	FALSE
GWC-6	6/21/2018	ND<2	FALSE
GWC-6	12/19/2018	ND<2	FALSE
GWC-6	6/12/2019	ND<2	FALSE
GWC-6	12/10/2019	ND<2	FALSE
GWC-6	6/24/2020	ND<2	FALSE
GWC-6	12/17/2020	ND<2	FALSE
GWC-6	6/15/2021	ND<2	FALSE
GWC-6	12/13/2021	ND<2	FALSE
GWC-6	6/8/2022	ND<2	FALSE

GWC-7	12/8/2016	ND<2	FALSE
GWC-7	6/12/2017	ND<2	FALSE
GWC-7	12/12/2017	ND<2	FALSE
GWC-7	6/19/2018	ND<2	FALSE
GWC-7	12/18/2018	ND<2	FALSE
GWC-7	6/12/2019	ND<2	FALSE
GWC-7	12/11/2019	ND<2	FALSE
GWC-7	6/24/2020	ND<2	FALSE
GWC-7	12/17/2020	ND<2	FALSE
GWC-7	6/15/2021	ND<2	FALSE
GWC-7	12/13/2021	ND<2	FALSE
GWC-7	6/8/2022	ND<2	FALSE

GWC-8	12/8/2016	ND<2	FALSE
GWC-8	12/12/2017	ND<2	FALSE
GWC-8	6/20/2018	ND<2	FALSE
GWC-8	12/19/2018	ND<2	FALSE
GWC-8	6/12/2019	ND<2	FALSE
GWC-8	12/11/2019	ND<2	FALSE
GWC-8	6/23/2020	ND<2	FALSE
GWC-8	12/16/2020	ND<2	FALSE
GWC-8	6/16/2021	ND<2	FALSE
GWC-8	12/15/2021	ND<2	FALSE
GWC-8	6/9/2022	ND<2	FALSE

GWC-8A	12/8/2016	ND<2	FALSE
GWC-8A	6/13/2017	ND<2	FALSE
GWC-8A	12/12/2017	ND<2	FALSE
GWC-8A	6/20/2018	ND<2	FALSE
GWC-8A	12/19/2018	ND<2	FALSE
GWC-8A	6/12/2019	ND<2	FALSE
GWC-8A	12/11/2019	ND<2	FALSE
GWC-8A	6/23/2020	ND<2	FALSE
GWC-8A	12/15/2020	ND<2	FALSE
GWC-8A	6/16/2021	ND<2	FALSE
GWC-8A	12/15/2021	ND<2	FALSE
GWC-8A	6/9/2022	ND<2	FALSE

GWC-8R	12/8/2016	ND<2	FALSE
--------	-----------	------	-------

Trichloroethene

GWC-8R	6/13/2017	2.9	TRUE
GWC-8R	12/12/2017	ND<2	FALSE
GWC-8R	6/20/2018	5.3	TRUE
GWC-8R	12/19/2018	ND<2	FALSE
GWC-8R	6/12/2019	ND<2	FALSE
GWC-8R	12/11/2019	ND<2	FALSE
GWC-8R	6/23/2020	ND<2	FALSE
GWC-8R	12/15/2020	ND<2	FALSE
GWC-8R	6/16/2021	2.1	TRUE
GWC-8R	12/15/2021	ND<2	FALSE
GWC-8R	6/9/2022	ND<2	FALSE

GWC-9	12/8/2016	ND<2	FALSE
GWC-9	6/15/2017	ND<2	FALSE
GWC-9	12/13/2017	ND<2	FALSE
GWC-9	6/20/2018	ND<2	FALSE
GWC-9	12/18/2018	ND<2	FALSE
GWC-9	6/12/2019	ND<2	FALSE
GWC-9	12/12/2019	ND<2	FALSE
GWC-9	6/24/2020	ND<2	FALSE
GWC-9	12/17/2020	ND<2	FALSE
GWC-9	6/15/2021	ND<2	FALSE
GWC-9	12/13/2021	ND<2	FALSE
GWC-9	6/7/2022	ND<2	FALSE

GWC-14	6/13/2017	ND<2	FALSE
GWC-14	6/20/2018	ND<2	FALSE
GWC-14	6/11/2019	ND<2	FALSE
GWC-14	12/10/2019	ND<2	FALSE
GWC-14	6/24/2020	ND<2	FALSE
GWC-14	12/17/2020	ND<2	FALSE
GWC-14	6/15/2021	ND<2	FALSE
GWC-14	12/15/2021	ND<2	FALSE
GWC-14	6/9/2022	ND<2	FALSE

GWC-17	6/14/2017	ND<2	FALSE
GWC-17	12/12/2017	ND<2	FALSE
GWC-17	6/19/2018	ND<2	FALSE
GWC-17	12/19/2018	ND<2	FALSE
GWC-17	6/12/2019	ND<2	FALSE
GWC-17	12/10/2019	ND<2	FALSE
GWC-17	6/23/2020	ND<2	FALSE
GWC-17	12/15/2020	ND<2	FALSE
GWC-17	6/14/2021	ND<2	FALSE
GWC-17	12/14/2021	ND<2	FALSE
GWC-17	6/9/2022	ND<2	FALSE

Vinyl chloride

Non-Parametric Tolerance Interval

Parameter: Vinyl chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 96.4736%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWC-18	12/6/2016	ND<2	FALSE
GWC-18	6/14/2017	ND<2	FALSE
GWC-18	12/13/2017	ND<2	FALSE
GWC-18	6/19/2018	ND<2	FALSE
GWC-18	12/18/2018	ND<2	FALSE
GWC-18	6/11/2019	ND<2	FALSE
GWC-18	12/9/2019	ND<2	FALSE
GWC-18	6/23/2020	ND<2	FALSE
GWC-18	12/15/2020	ND<2	FALSE
GWC-18	6/14/2021	ND<2	FALSE
GWC-18	12/14/2021	ND<2	FALSE
GWC-18	6/7/2022	ND<2	FALSE

GWC-19R	12/6/2016	ND<2	FALSE
GWC-19R	6/14/2017	ND<2	FALSE
GWC-19R	12/13/2017	ND<2	FALSE
GWC-19R	6/19/2018	ND<2	FALSE
GWC-19R	12/18/2018	ND<2	FALSE
GWC-19R	6/11/2019	ND<2	FALSE
GWC-19R	12/9/2019	ND<2	FALSE
GWC-19R	6/23/2020	ND<2	FALSE
GWC-19R	12/15/2020	ND<2	FALSE
GWC-19R	6/14/2021	ND<2	FALSE
GWC-19R	12/14/2021	ND<2	FALSE
GWC-19R	6/6/2022	ND<2	FALSE

GWC-22	12/6/2016	ND<2	FALSE
GWC-22	6/14/2017	ND<2	FALSE
GWC-22	12/11/2017	ND<2	FALSE
GWC-22	6/19/2018	ND<2	FALSE
GWC-22	12/18/2018	ND<2	FALSE
GWC-22	6/12/2019	ND<2	FALSE
GWC-22	12/11/2019	ND<2	FALSE
GWC-22	6/23/2020	ND<2	FALSE
GWC-22	12/17/2020	ND<2	FALSE
GWC-22	6/14/2021	ND<2	FALSE
GWC-22	12/13/2021	ND<2	FALSE
GWC-22	6/6/2022	ND<2	FALSE

GWC-23	12/6/2016	ND<2	FALSE
GWC-23	6/14/2017	ND<2	FALSE

Vinyl chloride

GWC-23	12/11/2017	ND<2	FALSE
GWC-23	6/18/2018	ND<2	FALSE
GWC-23	12/18/2018	ND<2	FALSE
GWC-23	6/12/2019	ND<2	FALSE
GWC-23	12/11/2019	ND<2	FALSE
GWC-23	6/24/2020	ND<2	FALSE
GWC-23	12/16/2020	ND<2	FALSE
GWC-23	6/14/2021	ND<2	FALSE
GWC-23	12/13/2021	ND<2	FALSE
GWC-23	6/6/2022	ND<2	FALSE

GWC-23A	12/6/2016	ND<2	FALSE
GWC-23A	6/14/2017	ND<2	FALSE
GWC-23A	12/11/2017	ND<2	FALSE
GWC-23A	6/18/2018	ND<2	FALSE
GWC-23A	12/18/2018	ND<2	FALSE
GWC-23A	6/12/2019	ND<2	FALSE
GWC-23A	12/11/2019	ND<2	FALSE
GWC-23A	6/24/2020	ND<2	FALSE
GWC-23A	12/16/2020	ND<2	FALSE
GWC-23A	6/14/2021	ND<2	FALSE
GWC-23A	12/13/2021	ND<2	FALSE
GWC-23A	6/6/2022	ND<2	FALSE

GWC-16A	12/7/2016	ND<2	FALSE
GWC-16A	6/14/2017	4.8	TRUE
GWC-16A	12/13/2017	ND<2	FALSE
GWC-16A	6/21/2018	ND<2	FALSE
GWC-16A	12/19/2018	ND<2	FALSE
GWC-16A	6/13/2019	ND<2	FALSE
GWC-16A	12/11/2019	ND<2	FALSE
GWC-16A	6/23/2020	ND<2	FALSE
GWC-16A	12/17/2020	ND<2	FALSE
GWC-16A	6/16/2021	ND<2	FALSE
GWC-16A	12/16/2021	ND<2	FALSE
GWC-16A	6/9/2022	ND<2	FALSE

GWA-1A	12/7/2016	ND<2	FALSE
GWA-1A	6/12/2017	ND<2	FALSE
GWA-1A	12/13/2017	ND<2	FALSE
GWA-1A	6/19/2018	ND<2	FALSE
GWA-1A	12/18/2018	ND<2	FALSE
GWA-1A	6/10/2019	ND<2	FALSE
GWA-1A	12/9/2019	ND<2	FALSE
GWA-1A	6/23/2020	ND<2	FALSE
GWA-1A	12/17/2020	ND<2	FALSE
GWA-1A	6/17/2021	ND<2	FALSE
GWA-1A	12/16/2021	ND<2	FALSE
GWA-1A	6/8/2022	ND<2	FALSE

GWC-11	12/7/2016	ND<2	FALSE
GWC-11	6/14/2017	ND<2	FALSE
GWC-11	12/13/2017	ND<2	FALSE

Vinyl chloride

GWC-11	6/19/2018	ND<2	FALSE
GWC-11	12/19/2018	ND<2	FALSE
GWC-11	6/12/2019	ND<2	FALSE
GWC-11	12/12/2019	ND<2	FALSE
GWC-11	6/24/2020	ND<2	FALSE
GWC-11	12/15/2020	ND<2	FALSE
GWC-11	6/15/2021	ND<2	FALSE
GWC-11	12/13/2021	ND<2	FALSE
GWC-11	6/7/2022	ND<2	FALSE

GWC-12	12/7/2016	ND<2	FALSE
GWC-12	6/14/2017	ND<2	FALSE
GWC-12	12/13/2017	ND<2	FALSE
GWC-12	6/19/2018	ND<2	FALSE
GWC-12	12/19/2018	ND<2	FALSE
GWC-12	6/11/2019	ND<2	FALSE
GWC-12	12/9/2019	ND<2	FALSE
GWC-12	6/24/2020	ND<2	FALSE
GWC-12	12/15/2020	ND<2	FALSE
GWC-12	6/15/2021	ND<2	FALSE
GWC-12	12/13/2021	ND<2	FALSE
GWC-12	6/7/2022	ND<2	FALSE

GWC-12A	12/7/2016	ND<2	FALSE
GWC-12A	6/14/2017	ND<2	FALSE
GWC-12A	12/13/2017	ND<2	FALSE
GWC-12A	6/19/2018	ND<2	FALSE
GWC-12A	12/19/2018	ND<2	FALSE
GWC-12A	6/11/2019	ND<2	FALSE
GWC-12A	12/9/2019	ND<2	FALSE
GWC-12A	6/24/2020	ND<2	FALSE
GWC-12A	12/15/2020	ND<2	FALSE
GWC-12A	6/15/2021	ND<2	FALSE
GWC-12A	12/13/2021	ND<2	FALSE
GWC-12A	6/7/2022	ND<2	FALSE

GWC-13	12/7/2016	ND<2	FALSE
GWC-13	6/14/2017	ND<2	FALSE
GWC-13	12/12/2017	ND<2	FALSE
GWC-13	6/19/2018	ND<2	FALSE
GWC-13	12/19/2018	ND<2	FALSE
GWC-13	6/12/2019	ND<2	FALSE
GWC-13	12/11/2019	ND<2	FALSE
GWC-13	6/23/2020	ND<2	FALSE
GWC-13	12/15/2020	ND<2	FALSE
GWC-13	6/15/2021	ND<2	FALSE
GWC-13	12/15/2021	ND<2	FALSE
GWC-13	6/8/2022	ND<2	FALSE

GWC-24	12/7/2016	ND<2	FALSE
GWC-24	6/14/2017	ND<2	FALSE
GWC-24	12/13/2017	ND<2	FALSE
GWC-24	6/19/2018	ND<2	FALSE

Vinyl chloride

GWC-24	12/19/2018	ND<2	FALSE
GWC-24	6/11/2019	ND<2	FALSE
GWC-24	12/9/2019	ND<2	FALSE
GWC-24	6/24/2020	ND<2	FALSE
GWC-24	12/15/2020	ND<2	FALSE
GWC-24	6/14/2021	ND<2	FALSE
GWC-24	12/14/2021	ND<2	FALSE
GWC-24	6/7/2022	ND<2	FALSE

