



Forsyth County Recycling & Solid Waste Department

SAMUEL B. BUCKLES, Environmental Scientist Manager

August 26, 2021

Mr. John Sayer
Environmental Monitoring Unit Manager
Georgia Department of Natural Resources
Environmental Protection Division
Solid Waste Management Program
4244 International Parkway, Suite 104
Atlanta, Georgia 30354-3906

RE: First 2021 Semi-Annual Groundwater & Surface Water Monitoring Report
Forsyth County – Hightower Landfill
Permit Nos. 058-006D(SL), 058-009(SL) and
Permit No. 058-010D(SL)
Forsyth County

Dear Mr. Sayer:

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 2021 SEMI-ANNUAL GROUNDWATER & SURFACE WATER MONITORING REPORT

The logo for Atlantic Coast Consulting, Inc. (ACC) is a stylized, white, cursive script of the letters 'ACC'.

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CONSULTING, INC.

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1.0 Introduction

On behalf of Forsyth County, Georgia, Atlantic Coast Consulting, Inc. (ACC) is providing this Semi-Annual Groundwater and Surface Water Monitoring Report for the Hightower Road Municipal Solid Waste Landfill (MSWL). 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 for 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 and Surface Water Monitoring Report is provided to document the results of the June 2021 sampling event at the Hightower Road MSWL. 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 an Assessment of Corrective Measures (ACM) Studies have been completed and Corrective Action Plan (CAP) is being implemented.

3.0 Summary of Site

The Forsyth County Hightower Road Landfill is a closed MSWL 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 LFG migration control and MNA. 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 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 3 AMW series wells utilized to monitor groundwater conditions near Phase I of the facility, and 34 monitoring network wells and 10 AMW series wells to monitor Phases II – IV. Throughout the site, well clusters have been installed to monitor vertical gradients and/or stratification of potential impacts. The shallowest 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 the June 2019 event. The next triennial event is scheduled for June 2022. Some AMW series wells are sampled/analyzed for Appendix I VOCs 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 or redox), 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. Alternative GWPS were established in the ACM for analytes that have no established MCL, per rule 391-3-4-.14(32).

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-GWC-2, GWA-1A, GWC-4A, GWC-8R, GWC-14R, AMW-1, and AMW-2, 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.
- 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.

4.0 Discussion of Sampling Results

Samples from the first 2021 semi-annual monitoring event were collected June 14-17, 2021. The samples were analyzed by AES of Atlanta, Georgia. Samples were collected and analyzed from network detection and assessment monitoring wells for Appendix I/II parameters during this monitoring event as detailed in **Table A**. 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 2021 semi-annual groundwater sampling results indicates that one or more VOCs were detected in 12 network groundwater well samples and seven AMW series well samples as summarized on **Table 3**. The concentrations of four VOCs in one or more assessment well samples were above the respective GWPS: 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 the previous event, there was an unverified detection of 1,1 DCA (3.0 micrograms per Liter - $\mu\text{g/L}$) and PCE (5.7 $\mu\text{g/L}$) in the sample from PH1-GWC-3A, below the respective GWPS. A detection of both analytes occurred again during this event (2.8 $\mu\text{g/L}$ for 1,1-DCA and 8.1 $\mu\text{g/L}$ for PCE), and the detections are now considered verified. During the previous event, there was an unverified detection of cis-1,2-DCE (22 $\mu\text{g/L}$) in the sample from GWC-17. This detection occurred during this event at a concentration of 2.2 $\mu\text{g/L}$ and is considered verified.
- During the previous event, there were unverified detections of benzene in the sample from GWC-8 (2.3 $\mu\text{g/L}$) and TCE in the sample from GWC-18 (2.4 $\mu\text{g/L}$). These detections did not reoccur during this event.
- During this event there was an unverified detection of 1,2,3-Trichloropropane in the sample from GWC-14R that will be evaluated next event.

- The concentration of cis-1,2-DCE in the sample from AMW-1 was above the GWPS (70 µg/L). The concentration of cis-1,2-DCE in the sample from AMW-12R that is downgradient of AMW-1 was below the GWPS.
- The concentrations of PCE in samples from PH1-GWC-3, PH1-GWC-3A, AMW-1, and AMW-12R were above the GWPS (5 µg/L).
- The concentrations of TCE in samples from PH1-GWC-3, PH1-GWC-3A, and AMW-1 were above the GWPS (5 µg/L). TCE was not detected in the SWC-6 sample that is located downgradient of PH1-GWC-3. Also, TCE was below the GWPS in the sample from AMW-12R located downgradient of AMW-1.
- The concentration of vinyl chloride in the sample from GWC-14A was above the GWPS (2 µg/L). Vinyl chloride is not detected in GWC-13 that is downgradient of GWC-14A. Vinyl chloride is not detected in the shallower well GWC-14 or deeper well GWC-14R.
- The detections of VOCs in groundwater are addressed by remedies in the CAP.

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

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, total dissolved solids (TDS), and total alkalinity, and field test 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 2010, second 2013, second 2016, and second 2019 groundwater monitoring reports. 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 and 2nd quarter 2021 Submittal ID: 579724). 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.

4.3 Hydraulic Gradient and Groundwater Flow Velocity

The June 2021 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 179 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, SWC-4B, have been added for delineation (all points are listed in **Table A** and depicted on **Figure 1**). Locations SWC-7, 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 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 2.7 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 four previous detections of cis-1,2-DCE and the current concentration of 2.7 µg/L is lower than the highest observed concentration of 7.4 µg/L from June 2018 (representing a declining trend).

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

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.

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 MSWL and Phase III MSWL. 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 99% lower confidence limit (LCL) is above the GWPS. In accordance with the *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities*, USEPA, March 2009, the confidence limits are compared to the GWPS, and a statistically significant level (SSL) is identified when the LCL is above the GWPS.

5.2 Statistical Results

Kruskal-Wallis non-parametric ANOVA and NPTI statistical tests are included in Attachment B. Those wells and parameters found to have an SSI over background for the current event as determined by the Kruskal-Wallis ANOVA and the NPTI methods are listed in **Table 7**.

Nineteen wells had one or more SSIs during this event, and six wells had SSIs identified for analyte concentrations that were above the GWPS (see **Table 7**). Groundwater detections are addressed by the CAP remedies. Fifteen wells with VOC SSIs are currently in assessment monitoring, and four wells with metals SSIs are in the detection monitoring program. The detection wells with SSIs were triggered only by low levels of barium and/or cobalt. The current concentrations of barium and cobalt 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 2021 sampling event are summarized below:

- Groundwater generally flows, in a sub-radial pattern, towards the northeast and northwest, at a calculated rate of approximately 179 feet per year.
- VOCs at concentrations above respective GWPS are limited to wells 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.
- 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, GWC-1, and GWC-9) and cobalt (GWC-14), all below respective GWPS; these detections are attributed to their typical presence in regional soils.
- There were no detections of VOCs in the sample from surface water location SWC-4. 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, and the current detection represents a declining trend. Location SWC-6 is monitored for VOCs to delineate concentrations of VOCs in samples from groundwater wells PH1-GWC-3 and PH1-GWC-3A. Three additional surface water points were monitored for VOCs (SWC-1, 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 9 during the first 2021 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 8 during the first 2021 event.

Forsyth County will continue implementing the EPD-approved monitoring and corrective action program at the Hightower Road MSWL. The next semi-annual monitoring event is scheduled for December 2021.

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.
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 2022 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, redox (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	Assessment	App II VOCs + App I metals	App I VOCs + 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	App I VOCs	App I VOCs
SWC-4B	Surface Water	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.
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 2022 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, redox (ORP), carbon dioxide, total dissolved solids (TDS) and total alkalinity.

Table 1
Summary of Water Quality Parameters
Forsyth County - Hightower Road MSWLF
June 2021 Sampling Event

Well ID	Sample Method	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTU)	Methane in Headspace (%v/v)
PH1-GWA-1	Bailer	5.23	104	22.4	10.2	0.0
PH1-GWA-1A	Bailer	5.90	65	21.5	4.7	NR
PH1-GWA-2	Bailer	4.72	84	24.1	4.1	0.0
PH1-GWA-3A	Sub. Pump	5.58	37	21.0	0.9	NR
PH1-GWA-4	Bailer	5.28	25	24.8	7.2	NR
PH1-GWB-1	Bailer	4.41	35	27.5	43.3	NR
PH1-GWB-2	Bailer	4.18	42	22.5	9.0	NR
PH1-GWC-1	Bailer	6.02	142	21.4	1.4	NR
PH1-GWC-2	Sub. Pump	6.32	114	23.6	1.2	0.0
PH1-GWC-3	Bailer	5.65	181	29.3	2.0	0.0
PH1-GWC-3A	Bailer	6.33	130	26.4	32.0	0.0
PH1-GWC-4	Bailer	4.15	23	19.3	8.9	NR
GWA-1	Bailer	6.08	90	27.1	9.0	NR
GWA-1A	Sub. Pump	5.74	128	22.2	0.7	NR
GWA-2	Bailer	4.92	23	21.8	4.3	NR
GWA-3	Bailer	4.08	74	26.9	15.6	NR
GWC-1	Bailer	5.44	59	21.8	4.0	NR
GWC-2	Bailer	5.55	13	21.5	7.0	NR
GWC-3	Bailer	5.18	38	22.4	5.0	NR
GWC-3A	Bailer	5.30	28	23.3	12.0	NR
GWC-4	Bailer	5.01	85	22.3	7.0	NR
GWC-4A	Sub. Pump	6.45	72	23.8	62.0	NR
GWC-5	Bailer	4.33	24	25.3	11.8	NR
GWC-6	Bailer	5.94	50	24.2	5.0	NR
GWC-7	Bailer	4.64	61	23.0	12.2	NR
GWC-8	Bailer	5.83	35	23.5	10.0	NR
GWC-8A	Bailer	5.84	195	22.6	32.0	0.0
GWC-8R	Sub. Pump	5.92	226	22.6	**	0.0
GWC-9	Bailer	5.14	151	24.7	25.0	NR
GWC-10	Bailer	5.21	15	23.3	13.0	NR
GWC-10A	Bailer	5.31	38	24.9	4.0	NR
GWC-11	Bailer	4.93	18	24.4	25.0	NR
GWC-12	Bailer	5.28	23	28.0	8.0	NR
GWC-12A	Bailer	5.28	14	24.8	5.0	NR
GWC-13	Bailer	5.47	38	24.6	7.6	NR
GWC-14	Bailer	4.62	66	22.6	7.73	NR
GWC-14A	Bailer	5.28	353	23.3	5.6	0.0
GWC-14R	Sub. Pump	6.28	229	25.7	**	0.0

Notes: Groundwater samples collected June 14-17, 2021.

** = 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
Summary of Water Quality Parameters
Forsyth County - Hightower Road MSWLF
June 2021 Sampling Event

Well ID	Sample Method	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTU)	Methane in Headspace (%v/v)
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	4.84	22	26.6	9.21	0.0
GWC-18	Bailer	5.32	71	27.6	17.4	0.0
GWC-19R	Bailer	4.8	88	22.8	11.2	0.0
GWC-22	Bailer	3.95	23	28.9	0.92	NR
GWC-23	Bailer	4.52	71	21.0	1.09	NR
GWC-23A	Bailer	6.48	30	20.2	3.8	NR
GWC-24	Bailer	5.06	52	23.1	6.64	0.0
AMW-1	Sub. Pump	5.64	101	26.4	1.5	0.0
AMW-2	Sub. Pump	6.23	115	23.8	0.9	0.0
AMW-4	Bailer	4.54	87	22.4	**	0.0
AMW-5	Bailer	4.85	80	25.1	**	0.0
AMW-9	Bailer	4.21	33	23.7	4.4	0.0
AMW-12	Bailer	5.64	124	28.3	5.89	0.0
AMW-12R	Bailer	5.01	78	25.9	6.62	0.0
AMW-13	Bailer	5.38	38	25.5	10.1	0.0
AMW-14	Bailer	5.26	60	27.5	**	0.0

Notes: Groundwater samples collected June 14-17, 2021.