GWC-4	12/7/2016	ND<2	FALSE
GWC-4	6/20/2018	ND<2	FALSE
GWC-4	6/23/2020	ND<2	FALSE
GWC-4	12/17/2020	ND<2	FALSE
GWC-4	6/16/2021	ND<2	FALSE
GWC-4	12/14/2021	ND<2	FALSE
GWC-4	6/8/2022	ND<2	FALSE

GWC-4A	12/7/2016	ND<2	FALSE
GWC-4A	6/13/2017	ND<2	FALSE
GWC-4A	12/12/2017	ND<2	FALSE
GWC-4A	6/20/2018	ND<2	FALSE
GWC-4A	12/17/2018	ND<2	FALSE
GWC-4A	6/11/2019	ND<2	FALSE
GWC-4A	12/11/2019	ND<2	FALSE
GWC-4A	6/23/2020	ND<2	FALSE
GWC-4A	12/17/2020	ND<2	FALSE
GWC-4A	6/17/2021	ND<2	FALSE
GWC-4A	12/15/2021	ND<2	FALSE
GWC-4A	6/8/2022	ND<2	FALSE

GWC-15	12/8/2016	2.3	TRUE
GWC-15	6/14/2017	ND<2	FALSE
GWC-15	12/13/2017	ND<2	FALSE
GWC-15	6/19/2018	ND<2	FALSE
GWC-15	12/19/2018	ND<2	FALSE
GWC-15	6/11/2019	ND<2	FALSE
GWC-15	12/10/2019	ND<2	FALSE
GWC-15	6/25/2020	ND<2	FALSE
GWC-15	12/17/2020	ND<2	FALSE
GWC-15	6/16/2021	ND<2	FALSE
GWC-15	12/14/2021	ND<2	FALSE
GWC-15	6/9/2022	ND<2	FALSE

GWA-3	12/8/2016	ND<2	FALSE
GWA-3	6/14/2017	ND<2	FALSE
GWA-3	12/11/2017	ND<2	FALSE
GWA-3	6/18/2018	ND<2	FALSE
GWA-3	12/17/2018	ND<2	FALSE
GWA-3	6/11/2019	ND<2	FALSE
GWA-3	12/10/2019	ND<2	FALSE
GWA-3	6/22/2020	ND<2	FALSE
GWA-3	12/16/2020	ND<2	FALSE
GWA-3	6/14/2021	ND<2	FALSE

Vinyl chloride

GWA-3	12/14/2021	ND<2	FALSE
GWA-3	6/6/2022	ND<2	FALSE
<hr/>			
GWC-10	12/8/2016	ND<2	FALSE
GWC-10	6/15/2017	ND<2	FALSE
GWC-10	12/12/2017	ND<2	FALSE
GWC-10	6/19/2018	ND<2	FALSE
GWC-10	12/17/2018	ND<2	FALSE
GWC-10	6/10/2019	ND<2	FALSE
GWC-10	12/12/2019	ND<2	FALSE
GWC-10	6/24/2020	ND<2	FALSE
GWC-10	12/15/2020	ND<2	FALSE
GWC-10	6/15/2021	ND<2	FALSE
GWC-10	12/15/2021	ND<2	FALSE
GWC-10	6/7/2022	ND<2	FALSE
<hr/>			
GWC-10A	12/8/2016	ND<2	FALSE
GWC-10A	6/15/2017	ND<2	FALSE
GWC-10A	12/12/2017	ND<2	FALSE
GWC-10A	6/19/2018	ND<2	FALSE
GWC-10A	12/17/2018	ND<2	FALSE
GWC-10A	6/10/2019	ND<2	FALSE
GWC-10A	12/12/2019	ND<2	FALSE
GWC-10A	6/24/2020	ND<2	FALSE
GWC-10A	12/15/2020	ND<2	FALSE
GWC-10A	6/15/2021	ND<2	FALSE
GWC-10A	12/15/2021	ND<2	FALSE
GWC-10A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-14A	12/8/2016	5.7	TRUE
GWC-14A	6/13/2017	3.5	TRUE
GWC-14A	12/12/2017	6	TRUE
GWC-14A	6/20/2018	6.2	TRUE
GWC-14A	12/19/2018	4.9	TRUE
GWC-14A	6/11/2019	4.3	TRUE
GWC-14A	12/10/2019	4	TRUE
GWC-14A	6/24/2020	7.5	TRUE
GWC-14A	12/15/2020	11	TRUE
GWC-14A	6/15/2021	12	TRUE
GWC-14A	12/14/2021	19	TRUE
GWC-14A	6/9/2022	19	TRUE
<hr/>			
GWC-14R	12/8/2016	ND<2	FALSE
GWC-14R	6/13/2017	ND<2	FALSE
GWC-14R	12/12/2017	ND<2	FALSE
GWC-14R	6/20/2018	ND<2	FALSE
GWC-14R	12/19/2018	ND<2	FALSE
GWC-14R	6/12/2019	ND<2	FALSE
GWC-14R	12/10/2019	ND<2	FALSE
GWC-14R	6/23/2020	ND<2	FALSE
GWC-14R	12/17/2020	ND<2	FALSE
GWC-14R	6/16/2021	ND<2	FALSE
GWC-14R	12/14/2021	ND<2	FALSE

Vinyl chloride

GWC-14R	6/9/2022	ND<2	FALSE
<hr/>			
GWC-2	12/8/2016	ND<2	FALSE
GWC-2	6/15/2017	ND<2	FALSE
GWC-2	12/13/2017	ND<2	FALSE
GWC-2	6/20/2018	ND<2	FALSE
GWC-2	12/19/2018	ND<2	FALSE
GWC-2	6/12/2019	ND<2	FALSE
GWC-2	12/10/2019	ND<2	FALSE
GWC-2	6/22/2020	ND<2	FALSE
GWC-2	12/16/2020	ND<2	FALSE
GWC-2	6/15/2021	ND<2	FALSE
GWC-2	12/15/2021	ND<2	FALSE
GWC-2	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3	12/8/2016	ND<2	FALSE
GWC-3	6/15/2017	ND<2	FALSE
GWC-3	6/21/2018	ND<2	FALSE
GWC-3	12/17/2018	ND<2	FALSE
GWC-3	6/11/2019	ND<2	FALSE
GWC-3	12/10/2019	ND<2	FALSE
GWC-3	6/24/2020	ND<2	FALSE
GWC-3	12/16/2020	ND<2	FALSE
GWC-3	6/15/2021	ND<2	FALSE
GWC-3	12/15/2021	ND<2	FALSE
GWC-3	6/7/2022	ND<2	FALSE
<hr/>			
GWC-3A	12/8/2016	ND<2	FALSE
GWC-3A	6/15/2017	ND<2	FALSE
GWC-3A	12/12/2017	ND<2	FALSE
GWC-3A	6/20/2018	ND<2	FALSE
GWC-3A	12/17/2018	ND<2	FALSE
GWC-3A	6/11/2019	ND<2	FALSE
GWC-3A	12/10/2019	ND<2	FALSE
GWC-3A	6/24/2020	ND<2	FALSE
GWC-3A	12/16/2020	ND<2	FALSE
GWC-3A	6/14/2021	ND<2	FALSE
GWC-3A	12/15/2021	ND<2	FALSE
GWC-3A	6/7/2022	ND<2	FALSE
<hr/>			
GWC-5	12/8/2016	ND<2	FALSE
GWC-5	6/12/2017	ND<2	FALSE
GWC-5	12/12/2017	ND<2	FALSE
GWC-5	6/21/2018	ND<2	FALSE
GWC-5	12/18/2018	ND<2	FALSE
GWC-5	6/12/2019	ND<2	FALSE
GWC-5	12/10/2019	ND<2	FALSE
GWC-5	6/23/2020	ND<2	FALSE
GWC-5	12/17/2020	ND<2	FALSE
GWC-5	6/15/2021	ND<2	FALSE
GWC-5	12/13/2021	ND<2	FALSE
GWC-5	6/8/2022	ND<2	FALSE

Vinyl chloride

GWC-6	12/8/2016	ND<2	FALSE
GWC-6	6/12/2017	ND<2	FALSE
GWC-6	12/13/2017	ND<2	FALSE
GWC-6	6/21/2018	ND<2	FALSE
GWC-6	12/19/2018	ND<2	FALSE
GWC-6	6/12/2019	ND<2	FALSE
GWC-6	12/10/2019	ND<2	FALSE
GWC-6	6/24/2020	ND<2	FALSE
GWC-6	12/17/2020	ND<2	FALSE
GWC-6	6/15/2021	ND<2	FALSE
GWC-6	12/13/2021	ND<2	FALSE
GWC-6	6/8/2022	ND<2	FALSE

GWC-7	12/8/2016	ND<2	FALSE
GWC-7	6/12/2017	ND<2	FALSE
GWC-7	12/12/2017	ND<2	FALSE
GWC-7	6/19/2018	ND<2	FALSE
GWC-7	12/18/2018	ND<2	FALSE
GWC-7	6/12/2019	ND<2	FALSE
GWC-7	12/11/2019	ND<2	FALSE
GWC-7	6/24/2020	ND<2	FALSE
GWC-7	12/17/2020	ND<2	FALSE
GWC-7	6/15/2021	ND<2	FALSE
GWC-7	12/13/2021	ND<2	FALSE
GWC-7	6/8/2022	ND<2	FALSE

GWC-8	12/8/2016	ND<2	FALSE
GWC-8	12/12/2017	ND<2	FALSE
GWC-8	6/20/2018	ND<2	FALSE
GWC-8	12/19/2018	ND<2	FALSE
GWC-8	6/12/2019	ND<2	FALSE
GWC-8	12/11/2019	ND<2	FALSE
GWC-8	6/23/2020	ND<2	FALSE
GWC-8	12/16/2020	ND<2	FALSE
GWC-8	6/16/2021	ND<2	FALSE
GWC-8	12/15/2021	ND<2	FALSE
GWC-8	6/9/2022	ND<2	FALSE

GWC-8A	12/8/2016	ND<2	FALSE
GWC-8A	6/13/2017	ND<2	FALSE
GWC-8A	12/12/2017	ND<2	FALSE
GWC-8A	6/20/2018	ND<2	FALSE
GWC-8A	12/19/2018	ND<2	FALSE
GWC-8A	6/12/2019	ND<2	FALSE
GWC-8A	12/11/2019	ND<2	FALSE
GWC-8A	6/23/2020	ND<2	FALSE
GWC-8A	12/15/2020	ND<2	FALSE
GWC-8A	6/16/2021	ND<2	FALSE
GWC-8A	12/15/2021	ND<2	FALSE
GWC-8A	6/9/2022	ND<2	FALSE

GWC-8R	12/8/2016	ND<2	FALSE
--------	-----------	------	-------

Vinyl chloride

GWC-8R	6/13/2017	ND<2	FALSE
GWC-8R	12/12/2017	ND<2	FALSE
GWC-8R	6/20/2018	ND<2	FALSE
GWC-8R	12/19/2018	ND<2	FALSE
GWC-8R	6/12/2019	ND<2	FALSE
GWC-8R	12/11/2019	ND<2	FALSE
GWC-8R	6/23/2020	ND<2	FALSE
GWC-8R	12/15/2020	ND<2	FALSE
GWC-8R	6/16/2021	ND<2	FALSE
GWC-8R	12/15/2021	ND<2	FALSE
GWC-8R	6/9/2022	ND<2	FALSE

GWC-9	12/8/2016	ND<2	FALSE
GWC-9	6/15/2017	ND<2	FALSE
GWC-9	12/13/2017	ND<2	FALSE
GWC-9	6/20/2018	ND<2	FALSE
GWC-9	12/18/2018	ND<2	FALSE
GWC-9	6/12/2019	ND<2	FALSE
GWC-9	12/12/2019	ND<2	FALSE
GWC-9	6/24/2020	ND<2	FALSE
GWC-9	12/17/2020	ND<2	FALSE
GWC-9	6/15/2021	ND<2	FALSE
GWC-9	12/13/2021	ND<2	FALSE
GWC-9	6/7/2022	ND<2	FALSE

GWC-14	6/13/2017	ND<2	FALSE
GWC-14	6/20/2018	ND<2	FALSE
GWC-14	6/11/2019	ND<2	FALSE
GWC-14	12/10/2019	ND<2	FALSE
GWC-14	6/24/2020	ND<2	FALSE
GWC-14	12/17/2020	ND<2	FALSE
GWC-14	6/15/2021	ND<2	FALSE
GWC-14	12/15/2021	ND<2	FALSE
GWC-14	6/9/2022	ND<2	FALSE