** = 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 2021 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 WELLS				
PH1-GWA-1	48.66	1176.37	36.11	1140.26
PH1-GWA-1A	108.00	1176.35	36.12	1140.23
PH1-GWA-2	53.60	1183.40	33.28	1150.12
PH1-GWA-3A	205.00	1187.16	33.20	1153.96
PH1-GWA-4	57.00	1191.14	33.04	1158.10
PH1-GWB-1	53.80	1179.10	40.81	1138.29
PH1-GWB-2	42.22	1155.04	23.05	1131.99
PH1-GWC-1	23.79	1074.66	9.76	1064.90
PH1-GWC-2	127.61	1103.93	22.12	1081.81
PH1-GWC-3	23.42	1096.96	11.69	1085.27
PH1-GWC-3A	55.42	1096.28	10.68	1085.60
PH1-GWC-4	33.71	1124.26	27.36	1096.90
GWC-1	38.80	1102.25	27.59	1074.66
AMW-8	50.40	1186.23	36.32	1149.91
AMW-9	41.69	1162.64	29.51	1133.13
AMW-10	56.81	1180.73	42.88	1137.85
PHASE II - IV WELLS				
GWA-1	62.85	1187.70	53.56	1134.14
GWA-1A	141.00	1187.49	55.27	1132.22
GWA-2	52.18	1137.30	38.01	1099.29
GWA-3	48.86	1154.53	37.48	1117.05
GWC-2	55.61	1103.64	44.71	1058.93
GWC-3	39.71	1092.39	33.00	1059.39
GWC-3A	68.95	1094.67	30.89	1063.78
GWC-4	49.81	1132.82	41.73	1091.09
GWC-4A	89.23	1132.39	38.66	1093.73
GWC-5	49.91	1084.55	45.70	1038.85
GWC-6	34.52	1064.01	25.21	1038.80
GWC-7	54.21	1093.44	40.37	1053.07
GWC-8	27.53	1095.63	18.70	1076.93
GWC-8A	46.71	1095.44	17.73	1077.71
GWC-8R	94.67	1098.40	20.36	1078.04
GWC-9	60.50	1093.58	44.89	1048.69
GWC-10	37.51	1068.56	20.33	1048.23

Notes: Depths to water measured on June 14, 2021.

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

Table 2 (Continued)
Summary of Groundwater Elevation Data
Forsyth County - Hightower Rd MSWLF
June 2021 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 - IV WELLS				
GWC-10A	54.30	1066.45	20.80	1045.65
GWC-11	46.80	1054.08	31.78	1022.30
GWC-12	40.06	1038.06	27.49	1010.57
GWC-12A	49.44	1038.09	28.83	1009.26
GWC-13	44.95	1090.82	29.41	1061.41
GWC-14	28.37	1089.49	21.25	1068.24
GWC-14A	64.75	1089.32	20.69	1068.63
GWC-14R	93.61	1078.60	12.45	1066.15
GWC-15	62.84	1125.68	54.75	1070.93
GWC-16A	51.05	1136.49	DRY	DRY
GWC-17	21.59	1107.78	14.07	1093.71
GWC-18	52.70	1094.87	40.29	1054.58
GWC-19R	39.87	1105.79	27.64	1078.15
GWC-22	35.05	1079.01	21.34	1057.67
GWC-23	32.22	1079.06	16.61	1062.45
GWC-23A	61.67	1079.10	14.07	1065.03
GWC-24	44.09	1102.32	33.94	1068.38
AMW-1	180.70	1130.04	58.98	1071.06
AMW-2	150.00	1101.96	38.96	1063.00
AMW-3	28.50	1041.09	9.73	1031.36
AMW-4	18.80	1040.09	4.82	1035.27
AMW-5	23.06	1049.32	8.36	1040.96
AMW-11R	58.10	1053.63	7.21	1046.42
AMW-12	19.56	1056.85	7.67	1049.18
AMW-12R	46.43	1056.34	9.86	1046.48
AMW-13	36.18	1093.09	29.15	1063.94
AMW-14	21.70	1052.73	9.91	1042.82

Notes: Depths to water measured June 14, 2021.

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

Table 3
Summary of Appendix I/II Organic Compound Detections
Forsyth County - Hightower Road MSWLF
June 2021 Sampling Event

Monitoring Well ID	1,1-DCA (µg/L)	1,2,3-TCP (µg/L)	Benzene (µg/L)	Chloro-benzene (µg/L)	Chloroethane (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 I WELLS									
PH1-GWA-1	--	--	--	--	--	5.8	--	--	--
PH1-GWA-1A	--	--	--	--	--	--	--	--	--
PH1-GWA-2	--	--	--	--	--	34	--	--	--
PH1-GWA-3A	--	--	--	--	--	--	--	--	--
PH1-GWA-4	--	--	--	--	--	--	--	--	--
PH1-GWB-1	--	--	--	--	--	--	--	--	--
PH1-GWB-2	--	--	--	--	--	--	--	--	--
PH1-GWC-1	--	--	--	--	--	--	--	--	--
PH1-GWC-2	3.0	--	--	--	--	7.0	3.7	--	--
PH1-GWC-3	3.4	--	--	--	--	28	9.3	7.5	--
PH1-GWC-3A	2.8	--	--	--	--	19	8.1	6.1	--
PH1-GWC-4	--	--	--	--	--	--	--	--	--
GWC-1	--	--	--	--	--	--	--	--	--
AMW-9	--	--	--	--	--	--	--	--	--
PHASE II - IV WELLS									
GWA-1	--	--	--	--	--	--	--	--	--
GWA-1A	--	--	--	--	--	--	--	--	--
GWA-2	--	--	--	--	--	--	--	--	--
GWA-3	--	--	--	--	--	--	--	--	--
GWC-2	--	--	--	--	--	--	--	--	--
GWC-3	--	--	--	--	--	--	--	--	--
GWC-3A	--	--	--	--	--	--	--	--	--
GWC-4	--	--	--	--	--	--	--	--	--
GWC-4A	--	--	--	--	--	--	--	--	--
GWC-5	--	--	--	--	--	--	--	--	--
GWC-6	--	--	--	--	--	--	--	--	--
GWC-7	--	--	--	--	--	--	--	--	--
GWC-8	--	--	--	--	--	--	--	--	--
GWC-8A	2.5	--	--	--	--	24	--	--	--
GWC-8R	16	--	2.0	--	--	32	--	2.1	--

Notes: Groundwater samples collected June 14-17, 2021.
 -- = 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 considered unverified.

Acronyms: µg/L = micrograms per liter
 1,1-DCA = 1,1-Dichloroethane; 1,2,3-TCP = 1,2,3-Trichloropropane; 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
 December 2020 Sampling Event

Monitoring Well ID	1,1-DCA (µg/L)	1,2,3-Trichloropropane	Benzene (µg/L)	Chlorobenzene (µg/L)	Chloroethane (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 - IV WELLS									
GWC-9	--	--	--	--	--	--	--	--	--
GWC-10	--	--	--	--	--	--	--	--	--
GWC-10A	--	--	--	--	--	--	--	--	--
GWC-11	--	--	--	--	--	--	--	--	--
GWC-12	--	--	--	--	--	--	--	--	--
GWC-12A	--	--	--	--	--	--	--	--	--
GWC-13	--	--	--	--	--	--	--	--	--
GWC-14	--	--	--	--	--	--	--	--	--
GWC-14A	9.2	--	2.6	15	3.0	59	--	--	12
GWC-14R	16	<u>33</u>	--	--	--	26	--	3.9	--
GWC-15	Purged Dry; Refer to Surrogate AMW-1								
GWC-16A	Purged Dry; Refer to Surrogate AMW-2								
GWC-17	--	--	--	--	--	2.2	--	--	--
GWC-18	--	--	--	--	--	6.2	3.1	--	--
GWC-19R	--	--	--	--	--	5.3	--	--	--
GWC-22	--	--	--	--	--	--	--	--	--
GWC-23	--	--	--	--	--	--	--	--	--
GWC-23A	--	--	--	--	--	--	--	--	--
GWC-24	--	--	--	--	--	--	--	--	--
AMW-1	42	--	3.9	--	--	130	29	71	--
AMW-2	--	--	--	--	--	2.1	--	--	--
AMW-4	--	--	--	--	--	19	4.2	2.4	--
AMW-5	--	--	--	--	--	3.1	--	--	--
AMW-12	--	--	--	--	--	--	2.9	--	--
AMW-12R	3.5	--	--	--	--	3.4	13	2.6	--
AMW-13	--	--	--	--	--	--	--	--	--
AMW-14	--	--	--	--	--	2.2	--	--	--

Notes: Groundwater samples collected June 14-18, 2021.
 -- = 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 considered unverified.

Acronyms: µg/L = micrograms per liter
 1,1-DCA = 1,1-Dichloroethane; 1,2,3-TCP = 1,2,3-Trichloropropane; 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 Metal Detections
Forsyth County - Hightower Road MSWLF
June 2021 Sampling Event

Monitoring Well ID	Barium (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Zinc (mg/L)
GWPS	2	0.73*	0.1	5**
PHASE I WELLS				
PH1-GWA-1	0.0287	0.0835	--	--
PH1-GWA-1A	0.0287	--	--	--
PH1-GWA-2	0.0717	--	--	--
PH1-GWA-3A	--	--	--	--
PH1-GWA-4	--	--	--	--
PH1-GWB-1	0.0631	--	--	--
PH1-GWB-2	--	--	--	0.0263
PH1-GWC-1	0.0421	--	--	--
PH1-GWC-2	0.0206	--	--	--
PH1-GWC-3	0.0243	--	--	--
PH1-GWC-3A	0.0305	--	--	0.0236
PH1-GWC-4	0.0330	--	--	--
GWC-1	0.0861	--	--	--
AMW-9	--	--	--	--
PHASE II - IV WELLS				
GWA-1	0.0261	--	--	0.0216
GWA-1A	0.0374	--	--	--
GWA-2	0.0242	--	--	--
GWA-3	--	--	--	--
GWC-2	--	--	--	--
GWC-3	--	--	--	--
GWC-3A	0.0365	--	--	0.0206
GWC-4	0.0245	--	--	0.0432
GWC-4A	0.0357	--	--	--
GWC-5	--	--	--	--
GWC-6	--	--	--	0.0790
GWC-7	0.0369	--	--	--
GWC-8	0.0425	--	--	--
GWC-8A	0.0524	--	--	--

Notes: Groundwater samples collected June 14-18, 2021.

-- = 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.

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

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 Metal Detections
Forsyth County - Hightower Road MSWLF
June 2021 Sampling Event

Monitoring Well ID	Barium (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Zinc (mg/L)
GWPS	2	0.73*	0.1	5**
PHASE II - IV WELLS				
GWC-9	0.0643	--	--	0.0418
GWC-10	--	--	--	--
GWC-10A	0.0315	--	--	--
GWC-11	0.0221	--	--	--
GWC-12	--	--	--	--
GWC-12A	--	--	--	--
GWC-13	--	--	--	--
GWC-14	0.0240	0.0876	--	--
GWC-14A	0.173	0.306	0.0222	--
GWC-15	Purged Dry; Refer to Surrogate AMW-1			
GWC-16A	Purged Dry; Refer to Surrogate AMW-2			
GWC-17	0.0383	--	--	--
GWC-18	0.165	--	--	--
GWC-19R	0.0822	<u>0.0452</u>	--	--
GWC-22	0.0280	--	--	--
GWC-23	--	--	--	--
GWC-23A	--	--	--	--
AMW-1	0.0694	--	--	--
AMW-2	0.0243	--	--	--
AMW-13	--	--	--	--

Notes: Groundwater samples collected June 14-18, 2021.

-- = 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.