GWC-17	6/14/2017	ND<2	FALSE
GWC-17	12/12/2017	ND<2	FALSE
GWC-17	6/19/2018	ND<2	FALSE
GWC-17	12/19/2018	ND<2	FALSE
GWC-17	6/12/2019	ND<2	FALSE
GWC-17	12/10/2019	ND<2	FALSE
GWC-17	6/23/2020	ND<2	FALSE
GWC-17	12/15/2020	ND<2	FALSE
GWC-17	6/14/2021	ND<2	FALSE
GWC-17	12/14/2021	ND<2	FALSE
GWC-17	6/9/2022	ND<2	FALSE

Non-Parametric Tolerance Interval

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 35.7923%

Background measurements (n) = 24

Maximum Background Concentration = 39.5

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWA-1A	12/7/2016	33	FALSE
GWA-1A	6/12/2017	36	FALSE
GWA-1A	12/13/2017	33	FALSE
GWA-1A	6/20/2018	30	FALSE
GWA-1A	12/18/2018	32	FALSE
GWA-1A	6/10/2019	41	TRUE
GWA-1A	12/9/2019	30	FALSE
GWA-1A	6/23/2020	30.3	FALSE
GWA-1A	12/17/2020	31.9	FALSE
GWA-1A	6/17/2021	37.4	FALSE
GWA-1A	12/16/2021	32.3	FALSE
GWA-1A	6/8/2022	31.8	FALSE

GWC-18	12/7/2016	180	TRUE
GWC-18	6/15/2017	180	TRUE
GWC-18	12/14/2017	150	TRUE
GWC-18	6/20/2018	280	TRUE
GWC-18	12/19/2018	140	TRUE
GWC-18	6/12/2019	230	TRUE
GWC-18	12/10/2019	181	TRUE
GWC-18	6/24/2020	168	TRUE
GWC-18	12/16/2020	160	TRUE
GWC-18	6/15/2021	165	TRUE
GWC-18	12/15/2021	141	TRUE
GWC-18	6/8/2022	196	TRUE

GWC-19R	12/7/2016	130	TRUE
GWC-19R	6/15/2017	97	TRUE
GWC-19R	12/14/2017	120	TRUE
GWC-19R	6/20/2018	81	TRUE
GWC-19R	12/19/2018	160	TRUE
GWC-19R	6/12/2019	97	TRUE
GWC-19R	12/10/2019	89.2	TRUE
GWC-19R	6/24/2020	83	TRUE
GWC-19R	12/16/2020	76.5	TRUE
GWC-19R	6/15/2021	82.2	TRUE
GWC-19R	12/15/2021	87	TRUE
GWC-19R	6/7/2022	85.6	TRUE

GWC-22	12/7/2016	23	FALSE
GWC-22	6/15/2017	28	FALSE

GWC-22	12/12/2017	ND<20	FALSE
GWC-22	6/20/2018	24	FALSE
GWC-22	12/19/2018	21	FALSE
GWC-22	6/13/2019	21	FALSE
GWC-22	12/12/2019	21.5	FALSE
GWC-22	6/24/2020	22.1	FALSE
GWC-22	12/18/2020	20.4	FALSE
GWC-22	6/15/2021	28	FALSE
GWC-22	12/14/2021	24.6	FALSE
GWC-22	6/7/2022	25.8	FALSE

GWC-23	12/7/2016	ND<20	FALSE
GWC-23	6/15/2017	ND<20	FALSE
GWC-23	12/12/2017	ND<20	FALSE
GWC-23	6/19/2018	ND<20	FALSE
GWC-23	12/19/2018	ND<20	FALSE
GWC-23	6/13/2019	ND<20	FALSE
GWC-23	12/12/2019	ND<20	FALSE
GWC-23	6/24/2020	ND<20	FALSE
GWC-23	12/17/2020	ND<20	FALSE
GWC-23	6/15/2021	ND<20	FALSE
GWC-23	12/14/2021	ND<20	FALSE
GWC-23	6/7/2022	ND<20	FALSE

GWC-23A	12/7/2016	ND<20	FALSE
GWC-23A	6/15/2017	ND<20	FALSE
GWC-23A	12/12/2017	ND<20	FALSE
GWC-23A	6/19/2018	ND<20	FALSE
GWC-23A	12/19/2018	ND<20	FALSE
GWC-23A	6/13/2019	ND<20	FALSE
GWC-23A	12/12/2019	ND<20	FALSE
GWC-23A	6/24/2020	ND<20	FALSE
GWC-23A	12/17/2020	ND<20	FALSE
GWC-23A	6/15/2021	ND<20	FALSE
GWC-23A	12/14/2021	ND<20	FALSE
GWC-23A	6/7/2022	ND<20	FALSE

GWC-15	12/8/2016	60	TRUE
GWC-15	6/14/2017	120	TRUE
GWC-15	12/14/2017	99	TRUE
GWC-15	6/20/2018	98	TRUE
GWC-15	12/19/2018	58	TRUE
GWC-15	6/11/2019	60	TRUE
GWC-15	12/10/2019	42.3	TRUE
GWC-15	6/25/2020	62.7	TRUE
GWC-15	12/17/2020	54.7	TRUE
GWC-15	6/16/2021	69.4	TRUE
GWC-15	12/14/2021	73.4	TRUE
GWC-15	6/9/2022	70.8	TRUE

GWC-16A	12/8/2016	35	FALSE
GWC-16A	6/15/2017	170	TRUE
GWC-16A	12/14/2017	29	FALSE

Barium

GWC-16A	6/21/2018	34	FALSE
GWC-16A	12/20/2018	24	FALSE
GWC-16A	6/13/2019	26	FALSE
GWC-16A	12/12/2019	26.7	FALSE
GWC-16A	6/23/2020	23.6	FALSE
GWC-16A	12/17/2020	25.2	FALSE
GWC-16A	6/16/2021	24.3	FALSE
GWC-16A	12/16/2021	23.6	FALSE
GWC-16A	6/10/2022	ND<20	FALSE

GWC-11	12/8/2016	22	FALSE
GWC-11	6/15/2017	24	FALSE
GWC-11	12/14/2017	42	TRUE
GWC-11	6/20/2018	21	FALSE
GWC-11	12/20/2018	ND<20	FALSE
GWC-11	6/13/2019	40	TRUE
GWC-11	12/13/2019	35.9	FALSE
GWC-11	6/25/2020	25.9	FALSE
GWC-11	12/16/2020	25.4	FALSE
GWC-11	6/16/2021	22.1	FALSE
GWC-11	12/14/2021	23.3	FALSE
GWC-11	6/8/2022	ND<20	FALSE

GWC-12	12/8/2016	ND<20	FALSE
GWC-12	6/15/2017	ND<20	FALSE
GWC-12	12/14/2017	ND<20	FALSE
GWC-12	6/20/2018	ND<20	FALSE
GWC-12	12/20/2018	34	FALSE
GWC-12	6/12/2019	20	FALSE
GWC-12	12/10/2019	ND<20	FALSE
GWC-12	6/25/2020	ND<20	FALSE
GWC-12	12/22/2020	22.6	FALSE
GWC-12	6/16/2021	ND<20	FALSE
GWC-12	12/14/2021	ND<20	FALSE
GWC-12	6/8/2022	ND<20	FALSE

GWC-12A	12/8/2016	ND<20	FALSE
GWC-12A	6/15/2017	ND<20	FALSE
GWC-12A	12/14/2017	ND<20	FALSE
GWC-12A	6/20/2018	ND<20	FALSE
GWC-12A	12/20/2018	ND<20	FALSE
GWC-12A	6/12/2019	ND<20	FALSE
GWC-12A	12/10/2019	ND<20	FALSE
GWC-12A	6/25/2020	ND<20	FALSE
GWC-12A	12/16/2020	ND<20	FALSE
GWC-12A	6/16/2021	ND<20	FALSE
GWC-12A	12/14/2021	ND<20	FALSE
GWC-12A	6/8/2022	ND<20	FALSE

GWC-13	12/8/2016	ND<20	FALSE
GWC-13	6/15/2017	ND<20	FALSE
GWC-13	12/13/2017	ND<20	FALSE
GWC-13	6/20/2018	36	FALSE

Barium

GWC-13	12/20/2018	ND<20	FALSE
GWC-13	6/13/2019	ND<20	FALSE
GWC-13	12/12/2019	32.7	FALSE
GWC-13	6/24/2020	ND<20	FALSE
GWC-13	12/16/2020	ND<20	FALSE
GWC-13	6/16/2021	ND<20	FALSE
GWC-13	12/16/2021	ND<20	FALSE
GWC-13	6/9/2022	ND<20	FALSE

GWC-14A	12/8/2016	220	TRUE
GWC-14A	6/13/2017	210	TRUE
GWC-14A	12/13/2017	180	TRUE
GWC-14A	6/21/2018	190	TRUE
GWC-14A	12/19/2018	180	TRUE
GWC-14A	6/12/2019	170	TRUE
GWC-14A	12/11/2019	170	TRUE
GWC-14A	6/24/2020	171	TRUE
GWC-14A	12/16/2020	171	TRUE
GWC-14A	6/16/2021	173	TRUE
GWC-14A	12/15/2021	179	TRUE
GWC-14A	6/10/2022	167	TRUE

GWC-4	12/8/2016	25	FALSE
GWC-4	6/21/2018	20	FALSE
GWC-4	6/24/2020	25.6	FALSE
GWC-4	12/18/2020	31.5	FALSE
GWC-4	6/17/2021	24.5	FALSE
GWC-4	12/15/2021	21	FALSE
GWC-4	6/9/2022	ND<20	FALSE

GWC-4A	12/8/2016	59	TRUE
GWC-4A	6/14/2017	33	FALSE
GWC-4A	12/13/2017	81	TRUE
GWC-4A	6/21/2018	22	FALSE
GWC-4A	12/18/2018	25	FALSE
GWC-4A	6/12/2019	74	TRUE
GWC-4A	12/12/2019	ND<20	FALSE
GWC-4A	6/24/2020	29.9	FALSE
GWC-4A	12/18/2020	30.5	FALSE
GWC-4A	6/18/2021	35.7	FALSE
GWC-4A	12/16/2021	ND<20	FALSE
GWC-4A	6/8/2022	36.3	FALSE

GWA-3	12/9/2016	ND<20	FALSE
GWA-3	6/15/2017	ND<20	FALSE
GWA-3	12/12/2017	ND<20	FALSE
GWA-3	6/19/2018	ND<20	FALSE
GWA-3	12/18/2018	ND<20	FALSE
GWA-3	6/12/2019	ND<20	FALSE
GWA-3	12/11/2019	22.9	FALSE
GWA-3	6/23/2020	ND<20	FALSE
GWA-3	12/17/2020	ND<20	FALSE
GWA-3	6/15/2021	ND<20	FALSE

Barium

GWA-3	12/15/2021	ND<20	FALSE
GWA-3	6/7/2022	ND<20	FALSE
<hr/>			
GWC-10	12/9/2016	20	FALSE
GWC-10	6/16/2017	20	FALSE
GWC-10	12/13/2017	48	TRUE
GWC-10	6/20/2018	ND<20	FALSE
GWC-10	12/18/2018	ND<20	FALSE
GWC-10	6/11/2019	22	FALSE
GWC-10	12/13/2019	ND<20	FALSE
GWC-10	6/25/2020	ND<20	FALSE
GWC-10	12/16/2020	ND<20	FALSE
GWC-10	6/16/2021	ND<20	FALSE
GWC-10	12/16/2021	ND<20	FALSE
GWC-10	6/8/2022	ND<20	FALSE
<hr/>			
GWC-10A	12/9/2016	31	FALSE
GWC-10A	6/16/2017	31	FALSE
GWC-10A	12/13/2017	32	FALSE
GWC-10A	6/20/2018	34	FALSE
GWC-10A	12/18/2018	35	FALSE
GWC-10A	6/11/2019	33	FALSE
GWC-10A	12/13/2019	35.2	FALSE
GWC-10A	6/25/2020	29.6	FALSE
GWC-10A	12/16/2020	32.5	FALSE
GWC-10A	6/16/2021	31.5	FALSE
GWC-10A	12/16/2021	33.5	FALSE
GWC-10A	6/8/2022	31.8	FALSE
<hr/>			
GWC-2	12/9/2016	ND<20	FALSE
GWC-2	6/16/2017	ND<20	FALSE
GWC-2	12/14/2017	ND<20	FALSE
GWC-2	6/21/2018	ND<20	FALSE
GWC-2	12/20/2018	ND<20	FALSE
GWC-2	6/13/2019	ND<20	FALSE
GWC-2	12/11/2019	ND<20	FALSE
GWC-2	6/23/2020	27.5	FALSE
GWC-2	12/17/2020	ND<20	FALSE
GWC-2	6/16/2021	ND<20	FALSE
GWC-2	12/16/2021	ND<20	FALSE
GWC-2	6/8/2022	ND<20	FALSE
<hr/>			
GWC-3A	12/9/2016	43	TRUE
GWC-3A	6/16/2017	40	TRUE
GWC-3A	12/13/2017	38	FALSE
GWC-3A	6/21/2018	39	FALSE
GWC-3A	12/18/2018	38	FALSE
GWC-3A	6/12/2019	46	TRUE
GWC-3A	12/11/2019	40.7	TRUE
GWC-3A	6/25/2020	37.1	FALSE
GWC-3A	12/17/2020	31.6	FALSE
GWC-3A	6/15/2021	36.5	FALSE
GWC-3A	12/16/2021	32.8	FALSE