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

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 2021 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 =	0.092	ft/ft	GWA-2 to GWC-23
i ⁴ =	0.103	ft/ft	GWC-8 to AMW-11R
i ^{AVE} =	0.098	ft/ft	Average
n _e =	0.20	unitless	(reference 1)

Calculation

$$v = \frac{(1.0 \text{ ft/day}) (0.098 \text{ ft/ft})}{20\%}$$

$$v = 0.49 \text{ ft/day}$$

$$v = 179 \text{ ft/year}$$

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 2021 Sampling Event

Location	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	6.15	28.4	2.94	0.0381
SWA-2	NS	1.18	--	2.09	--
SWC-1	--	2.29	--	5.82	--
SWC-2	NS	10.7	26.1	3.67	0.0371
SWC-3	NS	--	--	2.23	--
SWC-4	--	--	--	2.45	--
SWC-4A	--	NS	NS	NS	NS
SWC-4B	--	NS	NS	NS	NS
SWC-5	NS	8.45	23.8	20.6	0.0610
SWC-6	2.7	6.21	10.1	10.7	0.0375

ID	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
SWA-1	5.62	51	23.5	39.5	5.4
SWA-2	6.19	48	22.0	31	6.6
SWC-1	5.95	108	22.4	1.0	7.1
SWC-2	5.56	91	22.4	3	4.2
SWC-3	6.53	55	26.0	27	7.0
SWC-4	6.33	44	20.7	8	7.7
SWC-4A	4.96	154	20.9	13.5	8.0
SWC-4B	5.18	52	20.8	12	7.0
SWC-5	6.59	268	24.8	3.0	5.4
SWC-6	5.97	165	22.1	33.5	5.8
SWC-7	DRY				
SWC-8	DRY				
SWC-9	DRY				

Notes: Surface water samples were collected on June 17, 2021.

-- = 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

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 2021 Sampling Event

Well ID	Appendix I VOCs								Appendix I Metals		
	1,1-DCA	Acetone	Benzene	Chloroethane	cis-1,2-DCE	PCE	TCE	Vinyl Chloride	Total Barium	Total Cobalt	Total Nickel
PHASE I DOWNGRADIENT NETWORK WELLS*											
PH1-GWA-1					X					X	
PH1-GWA-2					X		X		X		
PH1-GWB-1									X		
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 - IV DOWNGRADIENT NETWORK WELLS*											
GWA-3											
GWC-3A											
GWC-4A											
GWC-7											
GWC-8											
GWC-8A	X				X				X		
GWC-8R	X				X						
GWC-9									X		
GWC-10											
GWC-14										X	
GWC-14A	X		X	X	X			X	X	X	X
GWC-14R	X				X	X	X				
GWC-15	X				X	X	X		X		
GWC-16A					X						
GWC-17					X						
GWC-18					X	X			X		
GWC-19R					X				X		
GWC-24											

Notes: X = Statistically Significant Increase indicated; AMW series wells not statistically evaluated.

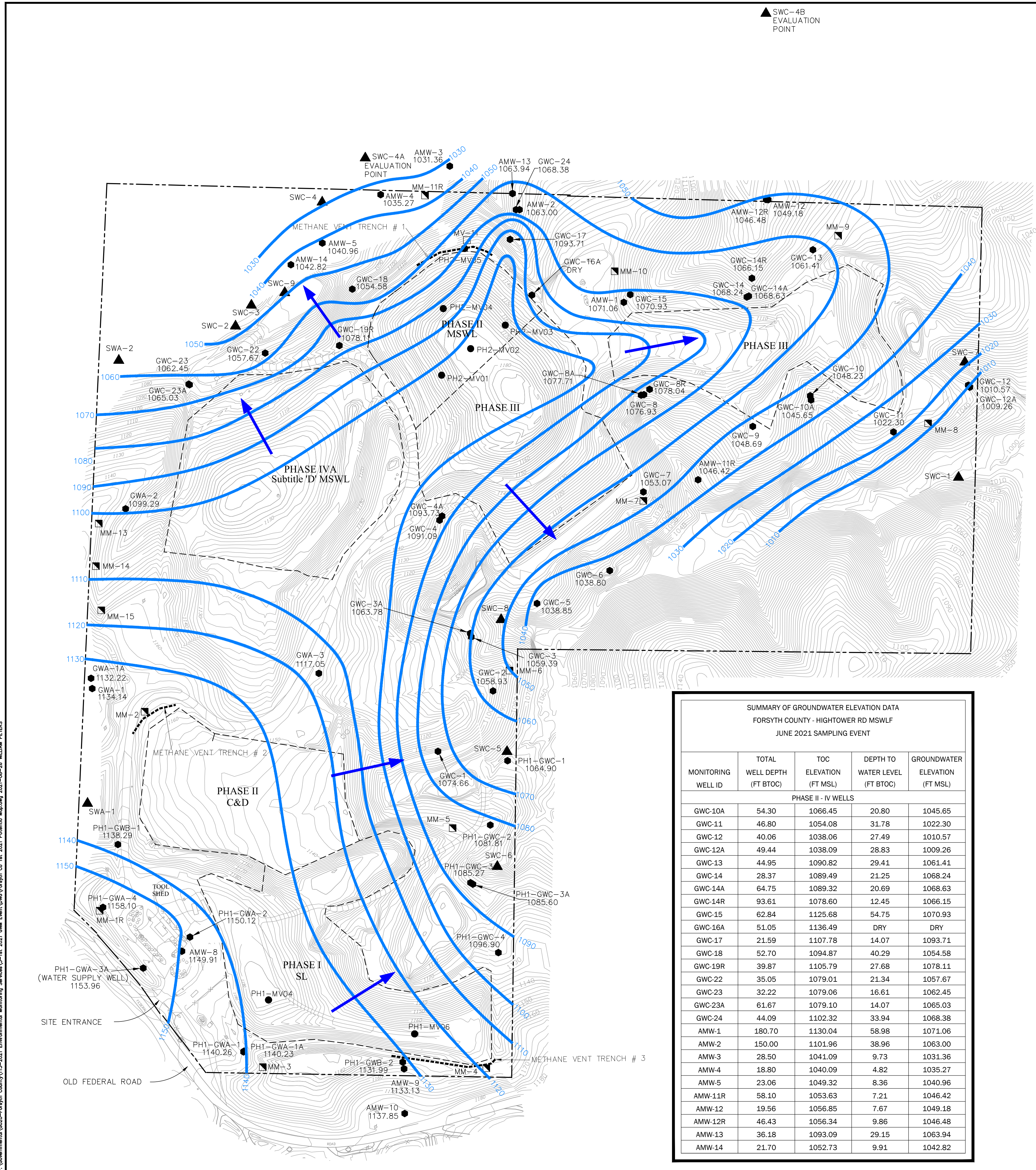
Shaded cells indicate a concentration above a Groundwater Protection Standard (GWPS).