Barium

GWC-3A	6/8/2022	32.3	FALSE
<hr/>			
GWC-5	12/9/2016	ND<20	FALSE
GWC-5	6/13/2017	ND<20	FALSE
GWC-5	12/13/2017	ND<20	FALSE
GWC-5	6/21/2018	ND<20	FALSE
GWC-5	12/19/2018	ND<20	FALSE
GWC-5	6/13/2019	ND<20	FALSE
GWC-5	12/11/2019	ND<20	FALSE
GWC-5	6/24/2020	ND<20	FALSE
GWC-5	12/18/2020	ND<20	FALSE
GWC-5	6/16/2021	ND<20	FALSE
GWC-5	12/14/2021	ND<20	FALSE
GWC-5	6/9/2022	ND<20	FALSE
<hr/>			
GWC-6	12/9/2016	ND<20	FALSE
GWC-6	6/13/2017	ND<20	FALSE
GWC-6	12/14/2017	ND<20	FALSE
GWC-6	6/21/2018	37	FALSE
GWC-6	12/20/2018	ND<20	FALSE
GWC-6	6/13/2019	ND<20	FALSE
GWC-6	12/11/2019	ND<20	FALSE
GWC-6	6/25/2020	ND<20	FALSE
GWC-6	12/18/2020	ND<20	FALSE
GWC-6	6/16/2021	ND<20	FALSE
GWC-6	12/14/2021	ND<20	FALSE
GWC-6	6/9/2022	ND<20	FALSE
<hr/>			
GWC-7	12/9/2016	46	TRUE
GWC-7	6/13/2017	52	TRUE
GWC-7	12/13/2017	46	TRUE
GWC-7	6/20/2018	49	TRUE
GWC-7	12/19/2018	51	TRUE
GWC-7	6/13/2019	48	TRUE
GWC-7	12/12/2019	49.9	TRUE
GWC-7	6/25/2020	36.4	FALSE
GWC-7	12/18/2020	38.8	FALSE
GWC-7	6/16/2021	36.9	FALSE
GWC-7	12/14/2021	41.8	TRUE
GWC-7	6/9/2022	36.4	FALSE
<hr/>			
GWC-8	12/9/2016	22	FALSE
GWC-8	12/13/2017	23	FALSE
GWC-8	6/21/2018	ND<20	FALSE
GWC-8	6/13/2019	30	FALSE
GWC-8	12/12/2019	28.6	FALSE
GWC-8	6/24/2020	52.4	TRUE
GWC-8	12/17/2020	33	FALSE
GWC-8	6/17/2021	42.5	TRUE
GWC-8	12/16/2021	33.5	FALSE
GWC-8	6/10/2022	33.5	FALSE

Barium

GWC-8A	12/9/2016	55	TRUE
GWC-8A	6/14/2017	66	TRUE
GWC-8A	12/13/2017	42	TRUE
GWC-8A	6/21/2018	51	TRUE
GWC-8A	12/20/2018	55	TRUE
GWC-8A	6/13/2019	33	FALSE
GWC-8A	12/12/2019	56	TRUE
GWC-8A	6/24/2020	43.9	TRUE
GWC-8A	12/16/2020	46.8	TRUE
GWC-8A	6/17/2021	52.4	TRUE
GWC-8A	12/16/2021	49.7	TRUE
GWC-8A	6/10/2022	39.9	TRUE

GWC-9	12/9/2016	67	TRUE
GWC-9	6/16/2017	58	TRUE
GWC-9	12/14/2017	54	TRUE
GWC-9	6/21/2018	73	TRUE
GWC-9	12/19/2018	53	TRUE
GWC-9	6/13/2019	80	TRUE
GWC-9	12/13/2019	67.9	TRUE
GWC-9	6/25/2020	78.5	TRUE
GWC-9	12/18/2020	90	TRUE
GWC-9	6/16/2021	64.3	TRUE
GWC-9	12/14/2021	100	TRUE
GWC-9	6/8/2022	55.7	TRUE

GWC-17	6/15/2017	45	TRUE
GWC-17	12/13/2017	35	FALSE
GWC-17	6/20/2018	34	FALSE
GWC-17	12/20/2018	69	TRUE
GWC-17	6/13/2019	43	TRUE
GWC-17	12/11/2019	37.1	FALSE
GWC-17	6/24/2020	30.9	FALSE
GWC-17	12/16/2020	40.7	TRUE
GWC-17	6/15/2021	38.3	FALSE
GWC-17	12/15/2021	39.2	FALSE
GWC-17	6/10/2022	41.1	TRUE

GWC-24	6/15/2017	ND<20	FALSE
GWC-24	6/20/2018	ND<20	FALSE
GWC-24	6/12/2019	20	FALSE
GWC-24	12/10/2019	27.4	FALSE
GWC-24	6/25/2020	25.8	FALSE
GWC-24	6/15/2021	ND<20	FALSE
GWC-24	6/8/2022	ND<20	FALSE

GWC-14	6/21/2018	35	FALSE
GWC-14	6/12/2019	35	FALSE
GWC-14	12/11/2019	41.2	TRUE
GWC-14	6/25/2020	ND<20	FALSE
GWC-14	12/18/2020	72.2	TRUE
GWC-14	6/16/2021	24	FALSE
GWC-14	12/16/2021	47.3	TRUE

Barium

GWC-14	6/10/2022	20.8	FALSE
--------	-----------	------	-------

GWC-3	6/21/2018	ND<20	FALSE
GWC-3	12/18/2018	ND<20	FALSE
GWC-3	6/12/2019	ND<20	FALSE
GWC-3	12/11/2019	ND<20	FALSE
GWC-3	6/25/2020	ND<20	FALSE
GWC-3	12/17/2020	ND<20	FALSE
GWC-3	6/16/2021	ND<20	FALSE
GWC-3	12/16/2021	ND<20	FALSE
GWC-3	6/8/2022	ND<20	FALSE

GWC-14R	6/9/2022	94.1	TRUE
---------	----------	------	------

GWC-8R	6/9/2022	35.8	FALSE
--------	----------	------	-------

Non-Parametric Tolerance Interval

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 93.7158%

Background measurements (n) = 24

Maximum Background Concentration = 40

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWA-1A	12/7/2016	ND<40	FALSE
GWA-1A	6/12/2017	ND<40	FALSE
GWA-1A	12/13/2017	ND<40	FALSE
GWA-1A	6/20/2018	ND<40	FALSE
GWA-1A	12/18/2018	ND<40	FALSE
GWA-1A	6/10/2019	ND<40	FALSE
GWA-1A	12/9/2019	ND<40	FALSE
GWA-1A	6/23/2020	ND<40	FALSE
GWA-1A	12/17/2020	ND<40	FALSE
GWA-1A	6/17/2021	ND<40	FALSE
GWA-1A	12/16/2021	ND<40	FALSE
GWA-1A	6/8/2022	ND<40	FALSE

GWC-18	12/7/2016	ND<40	FALSE
GWC-18	6/15/2017	ND<40	FALSE
GWC-18	12/14/2017	ND<40	FALSE
GWC-18	6/20/2018	ND<40	FALSE
GWC-18	12/19/2018	ND<40	FALSE
GWC-18	6/12/2019	ND<40	FALSE
GWC-18	12/10/2019	ND<40	FALSE
GWC-18	6/24/2020	ND<40	FALSE
GWC-18	12/16/2020	ND<40	FALSE
GWC-18	6/15/2021	ND<40	FALSE
GWC-18	12/15/2021	ND<40	FALSE
GWC-18	6/8/2022	ND<50	TRUE

GWC-19R	12/7/2016	ND<40	FALSE
GWC-19R	6/15/2017	ND<40	FALSE
GWC-19R	12/14/2017	ND<40	FALSE
GWC-19R	6/20/2018	ND<40	FALSE
GWC-19R	12/19/2018	ND<40	FALSE
GWC-19R	6/12/2019	ND<40	FALSE
GWC-19R	12/10/2019	ND<40	FALSE
GWC-19R	6/24/2020	ND<40	FALSE
GWC-19R	12/16/2020	ND<40	FALSE
GWC-19R	6/15/2021	45.2	TRUE
GWC-19R	12/15/2021	40.4	TRUE
GWC-19R	6/7/2022	ND<50	TRUE

GWC-22	12/7/2016	ND<40	FALSE
GWC-22	6/15/2017	ND<40	FALSE

GWC-22	12/12/2017	ND<40	FALSE
GWC-22	6/20/2018	ND<40	FALSE
GWC-22	12/19/2018	ND<40	FALSE
GWC-22	6/13/2019	ND<40	FALSE
GWC-22	12/12/2019	ND<40	FALSE
GWC-22	6/24/2020	ND<40	FALSE
GWC-22	12/18/2020	ND<40	FALSE
GWC-22	6/15/2021	ND<40	FALSE
GWC-22	12/14/2021	ND<40	FALSE
GWC-22	6/7/2022	ND<40	FALSE

GWC-23	12/7/2016	ND<40	FALSE
GWC-23	6/15/2017	ND<40	FALSE
GWC-23	12/12/2017	ND<40	FALSE
GWC-23	6/19/2018	ND<40	FALSE
GWC-23	12/19/2018	ND<40	FALSE
GWC-23	6/13/2019	ND<40	FALSE
GWC-23	12/12/2019	ND<40	FALSE
GWC-23	6/24/2020	ND<40	FALSE
GWC-23	12/17/2020	ND<40	FALSE
GWC-23	6/15/2021	ND<40	FALSE
GWC-23	12/14/2021	ND<40	FALSE
GWC-23	6/7/2022	ND<40	FALSE

GWC-23A	12/7/2016	ND<40	FALSE
GWC-23A	6/15/2017	ND<40	FALSE
GWC-23A	12/12/2017	ND<40	FALSE
GWC-23A	6/19/2018	ND<40	FALSE
GWC-23A	12/19/2018	ND<40	FALSE
GWC-23A	6/13/2019	ND<40	FALSE
GWC-23A	12/12/2019	ND<40	FALSE
GWC-23A	6/24/2020	ND<40	FALSE
GWC-23A	12/17/2020	ND<40	FALSE
GWC-23A	6/15/2021	ND<40	FALSE
GWC-23A	12/14/2021	ND<40	FALSE
GWC-23A	6/7/2022	ND<40	FALSE

GWC-15	12/8/2016	ND<40	FALSE
GWC-15	6/14/2017	ND<40	FALSE
GWC-15	12/14/2017	ND<40	FALSE
GWC-15	6/20/2018	ND<40	FALSE
GWC-15	12/19/2018	ND<40	FALSE
GWC-15	6/11/2019	ND<40	FALSE
GWC-15	12/10/2019	ND<40	FALSE
GWC-15	6/25/2020	ND<40	FALSE
GWC-15	12/17/2020	ND<40	FALSE
GWC-15	6/16/2021	ND<40	FALSE
GWC-15	12/14/2021	ND<40	FALSE
GWC-15	6/9/2022	ND<40	FALSE

GWC-16A	12/8/2016	ND<40	FALSE
GWC-16A	6/15/2017	81	TRUE
GWC-16A	12/14/2017	ND<40	FALSE

Cobalt

GWC-16A	6/21/2018	ND<40	FALSE
GWC-16A	12/20/2018	ND<40	FALSE
GWC-16A	6/13/2019	ND<40	FALSE
GWC-16A	12/12/2019	ND<40	FALSE
GWC-16A	6/23/2020	ND<40	FALSE
GWC-16A	12/17/2020	ND<40	FALSE
GWC-16A	6/16/2021	ND<40	FALSE
GWC-16A	12/16/2021	ND<40	FALSE
GWC-16A	6/10/2022	ND<50	TRUE

GWC-11	12/8/2016	ND<40	FALSE
GWC-11	6/15/2017	ND<40	FALSE
GWC-11	12/14/2017	ND<40	FALSE
GWC-11	6/20/2018	ND<40	FALSE
GWC-11	12/20/2018	ND<40	FALSE
GWC-11	6/13/2019	ND<40	FALSE
GWC-11	12/13/2019	ND<40	FALSE
GWC-11	6/25/2020	ND<40	FALSE
GWC-11	12/16/2020	ND<40	FALSE
GWC-11	6/16/2021	ND<40	FALSE
GWC-11	12/14/2021	ND<40	FALSE
GWC-11	6/8/2022	ND<40	FALSE

GWC-12	12/8/2016	ND<40	FALSE
GWC-12	6/15/2017	ND<40	FALSE
GWC-12	12/14/2017	ND<40	FALSE
GWC-12	6/20/2018	ND<40	FALSE
GWC-12	12/20/2018	ND<40	FALSE
GWC-12	6/12/2019	ND<40	FALSE
GWC-12	12/10/2019	ND<40	FALSE
GWC-12	6/25/2020	ND<40	FALSE
GWC-12	12/22/2020	ND<40	FALSE
GWC-12	6/16/2021	ND<40	FALSE
GWC-12	12/14/2021	ND<40	FALSE
GWC-12	6/8/2022	ND<40	FALSE