* 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.

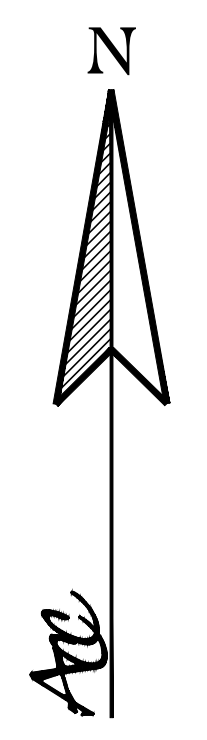
Acronyms: 1,1-DCA = 1,1-Dichloroethane
 cis-1,2-DCE = cis-1,2-Dichloroethane

PCE = Tetrachloroethene
 TCE = Trichloroethene

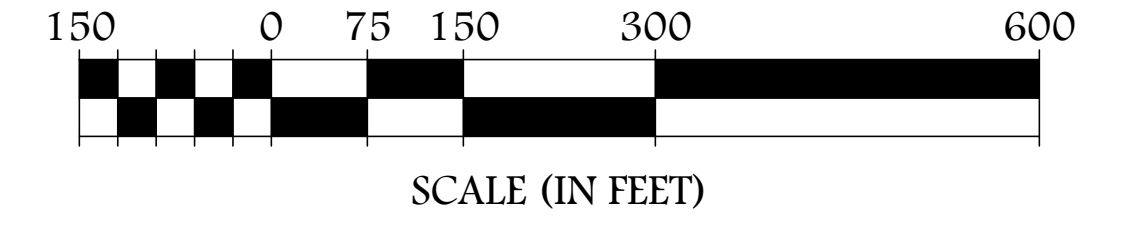
FIGURES



▲ SWC-4B
EVALUATION
POINT



ATLANTIC COAST
CONSULTING, INC.
1150 Northmeadow Pkwy.
Suite 100
Roswell, Ga 30076
770-594-5998
www.atlcc.net



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
MM-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

LEGEND:

EXISTING	DESCRIPTION
— 850 —	PROMINENT CONTOUR
— — —	INTERMEDIATE CONTOUR
- - - - -	PROPERTY BOUNDARY
- - - - -	APPROXIMATE LIMIT OF WASTE
— — —	SURFACE WATER/POND
— — —	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 14, 2021.
 2. WELL AND PROBE LOCATIONS ARE APPROXIMATE AND BASED ON W.L. JORDEN & CO. DRAWINGS DATED MARCH 3, 1996.
 3. SURVEY IS PROVIDED BY APPALACHIAN 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. DEPTHS TO WATER MEASURED ON JUNE 14, 2021.
 9. FT BTOW = FEET BELOW CASING; FT MSL = FEET MEAN SEA LEVEL; AND FT BGS = FEET BELOW GROUND SURFACE; NA = NOT APPLICABLE.

SUMMARY OF GROUNDWATER ELEVATION DATA
FORSYTH COUNTY - HIGHTOWER RD MSWLF
JUNE 2021 SAMPLING EVENT

MONITORING WELL ID	TOTAL WELL DEPTH (FT BTOW)	TOC ELEVATION (FT MSL)	DEPTH TO WATER LEVEL (FT BTOW)	GROUNDWATER ELEVATION (FT MSL)
PHASE II - IV WELLS				
GWC-10A	54.30	1066.45	20.80	1045.65
GWC-11	46.80	1054.08	31.78	1022.30
GWC-12	40.06	1038.06	27.49	1010.57
GWC-12A	49.44	1038.09	28.83	1009.26
GWC-13	44.95	1090.82	29.41	1061.41
GWC-14	28.37	1089.49	21.25	1068.24
GWC-14A	64.75	1089.32	20.69	1068.63
GWC-14R	93.61	1078.60	12.45	1066.15
GWC-15	62.84	1125.68	54.75	1070.93
GWC-16A	51.05	1136.49	DRY	DRY
GWC-17	21.59	1107.78	14.07	1093.71
GWC-18	52.70	1094.87	40.29	1054.58
GWC-19R	39.87	1105.79	27.68	1078.11
GWC-22	35.05	1079.01	21.34	1057.67
GWC-23	32.22	1079.06	16.61	1062.45
GWC-23A	61.67	1079.10	14.07	1065.03
GWC-24	44.09	1102.32	33.94	1068.38
AMW-1	180.70	1130.04	58.98	1071.06
AMW-2	150.00	1101.96	38.96	1063.00
AMW-3	28.50	1041.09	9.73	1031.36
AMW-4	18.80	1040.09	4.82	1035.27
AMW-5	23.06	1049.32	8.36	1040.96
AMW-11R	58.10	1053.63	7.21	1046.42
AMW-12	19.56	1056.85	7.67	1049.18
AMW-12R	46.43	1056.34	9.86	1046.48
AMW-13	36.18	1093.09	29.15	1063.94
AMW-14	21.70	1052.73	9.91	1042.82