GWC-12A	12/8/2016	ND<40	FALSE
GWC-12A	6/15/2017	ND<40	FALSE
GWC-12A	12/14/2017	ND<40	FALSE
GWC-12A	6/20/2018	ND<40	FALSE
GWC-12A	12/20/2018	ND<40	FALSE
GWC-12A	6/12/2019	ND<40	FALSE
GWC-12A	12/10/2019	ND<40	FALSE
GWC-12A	6/25/2020	ND<40	FALSE
GWC-12A	12/16/2020	ND<40	FALSE
GWC-12A	6/16/2021	ND<40	FALSE
GWC-12A	12/14/2021	ND<40	FALSE
GWC-12A	6/8/2022	ND<40	FALSE

GWC-13	12/8/2016	ND<40	FALSE
GWC-13	6/15/2017	ND<40	FALSE
GWC-13	12/13/2017	ND<40	FALSE
GWC-13	6/20/2018	ND<40	FALSE

Cobalt

GWC-13	12/20/2018	ND<40	FALSE
GWC-13	6/13/2019	ND<40	FALSE
GWC-13	12/12/2019	ND<40	FALSE
GWC-13	6/24/2020	ND<40	FALSE
GWC-13	12/16/2020	ND<40	FALSE
GWC-13	6/16/2021	ND<40	FALSE
GWC-13	12/16/2021	ND<40	FALSE
GWC-13	6/9/2022	ND<40	FALSE

GWC-14A	12/8/2016	380	TRUE
GWC-14A	6/13/2017	370	TRUE
GWC-14A	12/13/2017	280	TRUE
GWC-14A	6/21/2018	310	TRUE
GWC-14A	12/19/2018	290	TRUE
GWC-14A	6/12/2019	330	TRUE
GWC-14A	12/11/2019	228	TRUE
GWC-14A	6/24/2020	301	TRUE
GWC-14A	12/16/2020	298	TRUE
GWC-14A	6/16/2021	306	TRUE
GWC-14A	12/15/2021	192	TRUE
GWC-14A	6/10/2022	252	TRUE

GWC-4	12/8/2016	ND<40	FALSE
GWC-4	6/21/2018	ND<40	FALSE
GWC-4	6/24/2020	ND<40	FALSE
GWC-4	12/18/2020	ND<40	FALSE
GWC-4	6/17/2021	ND<40	FALSE
GWC-4	12/15/2021	ND<40	FALSE
GWC-4	6/9/2022	ND<40	FALSE

GWC-4A	12/8/2016	ND<40	FALSE
GWC-4A	6/14/2017	ND<40	FALSE
GWC-4A	12/13/2017	ND<40	FALSE
GWC-4A	6/21/2018	ND<40	FALSE
GWC-4A	12/18/2018	ND<40	FALSE
GWC-4A	6/12/2019	ND<40	FALSE
GWC-4A	12/12/2019	ND<40	FALSE
GWC-4A	6/24/2020	ND<40	FALSE
GWC-4A	12/18/2020	ND<40	FALSE
GWC-4A	6/18/2021	ND<40	FALSE
GWC-4A	12/16/2021	ND<40	FALSE
GWC-4A	6/8/2022	ND<40	FALSE

GWA-3	12/9/2016	ND<40	FALSE
GWA-3	6/15/2017	ND<40	FALSE
GWA-3	12/12/2017	ND<40	FALSE
GWA-3	6/19/2018	ND<40	FALSE
GWA-3	12/18/2018	ND<40	FALSE
GWA-3	6/12/2019	ND<40	FALSE
GWA-3	12/11/2019	ND<40	FALSE
GWA-3	6/23/2020	ND<40	FALSE
GWA-3	12/17/2020	ND<40	FALSE
GWA-3	6/15/2021	ND<40	FALSE

Cobalt

GWA-3	12/15/2021	ND<40	FALSE
GWA-3	6/7/2022	ND<40	FALSE
<hr/>			
GWC-10	12/9/2016	ND<40	FALSE
GWC-10	6/16/2017	ND<40	FALSE
GWC-10	12/13/2017	ND<40	FALSE
GWC-10	6/20/2018	ND<40	FALSE
GWC-10	12/18/2018	ND<40	FALSE
GWC-10	6/11/2019	ND<40	FALSE
GWC-10	12/13/2019	ND<40	FALSE
GWC-10	6/25/2020	ND<40	FALSE
GWC-10	12/16/2020	ND<40	FALSE
GWC-10	6/16/2021	ND<40	FALSE
GWC-10	12/16/2021	ND<40	FALSE
GWC-10	6/8/2022	ND<40	FALSE
<hr/>			
GWC-10A	12/9/2016	ND<40	FALSE
GWC-10A	6/16/2017	ND<40	FALSE
GWC-10A	12/13/2017	ND<40	FALSE
GWC-10A	6/20/2018	ND<40	FALSE
GWC-10A	12/18/2018	ND<40	FALSE
GWC-10A	6/11/2019	ND<40	FALSE
GWC-10A	12/13/2019	ND<40	FALSE
GWC-10A	6/25/2020	ND<40	FALSE
GWC-10A	12/16/2020	ND<40	FALSE
GWC-10A	6/16/2021	ND<40	FALSE
GWC-10A	12/16/2021	ND<40	FALSE
GWC-10A	6/8/2022	ND<40	FALSE
<hr/>			
GWC-2	12/9/2016	ND<40	FALSE
GWC-2	6/16/2017	ND<40	FALSE
GWC-2	12/14/2017	ND<40	FALSE
GWC-2	6/21/2018	ND<40	FALSE
GWC-2	12/20/2018	ND<40	FALSE
GWC-2	6/13/2019	ND<40	FALSE
GWC-2	12/11/2019	ND<40	FALSE
GWC-2	6/23/2020	ND<40	FALSE
GWC-2	12/17/2020	ND<40	FALSE
GWC-2	6/16/2021	ND<40	FALSE
GWC-2	12/16/2021	ND<40	FALSE
GWC-2	6/8/2022	ND<40	FALSE
<hr/>			
GWC-3A	12/9/2016	ND<40	FALSE
GWC-3A	6/16/2017	ND<40	FALSE
GWC-3A	12/13/2017	ND<40	FALSE
GWC-3A	6/21/2018	ND<40	FALSE
GWC-3A	12/18/2018	ND<40	FALSE
GWC-3A	6/12/2019	ND<40	FALSE
GWC-3A	12/11/2019	ND<40	FALSE
GWC-3A	6/25/2020	ND<40	FALSE
GWC-3A	12/17/2020	ND<40	FALSE
GWC-3A	6/15/2021	ND<40	FALSE
GWC-3A	12/16/2021	ND<40	FALSE

Cobalt

GWC-3A	6/8/2022	ND<40	FALSE
<hr/>			
GWC-5	12/9/2016	ND<40	FALSE
GWC-5	6/13/2017	ND<40	FALSE
GWC-5	12/13/2017	ND<40	FALSE
GWC-5	6/21/2018	ND<40	FALSE
GWC-5	12/19/2018	ND<40	FALSE
GWC-5	6/13/2019	ND<40	FALSE
GWC-5	12/11/2019	ND<40	FALSE
GWC-5	6/24/2020	ND<40	FALSE
GWC-5	12/18/2020	ND<40	FALSE
GWC-5	6/16/2021	ND<40	FALSE
GWC-5	12/14/2021	ND<40	FALSE
GWC-5	6/9/2022	ND<40	FALSE
<hr/>			
GWC-6	12/9/2016	ND<40	FALSE
GWC-6	6/13/2017	ND<40	FALSE
GWC-6	12/14/2017	ND<40	FALSE
GWC-6	6/21/2018	ND<40	FALSE
GWC-6	12/20/2018	ND<40	FALSE
GWC-6	6/13/2019	ND<40	FALSE
GWC-6	12/11/2019	ND<40	FALSE
GWC-6	6/25/2020	ND<40	FALSE
GWC-6	12/18/2020	ND<40	FALSE
GWC-6	6/16/2021	ND<40	FALSE
GWC-6	12/14/2021	ND<40	FALSE
GWC-6	6/9/2022	ND<40	FALSE
<hr/>			
GWC-7	12/9/2016	ND<40	FALSE
GWC-7	6/13/2017	ND<40	FALSE
GWC-7	12/13/2017	ND<40	FALSE
GWC-7	6/20/2018	ND<40	FALSE
GWC-7	12/19/2018	ND<40	FALSE
GWC-7	6/13/2019	ND<40	FALSE
GWC-7	12/12/2019	ND<40	FALSE
GWC-7	6/25/2020	ND<40	FALSE
GWC-7	12/18/2020	ND<40	FALSE
GWC-7	6/16/2021	ND<40	FALSE
GWC-7	12/14/2021	ND<40	FALSE
GWC-7	6/9/2022	ND<40	FALSE
<hr/>			
GWC-8	12/9/2016	ND<40	FALSE
GWC-8	12/13/2017	ND<40	FALSE
GWC-8	6/21/2018	ND<40	FALSE
GWC-8	6/13/2019	ND<40	FALSE
GWC-8	12/12/2019	ND<40	FALSE
GWC-8	6/24/2020	ND<40	FALSE
GWC-8	12/17/2020	ND<40	FALSE
GWC-8	6/17/2021	ND<40	FALSE
GWC-8	12/16/2021	ND<40	FALSE
GWC-8	6/10/2022	ND<40	FALSE

Cobalt

GWC-8A	12/9/2016	44	TRUE
GWC-8A	6/14/2017	ND<40	FALSE
GWC-8A	12/13/2017	ND<40	FALSE
GWC-8A	6/21/2018	ND<40	FALSE
GWC-8A	12/20/2018	ND<40	FALSE
GWC-8A	6/13/2019	ND<40	FALSE
GWC-8A	12/12/2019	ND<40	FALSE
GWC-8A	6/24/2020	ND<40	FALSE
GWC-8A	12/16/2020	ND<40	FALSE
GWC-8A	6/17/2021	ND<40	FALSE
GWC-8A	12/16/2021	ND<40	FALSE
GWC-8A	6/10/2022	ND<40	FALSE

GWC-9	12/9/2016	ND<40	FALSE
GWC-9	6/16/2017	ND<40	FALSE
GWC-9	12/14/2017	ND<40	FALSE
GWC-9	6/21/2018	ND<40	FALSE
GWC-9	12/19/2018	ND<40	FALSE
GWC-9	6/13/2019	ND<40	FALSE
GWC-9	12/13/2019	ND<40	FALSE
GWC-9	6/25/2020	ND<40	FALSE
GWC-9	12/18/2020	ND<40	FALSE
GWC-9	6/16/2021	ND<40	FALSE
GWC-9	12/14/2021	ND<40	FALSE
GWC-9	6/8/2022	ND<40	FALSE

GWC-17	6/15/2017	ND<40	FALSE
GWC-17	12/13/2017	ND<40	FALSE
GWC-17	6/20/2018	ND<40	FALSE
GWC-17	12/20/2018	ND<40	FALSE
GWC-17	6/13/2019	ND<40	FALSE
GWC-17	12/11/2019	ND<40	FALSE
GWC-17	6/24/2020	ND<40	FALSE
GWC-17	12/16/2020	ND<40	FALSE
GWC-17	6/15/2021	ND<40	FALSE
GWC-17	12/15/2021	ND<40	FALSE
GWC-17	6/10/2022	ND<50	TRUE

GWC-24	6/15/2017	ND<40	FALSE
GWC-24	6/20/2018	ND<40	FALSE
GWC-24	6/12/2019	ND<40	FALSE
GWC-24	12/10/2019	ND<40	FALSE
GWC-24	6/25/2020	ND<40	FALSE
GWC-24	6/15/2021	ND<40	FALSE
GWC-24	6/8/2022	ND<50	TRUE

GWC-14	6/21/2018	42	TRUE
GWC-14	6/12/2019	57	TRUE
GWC-14	12/11/2019	50.3	TRUE
GWC-14	6/25/2020	95.1	TRUE
GWC-14	12/18/2020	55.5	TRUE
GWC-14	6/16/2021	87.6	TRUE
GWC-14	12/16/2021	ND<40	FALSE

Cobalt

GWC-14	6/10/2022	85.5	TRUE
---------------	------------------	-------------	-------------

GWC-3	6/21/2018	ND<40	FALSE
GWC-3	12/18/2018	ND<40	FALSE
GWC-3	6/12/2019	ND<40	FALSE
GWC-3	12/11/2019	ND<40	FALSE
GWC-3	6/25/2020	ND<40	FALSE
GWC-3	12/17/2020	ND<40	FALSE
GWC-3	6/16/2021	ND<40	FALSE
GWC-3	12/16/2021	ND<40	FALSE
GWC-3	6/8/2022	ND<40	FALSE

GWC-14R	6/9/2022	ND<40	FALSE
---------	----------	-------	-------

GWC-8R	6/9/2022	ND<40	FALSE
--------	----------	-------	-------

Nickel

Non-Parametric Tolerance Interval

Parameter: Nickel

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 95.9016%

Background measurements (n) = 24

Maximum Background Concentration = 20

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWA-1A	12/7/2016	ND<20	FALSE
GWA-1A	6/12/2017	ND<20	FALSE
GWA-1A	12/13/2017	ND<20	FALSE
GWA-1A	6/20/2018	ND<20	FALSE
GWA-1A	12/18/2018	ND<20	FALSE
GWA-1A	6/10/2019	ND<20	FALSE
GWA-1A	12/9/2019	ND<20	FALSE
GWA-1A	6/23/2020	ND<20	FALSE
GWA-1A	12/17/2020	ND<20	FALSE
GWA-1A	6/17/2021	ND<20	FALSE
GWA-1A	12/16/2021	ND<20	FALSE
GWA-1A	6/8/2022	ND<20	FALSE

GWC-18	12/7/2016	64	TRUE
GWC-18	6/15/2017	34	TRUE
GWC-18	12/14/2017	ND<20	FALSE
GWC-18	6/20/2018	ND<20	FALSE
GWC-18	12/19/2018	ND<20	FALSE
GWC-18	6/12/2019	24	TRUE
GWC-18	12/10/2019	29.8	TRUE
GWC-18	6/24/2020	ND<20	FALSE
GWC-18	12/16/2020	ND<20	FALSE
GWC-18	6/15/2021	ND<20	FALSE
GWC-18	12/15/2021	33.7	TRUE
GWC-18	6/8/2022	ND<40	TRUE

GWC-19R	12/7/2016	ND<20	FALSE
GWC-19R	6/15/2017	ND<20	FALSE
GWC-19R	12/14/2017	ND<20	FALSE
GWC-19R	6/20/2018	ND<20	FALSE
GWC-19R	12/19/2018	ND<20	FALSE
GWC-19R	6/12/2019	ND<20	FALSE
GWC-19R	12/10/2019	ND<20	FALSE
GWC-19R	6/24/2020	ND<20	FALSE
GWC-19R	12/16/2020	ND<20	FALSE
GWC-19R	6/15/2021	ND<20	FALSE
GWC-19R	12/15/2021	ND<20	FALSE
GWC-19R	6/7/2022	ND<40	TRUE

GWC-22	12/7/2016	ND<20	FALSE
GWC-22	6/15/2017	ND<20	FALSE

Nickel

GWC-22	12/12/2017	ND<20	FALSE
GWC-22	6/20/2018	ND<20	FALSE
GWC-22	12/19/2018	ND<20	FALSE
GWC-22	6/13/2019	ND<20	FALSE
GWC-22	12/12/2019	ND<20	FALSE
GWC-22	6/24/2020	ND<20	FALSE
GWC-22	12/18/2020	ND<20	FALSE
GWC-22	6/15/2021	ND<20	FALSE
GWC-22	12/14/2021	ND<20	FALSE
GWC-22	6/7/2022	ND<20	FALSE

GWC-23	12/7/2016	ND<20	FALSE
GWC-23	6/15/2017	ND<20	FALSE
GWC-23	12/12/2017	ND<20	FALSE
GWC-23	6/19/2018	ND<20	FALSE
GWC-23	12/19/2018	ND<20	FALSE
GWC-23	6/13/2019	ND<20	FALSE
GWC-23	12/12/2019	ND<20	FALSE
GWC-23	6/24/2020	ND<20	FALSE
GWC-23	12/17/2020	ND<20	FALSE
GWC-23	6/15/2021	ND<20	FALSE
GWC-23	12/14/2021	ND<20	FALSE
GWC-23	6/7/2022	ND<20	FALSE

GWC-23A	12/7/2016	ND<20	FALSE
GWC-23A	6/15/2017	ND<20	FALSE
GWC-23A	12/12/2017	ND<20	FALSE
GWC-23A	6/19/2018	ND<20	FALSE
GWC-23A	12/19/2018	ND<20	FALSE
GWC-23A	6/13/2019	ND<20	FALSE
GWC-23A	12/12/2019	ND<20	FALSE
GWC-23A	6/24/2020	ND<20	FALSE
GWC-23A	12/17/2020	ND<20	FALSE
GWC-23A	6/15/2021	ND<20	FALSE
GWC-23A	12/14/2021	ND<20	FALSE
GWC-23A	6/7/2022	ND<20	FALSE

GWC-15	12/8/2016	ND<20	FALSE
GWC-15	6/14/2017	ND<20	FALSE
GWC-15	12/14/2017	ND<20	FALSE
GWC-15	6/20/2018	ND<20	FALSE
GWC-15	12/19/2018	ND<20	FALSE
GWC-15	6/11/2019	ND<20	FALSE
GWC-15	12/10/2019	ND<20	FALSE
GWC-15	6/25/2020	ND<20	FALSE
GWC-15	12/17/2020	ND<20	FALSE
GWC-15	6/16/2021	ND<20	FALSE
GWC-15	12/14/2021	ND<20	FALSE
GWC-15	6/9/2022	ND<20	FALSE

GWC-16A	12/8/2016	ND<20	FALSE
GWC-16A	6/15/2017	ND<20	FALSE
GWC-16A	12/14/2017	ND<20	FALSE

Nickel

GWC-16A	6/21/2018	ND<20	FALSE
GWC-16A	12/20/2018	ND<20	FALSE
GWC-16A	6/13/2019	ND<20	FALSE
GWC-16A	12/12/2019	ND<20	FALSE
GWC-16A	6/23/2020	ND<20	FALSE
GWC-16A	12/17/2020	ND<20	FALSE
GWC-16A	6/16/2021	ND<20	FALSE
GWC-16A	12/16/2021	ND<20	FALSE
GWC-16A	6/10/2022	ND<40	TRUE

GWC-11	12/8/2016	ND<20	FALSE
GWC-11	6/15/2017	ND<20	FALSE
GWC-11	12/14/2017	ND<20	FALSE
GWC-11	6/20/2018	ND<20	FALSE
GWC-11	12/20/2018	ND<20	FALSE
GWC-11	6/13/2019	ND<20	FALSE
GWC-11	12/13/2019	ND<20	FALSE
GWC-11	6/25/2020	ND<20	FALSE
GWC-11	12/16/2020	ND<20	FALSE
GWC-11	6/16/2021	ND<20	FALSE
GWC-11	12/14/2021	ND<20	FALSE
GWC-11	6/8/2022	ND<20	FALSE

GWC-12	12/8/2016	ND<20	FALSE
GWC-12	6/15/2017	ND<20	FALSE
GWC-12	12/14/2017	ND<20	FALSE
GWC-12	6/20/2018	ND<20	FALSE
GWC-12	12/20/2018	ND<20	FALSE
GWC-12	6/12/2019	ND<20	FALSE
GWC-12	12/10/2019	ND<20	FALSE
GWC-12	6/25/2020	ND<20	FALSE
GWC-12	12/22/2020	ND<20	FALSE
GWC-12	6/16/2021	ND<20	FALSE
GWC-12	12/14/2021	ND<20	FALSE
GWC-12	6/8/2022	ND<20	FALSE

GWC-12A	12/8/2016	ND<20	FALSE
GWC-12A	6/15/2017	ND<20	FALSE
GWC-12A	12/14/2017	ND<20	FALSE
GWC-12A	6/20/2018	ND<20	FALSE
GWC-12A	12/20/2018	ND<20	FALSE
GWC-12A	6/12/2019	ND<20	FALSE
GWC-12A	12/10/2019	ND<20	FALSE
GWC-12A	6/25/2020	ND<20	FALSE
GWC-12A	12/16/2020	ND<20	FALSE
GWC-12A	6/16/2021	ND<20	FALSE
GWC-12A	12/14/2021	ND<20	FALSE
GWC-12A	6/8/2022	ND<20	FALSE

GWC-13	12/8/2016	ND<20	FALSE
GWC-13	6/15/2017	ND<20	FALSE
GWC-13	12/13/2017	ND<20	FALSE
GWC-13	6/20/2018	ND<20	FALSE

Nickel

GWC-13	12/20/2018	ND<20	FALSE
GWC-13	6/13/2019	ND<20	FALSE
GWC-13	12/12/2019	ND<20	FALSE
GWC-13	6/24/2020	ND<20	FALSE
GWC-13	12/16/2020	ND<20	FALSE
GWC-13	6/16/2021	ND<20	FALSE
GWC-13	12/16/2021	ND<20	FALSE
GWC-13	6/9/2022	ND<20	FALSE

GWC-14A	12/8/2016	27	TRUE
GWC-14A	6/13/2017	24	TRUE
GWC-14A	12/13/2017	21	TRUE
GWC-14A	6/21/2018	24	TRUE
GWC-14A	12/19/2018	20	FALSE
GWC-14A	6/12/2019	21	TRUE
GWC-14A	12/11/2019	ND<20	FALSE
GWC-14A	6/24/2020	22.2	TRUE
GWC-14A	12/16/2020	23.6	TRUE
GWC-14A	6/16/2021	22.2	TRUE
GWC-14A	12/15/2021	ND<20	FALSE
GWC-14A	6/10/2022	ND<20	FALSE

GWC-4	12/8/2016	ND<20	FALSE
GWC-4	6/21/2018	ND<20	FALSE
GWC-4	6/24/2020	ND<20	FALSE
GWC-4	12/18/2020	ND<20	FALSE
GWC-4	6/17/2021	ND<20	FALSE
GWC-4	12/15/2021	ND<20	FALSE
GWC-4	6/9/2022	ND<20	FALSE

GWC-4A	12/8/2016	ND<20	FALSE
GWC-4A	6/14/2017	ND<20	FALSE
GWC-4A	12/13/2017	ND<20	FALSE
GWC-4A	6/21/2018	ND<20	FALSE
GWC-4A	12/18/2018	ND<20	FALSE
GWC-4A	6/12/2019	22	TRUE
GWC-4A	12/12/2019	ND<20	FALSE
GWC-4A	6/24/2020	ND<20	FALSE
GWC-4A	12/18/2020	ND<20	FALSE
GWC-4A	6/18/2021	ND<20	FALSE
GWC-4A	12/16/2021	ND<20	FALSE
GWC-4A	6/8/2022	ND<20	FALSE

GWA-3	12/9/2016	ND<20	FALSE
GWA-3	6/15/2017	ND<20	FALSE
GWA-3	12/12/2017	ND<20	FALSE
GWA-3	6/19/2018	ND<20	FALSE
GWA-3	12/18/2018	ND<20	FALSE
GWA-3	6/12/2019	ND<20	FALSE
GWA-3	12/11/2019	ND<20	FALSE
GWA-3	6/23/2020	ND<20	FALSE
GWA-3	12/17/2020	ND<20	FALSE
GWA-3	6/15/2021	ND<20	FALSE

Nickel

GWA-3	12/15/2021	ND<20	FALSE
GWA-3	6/7/2022	ND<20	FALSE
<hr/>			
GWC-10	12/9/2016	ND<20	FALSE
GWC-10	6/16/2017	ND<20	FALSE
GWC-10	12/13/2017	ND<20	FALSE
GWC-10	6/20/2018	ND<20	FALSE
GWC-10	12/18/2018	ND<20	FALSE
GWC-10	6/11/2019	ND<20	FALSE
GWC-10	12/13/2019	ND<20	FALSE
GWC-10	6/25/2020	ND<20	FALSE
GWC-10	12/16/2020	ND<20	FALSE
GWC-10	6/16/2021	ND<20	FALSE
GWC-10	12/16/2021	ND<20	FALSE
GWC-10	6/8/2022	ND<20	FALSE
<hr/>			
GWC-10A	12/9/2016	ND<20	FALSE
GWC-10A	6/16/2017	ND<20	FALSE
GWC-10A	12/13/2017	ND<20	FALSE
GWC-10A	6/20/2018	ND<20	FALSE
GWC-10A	12/18/2018	ND<20	FALSE
GWC-10A	6/11/2019	ND<20	FALSE
GWC-10A	12/13/2019	ND<20	FALSE
GWC-10A	6/25/2020	ND<20	FALSE
GWC-10A	12/16/2020	ND<20	FALSE
GWC-10A	6/16/2021	ND<20	FALSE
GWC-10A	12/16/2021	ND<20	FALSE
GWC-10A	6/8/2022	ND<20	FALSE
<hr/>			
GWC-2	12/9/2016	ND<20	FALSE
GWC-2	6/16/2017	ND<20	FALSE
GWC-2	12/14/2017	ND<20	FALSE
GWC-2	6/21/2018	ND<20	FALSE
GWC-2	12/20/2018	ND<20	FALSE
GWC-2	6/13/2019	ND<20	FALSE
GWC-2	12/11/2019	ND<20	FALSE
GWC-2	6/23/2020	ND<20	FALSE
GWC-2	12/17/2020	ND<20	FALSE
GWC-2	6/16/2021	ND<20	FALSE
GWC-2	12/16/2021	ND<20	FALSE
GWC-2	6/8/2022	ND<20	FALSE
<hr/>			
GWC-3A	12/9/2016	ND<20	FALSE
GWC-3A	6/16/2017	ND<20	FALSE
GWC-3A	12/13/2017	ND<20	FALSE
GWC-3A	6/21/2018	ND<20	FALSE
GWC-3A	12/18/2018	ND<20	FALSE
GWC-3A	6/12/2019	ND<20	FALSE
GWC-3A	12/11/2019	ND<20	FALSE
GWC-3A	6/25/2020	ND<20	FALSE
GWC-3A	12/17/2020	ND<20	FALSE
GWC-3A	6/15/2021	ND<20	FALSE
GWC-3A	12/16/2021	ND<20	FALSE