SUMMARY OF GROUNDWATER ELEVATION DATA
FORSYTH COUNTY - HIGHTOWER ROAD MSWLF
JUNE 2021 SAMPLING EVENT

MONITORING WELL ID	TOTAL WELL DEPTH (FT BTOW)	TOC ELEVATION (FT MSL)	DEPTH TO WATER LEVEL (FT BTOW)	GROUNDWATER ELEVATION (FT MSL)
PHASE I WELLS				
PH1-GWA-1	48.66	1176.37	36.11	1140.26
PH1-GWA-1A	108.00	1176.35	36.12	1140.23
PH1-GWA-2	53.60	1183.40	33.28	1150.12
PH1-GWA-3A	205.00	1187.16	33.20	1153.96
PH1-GWA-4	57.00	1191.14	33.04	1158.10
PH1-GWB-1	53.80	1179.10	40.81	1138.29
PH1-GWB-2	42.22	1155.04	23.05	1131.99
PH1-GWC-1	23.79	1074.66	9.76	1064.90
PH1-GWC-2	127.61	1103.93	22.12	1081.81
PH1-GWC-3	23.42	1096.96	11.69	1085.27
PH1-GWC-3A	55.42	1096.28	10.68	1085.60
PH1-GWC-4	33.71	1124.26	27.36	1096.90
GWC-1	38.80	1102.25	27.59	1074.66
AMW-8	50.40	1186.23	36.32	1149.91
AMW-9	41.69	1162.64	29.51	1133.13
AMW-10	56.81	1180.73	42.88	1137.85
PHASE II - IV WELLS				
GWA-1	62.85	1187.70	53.56	1134.14
GWA-1A	141.00	1187.49	55.27	1132.22
GWA-2	52.18	1137.30	38.01	1099.29
GWA-3	48.86	1154.53	37.48	1117.05
GWC-2	55.61	1103.64	44.71	1058.93
GWC-3	39.71	1092.39	33.00	1059.39
GWC-3A	68.95	1094.67	30.89	1063.78
GWC-4	49.81	1132.82	41.73	1091.09
GWC-4A	89.23	1132.39	38.66	1093.73
GWC-5	49.91	1084.55	45.70	1038.85
GWC-6	34.52	1064.01	25.21	1038.80
GWC-7	54.21	1093.44	40.37	1053.07
GWC-8	27.53	1095.63	18.70	1076.93
GWC-8A	46.71	1095.44	17.73	1077.71
GWC-8R	94.67	1098.40	20.36	1078.04
GWC-9	60.50	1093.58	44.89	1048.69
GWC-10	37.51	1068.56	20.33	1048.23

REVISIONS

NO.	DESCRIPTION	DATE
0.	INITIAL ISSUE	08/26/2021



FORSYTH COUNTY
HIGHTOWER ROAD LANDFILL
POTENTIOMETRIC SURFACE MAP
JUNE 2021

Drawn by: JB	Checked by: TG	QC by: wp
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PROJECT NUMBER: GO20-113	FIGURE: 1
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P:\Governmental\2020-Forsyth County\11-2021 Environmental Monitoring Services\3-1st 2021 GWA\GWA\Drawings\02-26-2021 Potentiometric Map.dwg 2021-08-26 WILLIAM PETERS

ATTACHMENTS

ATTACHMENT A
LABORATORY ANALYTICAL RESULTS



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 23, 2021

Charles Adams
Atlantic Coast Consulting, Inc.

1150 Northmeadow Pkwy
Roswell GA 30076

RE: Forsyth County- Hightower Rd

Dear Charles Adams:

Order No: 2106193

Analytical Environmental Services, Inc. received 53 samples on June 15, 2021 5:02 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 07/01/20-06/30/21.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/21 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 11/01/21.


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,

Jessica Shilling
Project Manager

CHAIN OF CUSTODY

COMPANY: <u>Atlanta Coast Consulting</u>		ADDRESS: <u>1150 North meadow Pkwy</u>		ANALYSIS REQUESTED						Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers			
PHONE: <u>(770) 541-5198</u>		EMAIL: <u>Charles.adams@atke.net</u>		App 1 VOC App 1 MET App 11 VOC											
SAMPLED BY: <u>J. Davis</u>		SIGNATURE: 													
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)						REMARKS		
		DATE	TIME												
1	<u>PHI-GWB-1</u>	<u>6/14/21</u>	<u>1510</u>	<u>X</u>		<u>GW</u>	<u>2</u>								
2	<u>GWC-22</u>	<u>6/14/21</u>	<u>1215</u>	<u>X</u>		<u>GW</u>	<u>2</u>								
3	<u>GWC-23</u>	<u>6/14/21</u>	<u>1115</u>	<u>X</u>		<u>GW</u>	<u>2</u>								
4	<u>GWC-23A</u>	<u>6/14/21</u>	<u>1200</u>	<u>X</u>		<u>GW</u>	<u>2</u>						<u>edit by 30 6/14/21</u>		
5	<u>GWC-24</u>	<u>6/14/21</u>	<u>1440</u>	<u>X</u>		<u>GW</u>		<u>2</u>							
6	<u>AMW-4</u>	<u>6/14/21</u>	<u>1310</u>	<u>X</u>		<u>GW</u>		<u>2</u>							
7	<u>AMW-5</u>	<u>6/14/21</u>	<u>1330</u>	<u>X</u>		<u>GW</u>		<u>2</u>							
8	<u>AMW-13</u>	<u>6/14/21</u>	<u>1400</u>	<u>X</u>		<u>GW</u>		<u>2</u>							
9	<u>GWC-19R</u>	<u>6/14/21</u>	<u>1255</u>	<u>X</u>		<u>GW</u>		<u>2</u>							
10	<u>GWC-18</u>	<u>6/14/21</u>	<u>1340</u>	<u>X</u>		<u>GW</u>		<u>2</u>							
11	<u>AMW-14</u>	<u>6/14/21</u>	<u>1415</u>	<u>X</u>		<u>GW</u>		<u>2</u>							
12	<u>GWC-17</u>	<u>6/14/21</u>	<u>1455</u>	<u>X</u>		<u>GW</u>		<u>2</u>							
13	<u>GWA-3</u>	<u>6/14/21</u>	<u>1545</u>	<u>X</u>		<u>GW</u>	<u>2</u>								
14	<u>GWA-3</u> <u>PHI-GWC-5</u>	<u>6/14/21</u>	<u>1440</u>	<u>X</u>		<u>GW</u>		<u>2</u>					<u>edit by 30 6/14/21</u>		
RELINQUISHED BY: <u>J. Davis</u>		DATE/TIME: <u>6/15/21 1702</u>		RECEIVED BY: <u>C. Adams</u>		DATE/TIME: <u>6.15 @ 17:02</u>		PROJECT INFORMATION						RECEIPT	
1.		2.		3.		PROJECT NAME: <u>Forsyth Co - Highway Rd</u>						Total # of Containers: <u>28</u>			
2.		3.		PROJECT #: _____						Turnaround Time (TAT) Request in Business Days					
3.		3.		SITE ADDRESS: _____						<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush*(auth req.)					
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		SEND REPORT TO: <u>Charles.adams@atke.net</u>						*Surcharges apply for Rush TAT					
		OUT: / / VIA: _____		INVOICE TO (IF DIFFERENT FROM ABOVE): _____						REGULATORY PROGRAM (if any): _____					
		IN: <u>Client</u> / / VIA: _____		QUOTE #: _____ PO#: _____						DATA PACKAGE: <input type="radio"/> I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/> O					
		other: _____													