Nickel

GWC-3A	6/8/2022	ND<20	FALSE
<hr/>			
GWC-5	12/9/2016	ND<20	FALSE
GWC-5	6/13/2017	ND<20	FALSE
GWC-5	12/13/2017	ND<20	FALSE
GWC-5	6/21/2018	ND<20	FALSE
GWC-5	12/19/2018	ND<20	FALSE
GWC-5	6/13/2019	ND<20	FALSE
GWC-5	12/11/2019	ND<20	FALSE
GWC-5	6/24/2020	ND<20	FALSE
GWC-5	12/18/2020	ND<20	FALSE
GWC-5	6/16/2021	ND<20	FALSE
GWC-5	12/14/2021	ND<20	FALSE
GWC-5	6/9/2022	ND<20	FALSE
<hr/>			
GWC-6	12/9/2016	ND<20	FALSE
GWC-6	6/13/2017	ND<20	FALSE
GWC-6	12/14/2017	ND<20	FALSE
GWC-6	6/21/2018	ND<20	FALSE
GWC-6	12/20/2018	ND<20	FALSE
GWC-6	6/13/2019	ND<20	FALSE
GWC-6	12/11/2019	ND<20	FALSE
GWC-6	6/25/2020	ND<20	FALSE
GWC-6	12/18/2020	ND<20	FALSE
GWC-6	6/16/2021	ND<20	FALSE
GWC-6	12/14/2021	ND<20	FALSE
GWC-6	6/9/2022	ND<20	FALSE
<hr/>			
GWC-7	12/9/2016	ND<20	FALSE
GWC-7	6/13/2017	ND<20	FALSE
GWC-7	12/13/2017	ND<20	FALSE
GWC-7	6/20/2018	ND<20	FALSE
GWC-7	12/19/2018	ND<20	FALSE
GWC-7	6/13/2019	ND<20	FALSE
GWC-7	12/12/2019	ND<20	FALSE
GWC-7	6/25/2020	ND<20	FALSE
GWC-7	12/18/2020	ND<20	FALSE
GWC-7	6/16/2021	ND<20	FALSE
GWC-7	12/14/2021	ND<20	FALSE
GWC-7	6/9/2022	ND<20	FALSE
<hr/>			
GWC-8	12/9/2016	ND<20	FALSE
GWC-8	12/13/2017	ND<20	FALSE
GWC-8	6/21/2018	ND<20	FALSE
GWC-8	6/13/2019	ND<20	FALSE
GWC-8	12/12/2019	ND<20	FALSE
GWC-8	6/24/2020	ND<20	FALSE
GWC-8	12/17/2020	ND<20	FALSE
GWC-8	6/17/2021	ND<20	FALSE
GWC-8	12/16/2021	ND<20	FALSE
GWC-8	6/10/2022	ND<20	FALSE

Nickel

GWC-8A	12/9/2016	ND<20	FALSE
GWC-8A	6/14/2017	ND<20	FALSE
GWC-8A	12/13/2017	ND<20	FALSE
GWC-8A	6/21/2018	ND<20	FALSE
GWC-8A	12/20/2018	ND<20	FALSE
GWC-8A	6/13/2019	ND<20	FALSE
GWC-8A	12/12/2019	ND<20	FALSE
GWC-8A	6/24/2020	ND<20	FALSE
GWC-8A	12/16/2020	ND<20	FALSE
GWC-8A	6/17/2021	ND<20	FALSE
GWC-8A	12/16/2021	ND<20	FALSE
GWC-8A	6/10/2022	ND<20	FALSE

GWC-9	12/9/2016	ND<20	FALSE
GWC-9	6/16/2017	ND<20	FALSE
GWC-9	12/14/2017	ND<20	FALSE
GWC-9	6/21/2018	ND<20	FALSE
GWC-9	12/19/2018	ND<20	FALSE
GWC-9	6/13/2019	ND<20	FALSE
GWC-9	12/13/2019	ND<20	FALSE
GWC-9	6/25/2020	ND<20	FALSE
GWC-9	12/18/2020	ND<20	FALSE
GWC-9	6/16/2021	ND<20	FALSE
GWC-9	12/14/2021	ND<20	FALSE
GWC-9	6/8/2022	ND<20	FALSE

GWC-17	6/15/2017	ND<20	FALSE
GWC-17	12/13/2017	ND<20	FALSE
GWC-17	6/20/2018	ND<20	FALSE
GWC-17	12/20/2018	ND<20	FALSE
GWC-17	6/13/2019	ND<20	FALSE
GWC-17	12/11/2019	ND<20	FALSE
GWC-17	6/24/2020	ND<20	FALSE
GWC-17	12/16/2020	ND<20	FALSE
GWC-17	6/15/2021	ND<20	FALSE
GWC-17	12/15/2021	ND<20	FALSE
GWC-17	6/10/2022	ND<40	TRUE

GWC-24	6/15/2017	ND<20	FALSE
GWC-24	6/20/2018	ND<20	FALSE
GWC-24	6/12/2019	ND<20	FALSE
GWC-24	12/10/2019	ND<20	FALSE
GWC-24	6/25/2020	ND<20	FALSE
GWC-24	6/15/2021	ND<20	FALSE
GWC-24	6/8/2022	ND<40	TRUE

GWC-14	6/21/2018	ND<20	FALSE
GWC-14	6/12/2019	ND<20	FALSE
GWC-14	12/11/2019	ND<20	FALSE
GWC-14	6/25/2020	ND<20	FALSE
GWC-14	12/18/2020	ND<20	FALSE
GWC-14	6/16/2021	ND<20	FALSE
GWC-14	12/16/2021	ND<20	FALSE

Nickel

GWC-14	6/10/2022	ND<20	FALSE
--------	-----------	-------	-------

GWC-3	6/21/2018	ND<20	FALSE
GWC-3	12/18/2018	ND<20	FALSE
GWC-3	6/12/2019	ND<20	FALSE
GWC-3	12/11/2019	ND<20	FALSE
GWC-3	6/25/2020	ND<20	FALSE
GWC-3	12/17/2020	ND<20	FALSE
GWC-3	6/16/2021	ND<20	FALSE
GWC-3	12/16/2021	ND<20	FALSE
GWC-3	6/8/2022	ND<20	FALSE

GWC-14R	6/9/2022	ND<20	FALSE
---------	----------	-------	-------

GWC-8R	6/9/2022	ND<20	FALSE
--------	----------	-------	-------

Non-Parametric Tolerance Interval

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 71.8579%

Background measurements (n) = 24

Maximum Background Concentration = 48

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWA-1A	12/7/2016	ND<20	FALSE
GWA-1A	6/12/2017	ND<20	FALSE
GWA-1A	12/13/2017	24	FALSE
GWA-1A	6/20/2018	ND<20	FALSE
GWA-1A	12/18/2018	ND<20	FALSE
GWA-1A	6/10/2019	ND<20	FALSE
GWA-1A	12/9/2019	ND<20	FALSE
GWA-1A	6/23/2020	ND<20	FALSE
GWA-1A	12/17/2020	ND<20	FALSE
GWA-1A	6/17/2021	ND<20	FALSE
GWA-1A	12/16/2021	ND<20	FALSE
GWA-1A	6/8/2022	ND<20	FALSE

GWC-18	12/7/2016	49	TRUE
GWC-18	6/15/2017	21	FALSE
GWC-18	12/14/2017	29	FALSE
GWC-18	6/20/2018	ND<20	FALSE
GWC-18	12/19/2018	26	FALSE
GWC-18	6/12/2019	ND<20	FALSE
GWC-18	12/10/2019	38.7	FALSE
GWC-18	6/24/2020	ND<20	FALSE
GWC-18	12/16/2020	ND<20	FALSE
GWC-18	6/15/2021	ND<20	FALSE
GWC-18	12/15/2021	ND<20	FALSE
GWC-18	6/8/2022	ND<20	FALSE

GWC-19R	12/7/2016	ND<20	FALSE
GWC-19R	6/15/2017	ND<20	FALSE
GWC-19R	12/14/2017	ND<20	FALSE
GWC-19R	6/20/2018	21	FALSE
GWC-19R	12/19/2018	ND<20	FALSE
GWC-19R	6/12/2019	ND<20	FALSE
GWC-19R	12/10/2019	ND<20	FALSE
GWC-19R	6/24/2020	ND<20	FALSE
GWC-19R	12/16/2020	ND<20	FALSE
GWC-19R	6/15/2021	ND<20	FALSE
GWC-19R	12/15/2021	ND<20	FALSE
GWC-19R	6/7/2022	ND<20	FALSE

GWC-22	12/7/2016	ND<20	FALSE
GWC-22	6/15/2017	ND<20	FALSE

GWC-22	12/12/2017	ND<20	FALSE
GWC-22	6/20/2018	21	FALSE
GWC-22	12/19/2018	ND<20	FALSE
GWC-22	6/13/2019	ND<20	FALSE
GWC-22	12/12/2019	ND<20	FALSE
GWC-22	6/24/2020	ND<20	FALSE
GWC-22	12/18/2020	ND<20	FALSE
GWC-22	6/15/2021	ND<20	FALSE
GWC-22	12/14/2021	ND<20	FALSE
GWC-22	6/7/2022	ND<20	FALSE

GWC-23	12/7/2016	ND<20	FALSE
GWC-23	6/15/2017	ND<20	FALSE
GWC-23	12/12/2017	ND<20	FALSE
GWC-23	6/19/2018	ND<20	FALSE
GWC-23	12/19/2018	ND<20	FALSE
GWC-23	6/13/2019	ND<20	FALSE
GWC-23	12/12/2019	ND<20	FALSE
GWC-23	6/24/2020	ND<20	FALSE
GWC-23	12/17/2020	ND<20	FALSE
GWC-23	6/15/2021	ND<20	FALSE
GWC-23	12/14/2021	ND<20	FALSE
GWC-23	6/7/2022	ND<20	FALSE

GWC-23A	12/7/2016	ND<20	FALSE
GWC-23A	6/15/2017	ND<20	FALSE
GWC-23A	12/12/2017	ND<20	FALSE
GWC-23A	6/19/2018	ND<20	FALSE
GWC-23A	12/19/2018	ND<20	FALSE
GWC-23A	6/13/2019	ND<20	FALSE
GWC-23A	12/12/2019	31.6	FALSE
GWC-23A	6/24/2020	ND<20	FALSE
GWC-23A	12/17/2020	ND<20	FALSE
GWC-23A	6/15/2021	ND<20	FALSE
GWC-23A	12/14/2021	ND<20	FALSE
GWC-23A	6/7/2022	ND<20	FALSE

GWC-15	12/8/2016	ND<20	FALSE
GWC-15	6/14/2017	90	TRUE
GWC-15	12/14/2017	60	TRUE
GWC-15	6/20/2018	56	TRUE
GWC-15	12/19/2018	ND<20	FALSE
GWC-15	6/11/2019	ND<20	FALSE
GWC-15	12/10/2019	ND<20	FALSE
GWC-15	6/25/2020	ND<20	FALSE
GWC-15	12/17/2020	ND<20	FALSE
GWC-15	6/16/2021	ND<20	FALSE
GWC-15	12/14/2021	ND<20	FALSE
GWC-15	6/9/2022	24.9	FALSE

GWC-16A	12/8/2016	ND<20	FALSE
GWC-16A	6/15/2017	79	TRUE
GWC-16A	12/14/2017	ND<20	FALSE

Zinc

GWC-16A	6/21/2018	44	FALSE
GWC-16A	12/20/2018	ND<20	FALSE
GWC-16A	6/13/2019	ND<20	FALSE
GWC-16A	12/12/2019	ND<20	FALSE
GWC-16A	6/23/2020	ND<20	FALSE
GWC-16A	12/17/2020	ND<20	FALSE
GWC-16A	6/16/2021	ND<20	FALSE
GWC-16A	12/16/2021	ND<20	FALSE
GWC-16A	6/10/2022	34.1	FALSE

GWC-11	12/8/2016	ND<20	FALSE
GWC-11	6/15/2017	ND<20	FALSE
GWC-11	12/14/2017	ND<20	FALSE
GWC-11	6/20/2018	26	FALSE
GWC-11	12/20/2018	ND<20	FALSE
GWC-11	6/13/2019	34	FALSE
GWC-11	12/13/2019	23.3	FALSE
GWC-11	6/25/2020	40	FALSE
GWC-11	12/16/2020	ND<20	FALSE
GWC-11	6/16/2021	ND<20	FALSE
GWC-11	12/14/2021	ND<20	FALSE
GWC-11	6/8/2022	ND<20	FALSE

GWC-12	12/8/2016	ND<20	FALSE
GWC-12	6/15/2017	ND<20	FALSE
GWC-12	12/14/2017	ND<20	FALSE
GWC-12	6/20/2018	ND<20	FALSE
GWC-12	12/20/2018	ND<20	FALSE
GWC-12	6/12/2019	ND<20	FALSE
GWC-12	12/10/2019	ND<20	FALSE
GWC-12	6/25/2020	ND<20	FALSE
GWC-12	12/22/2020	ND<20	FALSE
GWC-12	6/16/2021	ND<20	FALSE
GWC-12	12/14/2021	ND<20	FALSE
GWC-12	6/8/2022	ND<20	FALSE

GWC-12A	12/8/2016	20	FALSE
GWC-12A	6/15/2017	ND<20	FALSE
GWC-12A	12/14/2017	ND<20	FALSE
GWC-12A	6/20/2018	26	FALSE
GWC-12A	12/20/2018	ND<20	FALSE
GWC-12A	6/12/2019	ND<20	FALSE
GWC-12A	12/10/2019	ND<20	FALSE
GWC-12A	6/25/2020	ND<20	FALSE
GWC-12A	12/16/2020	ND<20	FALSE
GWC-12A	6/16/2021	ND<20	FALSE
GWC-12A	12/14/2021	ND<20	FALSE
GWC-12A	6/8/2022	ND<20	FALSE

GWC-13	12/8/2016	ND<20	FALSE
GWC-13	6/15/2017	ND<20	FALSE
GWC-13	12/13/2017	ND<20	FALSE
GWC-13	6/20/2018	ND<20	FALSE

Zinc

GWC-13	12/20/2018	ND<20	FALSE
GWC-13	6/13/2019	ND<20	FALSE
GWC-13	12/12/2019	23.6	FALSE
GWC-13	6/24/2020	ND<20	FALSE
GWC-13	12/16/2020	ND<20	FALSE
GWC-13	6/16/2021	ND<20	FALSE
GWC-13	12/16/2021	ND<20	FALSE
GWC-13	6/9/2022	ND<20	FALSE

GWC-14A	12/8/2016	ND<20	FALSE
GWC-14A	6/13/2017	ND<20	FALSE
GWC-14A	12/13/2017	ND<20	FALSE
GWC-14A	6/21/2018	20	FALSE
GWC-14A	12/19/2018	ND<20	FALSE
GWC-14A	6/12/2019	ND<20	FALSE
GWC-14A	12/11/2019	ND<20	FALSE
GWC-14A	6/24/2020	ND<20	FALSE
GWC-14A	12/16/2020	ND<20	FALSE
GWC-14A	6/16/2021	ND<20	FALSE
GWC-14A	12/15/2021	26	FALSE
GWC-14A	6/10/2022	ND<20	FALSE

GWC-4	12/8/2016	ND<20	FALSE
GWC-4	6/21/2018	25	FALSE
GWC-4	6/24/2020	ND<20	FALSE
GWC-4	12/18/2020	ND<20	FALSE
GWC-4	6/17/2021	43.2	FALSE
GWC-4	12/15/2021	ND<20	FALSE
GWC-4	6/9/2022	39.4	FALSE

GWC-4A	12/8/2016	ND<20	FALSE
GWC-4A	6/14/2017	ND<20	FALSE
GWC-4A	12/13/2017	25	FALSE
GWC-4A	6/21/2018	ND<20	FALSE
GWC-4A	12/18/2018	ND<20	FALSE
GWC-4A	6/12/2019	23	FALSE
GWC-4A	12/12/2019	50	TRUE
GWC-4A	6/24/2020	ND<20	FALSE
GWC-4A	12/18/2020	ND<20	FALSE
GWC-4A	6/18/2021	ND<20	FALSE
GWC-4A	12/16/2021	ND<20	FALSE
GWC-4A	6/8/2022	24.5	FALSE

GWA-3	12/9/2016	ND<20	FALSE
GWA-3	6/15/2017	ND<20	FALSE
GWA-3	12/12/2017	ND<20	FALSE
GWA-3	6/19/2018	41	FALSE
GWA-3	12/18/2018	ND<20	FALSE
GWA-3	6/12/2019	ND<20	FALSE
GWA-3	12/11/2019	71.5	TRUE
GWA-3	6/23/2020	20.3	FALSE
GWA-3	12/17/2020	ND<20	FALSE
GWA-3	6/15/2021	ND<20	FALSE

Zinc

GWA-3	12/15/2021	ND<20	FALSE
GWA-3	6/7/2022	ND<20	FALSE
<hr/>			
GWC-10	12/9/2016	23	FALSE
GWC-10	6/16/2017	ND<20	FALSE
GWC-10	12/13/2017	28	FALSE
GWC-10	6/20/2018	41	FALSE
GWC-10	12/18/2018	22	FALSE
GWC-10	6/11/2019	24	FALSE
GWC-10	12/13/2019	86.4	TRUE
GWC-10	6/25/2020	27.9	FALSE
GWC-10	12/16/2020	ND<20	FALSE
GWC-10	6/16/2021	ND<20	FALSE
GWC-10	12/16/2021	ND<20	FALSE
GWC-10	6/8/2022	ND<20	FALSE
<hr/>			
GWC-10A	12/9/2016	ND<20	FALSE
GWC-10A	6/16/2017	ND<20	FALSE
GWC-10A	12/13/2017	ND<20	FALSE
GWC-10A	6/20/2018	ND<20	FALSE
GWC-10A	12/18/2018	38	FALSE
GWC-10A	6/11/2019	ND<20	FALSE
GWC-10A	12/13/2019	31.2	FALSE
GWC-10A	6/25/2020	ND<20	FALSE
GWC-10A	12/16/2020	ND<20	FALSE
GWC-10A	6/16/2021	ND<20	FALSE
GWC-10A	12/16/2021	ND<20	FALSE
GWC-10A	6/8/2022	ND<20	FALSE
<hr/>			
GWC-2	12/9/2016	ND<20	FALSE
GWC-2	6/16/2017	ND<20	FALSE
GWC-2	12/14/2017	ND<20	FALSE
GWC-2	6/21/2018	ND<20	FALSE
GWC-2	12/20/2018	23	FALSE
GWC-2	6/13/2019	28	FALSE
GWC-2	12/11/2019	25	FALSE
GWC-2	6/23/2020	27.8	FALSE
GWC-2	12/17/2020	ND<20	FALSE
GWC-2	6/16/2021	ND<20	FALSE
GWC-2	12/16/2021	ND<20	FALSE
GWC-2	6/8/2022	ND<20	FALSE
<hr/>			
GWC-3A	12/9/2016	ND<20	FALSE
GWC-3A	6/16/2017	34	FALSE
GWC-3A	12/13/2017	ND<20	FALSE
GWC-3A	6/21/2018	ND<20	FALSE
GWC-3A	12/18/2018	ND<20	FALSE
GWC-3A	6/12/2019	24	FALSE
GWC-3A	12/11/2019	28.8	FALSE
GWC-3A	6/25/2020	33.1	FALSE
GWC-3A	12/17/2020	ND<20	FALSE
GWC-3A	6/15/2021	20.6	FALSE
GWC-3A	12/16/2021	ND<20	FALSE

Zinc

GWC-3A	6/8/2022	ND<20	FALSE
<hr/>			
GWC-5	12/9/2016	ND<20	FALSE
GWC-5	6/13/2017	20	FALSE
GWC-5	12/13/2017	ND<20	FALSE
GWC-5	6/21/2018	ND<20	FALSE
GWC-5	12/19/2018	26	FALSE
GWC-5	6/13/2019	ND<20	FALSE
GWC-5	12/11/2019	38.3	FALSE
GWC-5	6/24/2020	ND<20	FALSE
GWC-5	12/18/2020	ND<20	FALSE
GWC-5	6/16/2021	ND<20	FALSE
GWC-5	12/14/2021	ND<20	FALSE
GWC-5	6/9/2022	27.2	FALSE
<hr/>			
GWC-6	12/9/2016	ND<20	FALSE
GWC-6	6/13/2017	ND<20	FALSE
GWC-6	12/14/2017	ND<20	FALSE
GWC-6	6/21/2018	ND<20	FALSE
GWC-6	12/20/2018	ND<20	FALSE
GWC-6	6/13/2019	ND<20	FALSE
GWC-6	12/11/2019	ND<20	FALSE
GWC-6	6/25/2020	ND<20	FALSE
GWC-6	12/18/2020	ND<20	FALSE
GWC-6	6/16/2021	79	TRUE
GWC-6	12/14/2021	ND<20	FALSE
GWC-6	6/9/2022	ND<20	FALSE
<hr/>			
GWC-7	12/9/2016	ND<20	FALSE
GWC-7	6/13/2017	20	FALSE
GWC-7	12/13/2017	ND<20	FALSE
GWC-7	6/20/2018	30	FALSE
GWC-7	12/19/2018	110	TRUE
GWC-7	6/13/2019	23	FALSE
GWC-7	12/12/2019	42.2	FALSE
GWC-7	6/25/2020	ND<20	FALSE
GWC-7	12/18/2020	ND<20	FALSE
GWC-7	6/16/2021	ND<20	FALSE
GWC-7	12/14/2021	ND<20	FALSE
GWC-7	6/9/2022	24	FALSE
<hr/>			
GWC-8	12/9/2016	26	FALSE
GWC-8	12/13/2017	ND<20	FALSE
GWC-8	6/21/2018	ND<20	FALSE
GWC-8	6/13/2019	ND<20	FALSE
GWC-8	12/12/2019	ND<20	FALSE
GWC-8	6/24/2020	ND<20	FALSE
GWC-8	12/17/2020	ND<20	FALSE
GWC-8	6/17/2021	ND<20	FALSE
GWC-8	12/16/2021	ND<20	FALSE
GWC-8	6/10/2022	ND<20	FALSE

Zinc

GWC-8A	12/9/2016	ND<20	FALSE
GWC-8A	6/14/2017	ND<20	FALSE
GWC-8A	12/13/2017	ND<20	FALSE
GWC-8A	6/21/2018	34	FALSE
GWC-8A	12/20/2018	42	FALSE
GWC-8A	6/13/2019	ND<20	FALSE
GWC-8A	12/12/2019	ND<20	FALSE
GWC-8A	6/24/2020	ND<20	FALSE
GWC-8A	12/16/2020	ND<20	FALSE
GWC-8A	6/17/2021	ND<20	FALSE
GWC-8A	12/16/2021	ND<20	FALSE
GWC-8A	6/10/2022	ND<20	FALSE

GWC-9	12/9/2016	140	TRUE
GWC-9	6/16/2017	73	TRUE
GWC-9	12/14/2017	46	FALSE
GWC-9	6/21/2018	45	FALSE
GWC-9	12/19/2018	38	FALSE
GWC-9	6/13/2019	60	TRUE
GWC-9	12/13/2019	78	TRUE
GWC-9	6/25/2020	45.9	FALSE
GWC-9	12/18/2020	41.9	FALSE
GWC-9	6/16/2021	41.8	FALSE
GWC-9	12/14/2021	49.9	TRUE
GWC-9	6/8/2022	68.7	TRUE

GWC-17	6/15/2017	20	FALSE
GWC-17	12/13/2017	ND<20	FALSE
GWC-17	6/20/2018	ND<20	FALSE
GWC-17	12/20/2018	27	FALSE
GWC-17	6/13/2019	24	FALSE
GWC-17	12/11/2019	ND<20	FALSE
GWC-17	6/24/2020	ND<20	FALSE
GWC-17	12/16/2020	ND<20	FALSE
GWC-17	6/15/2021	ND<20	FALSE
GWC-17	12/15/2021	ND<20	FALSE
GWC-17	6/10/2022	ND<20	FALSE

GWC-24	6/15/2017	ND<20	FALSE
GWC-24	6/20/2018	ND<20	FALSE
GWC-24	6/12/2019	ND<20	FALSE
GWC-24	12/10/2019	24	FALSE
GWC-24	6/25/2020	ND<20	FALSE
GWC-24	6/15/2021	ND<20	FALSE
GWC-24	6/8/2022	ND<20	FALSE

GWC-14	6/21/2018	67	TRUE
GWC-14	6/12/2019	ND<20	FALSE
GWC-14	12/11/2019	27.7	FALSE
GWC-14	6/25/2020	25.3	FALSE
GWC-14	12/18/2020	ND<20	FALSE
GWC-14	6/16/2021	ND<20	FALSE
GWC-14	12/16/2021	ND<20	FALSE

Zinc

GWC-14	6/10/2022	22.1	FALSE
--------	-----------	------	-------

GWC-3	6/21/2018	ND<20	FALSE
GWC-3	12/18/2018	ND<20	FALSE
GWC-3	6/12/2019	ND<20	FALSE
GWC-3	12/11/2019	ND<20	FALSE
GWC-3	6/25/2020	ND<20	FALSE
GWC-3	12/17/2020	ND<20	FALSE
GWC-3	6/16/2021	ND<20	FALSE
GWC-3	12/16/2021	ND<20	FALSE
GWC-3	6/8/2022	25.1	FALSE

GWC-14R	6/9/2022	ND<20	FALSE
---------	----------	-------	-------

GWC-8R	6/9/2022	24.6	FALSE
--------	----------	------	-------



**ATLANTIC COAST
CONSULTING, INC.**

www.atlcc.net

Roswell, GA
1150 Northmeadow Parkway
Suite 100
Roswell, GA 30076
Phone: 770.594.5998

Savannah, GA
7 East Congress Street
Suite 801
Savannah, GA 31401
Phone: 912.236.3471

Knoxville, TN
8848 Cedars Springs Lane
Suite 202
Knoxville, TN 37923
Phone: 865.531.9143