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: <i>Atlanta Coast Consulting</i>		ADDRESS: <i>1150 North meadow Pkwy</i>			ANALYSIS REQUESTED				Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers 18	
PHONE: <i>(770) 594-5994</i>		EMAIL: <i>Charles.adams@atcc.net</i>			Appl Voc Appl Met Appl VOC						
SAMPLED BY: <i>ZDals</i>		SIGNATURE:			PRESERVATION (see codes)				REMARKS		
#	SAMPLE ID	SAMPLED:		GRAB						COMPOSITE	MATRIX (see codes)
		DATE	TIME								
1	PHI-GWB-3A	6/11/21	1510	X		GW	-2				edit 20 <i>6/15/21</i>
2	GWB-3A	6/11/21	1545	X		GW					
3	GWB-17	6/15/21	1000	X		GW					
4	GWB-18	6/15/21	0945	X		GW					
5	GWB-19B	6/15/21	0915	X		GW					
6	GWB-22	6/15/21	0920	X		GW					
7	GWB-23	6/15/21	0930	X		GW					
8	PHI-GWB-1	6/15/21	1030	X		GW					
9	GWA-3	6/15/21	1020	X		GW					
10	GWB-23A	6/15/21	0935	X		GW					
11	GWB-24	6/15/21	1000	X		GW					
12	AMW-13	6/15/21	1005	X		GW					
13	GWB-5	6/15/21	1430	X		GW					
14	GWB-7	6/15/21	1500	X		GW					

RELINQUISHED BY: <i>[Signature]</i> DATE/TIME: <i>6/15/21 1702</i>		RECEIVED BY: <i>[Signature]</i> DATE/TIME: <i>6.15 @ 17:02</i>		PROJECT INFORMATION		RECEIPT	
1. <i>[Signature]</i>		2. <i>[Signature]</i>		PROJECT NAME: <i>Forsyth Co - Hightower Rd</i>		Total # of Containers: 18 Turnaround Time (TAT) Request in Business Days <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush*(auth req.) *Surcharges apply for Rush TAT	
3. <i>[Signature]</i>		3. <i>[Signature]</i>		PROJECT #: _____			
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD		SEND REPORT TO: <i>Charles.Adams@atcc.net</i>	
				OUT: / / VIA:			
				IN: <i>Client</i> / / VIA:			
				INVOICE TO (IF DIFFERENT FROM ABOVE):		REGULATORY PROGRAM (if any):	
				QUOTE #: _____ PO#: _____		DATA PACKAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> O	

CHAIN OF CUSTODY

Main form containing company information (Atlantic Coast Consulting, Inc.), address, phone, email, signature, analysis requested (App I VOCs, App II VOCs, App I Metals), sample list (14 samples including PH1-GWC-3, GWC-3A, GWC-1, etc.), and receipt section (Project: Forsyth Co. Hightower Road, Total # of Containers: 26).

CHAIN OF CUSTODY

COMPANY: <u>Atlantic Coast Consulting</u>		ADDRESS: <u>1150 North Meadowway, Roswell, GA 30076</u>				ANALYSIS REQUESTED						Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AES Access account.		Number of Containers																	
PHONE: <u>(770) 594-5998</u>		EMAIL: <u>Charles.adams@atcc.net</u>				<table border="1" style="width:100%; height: 100px;"> <tr> <td style="width: 20px;">App 1 Use</td> <td style="width: 20px;">App 1 Met</td> <td style="width: 20px;">App 11 Use</td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> </table>									App 1 Use	App 1 Met	App 11 Use														
App 1 Use	App 1 Met	App 11 Use																													
SAMPLED BY: <u>Z Davis / K Hollfeld</u>		SIGNATURE: <u>[Signature]</u>				PRESERVATION (see codes)						REMARKS																			
#	SAMPLE ID	DATE	TIME	GRAB	COMPOSITE	MATRIX (see codes)																									
1	GWC-13	6/15/21	1300	X		GW	Z														2										
2	GWC-14	6/15/21	1400	X		GW	Z														2										
3	GWC-14A	6/15/21	1335	X		GW		Z													2										
4	AMW-12	6/15/21	1130	X		FW		Z													2										
5	AMW-12R	6/15/21	1200	X		GW		Z													2										
6	PHI-GWA-1	6/15/21	1325	X		GW		Z													2										
7	PHI-GWA-1A	6/15/21	1408	X		FW	Z														2										
8	GWA-1 GWA-1	6/15/21	1445	X		GW	Z														2										
9	GWA-2	6/15/21	1528	X		GW	Z														2										
10																															
11																															
12																															
13																															
14																															
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION						RECEIPT																	
1. <u>[Signature]</u>		6/15/21 1702		1. <u>[Signature]</u>		6/15 @ 17:02		PROJECT NAME: <u>Fasynth Co - Hightower Rd</u>						Total # of Containers: <u>18</u>																	
2.				2.				PROJECT #:						Turnaround Time (TAT) Request in Business Days																	
3.				3.				SITE ADDRESS:						<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush* (auth req.)																	
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				SEND REPORT TO: <u>Charles.Adams@atcc.net</u>						REGULATORY PROGRAM (if any):																	
				OUT: / / VIA:				INVOICE TO (IF DIFFERENT FROM ABOVE):						DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>																	
				IN: / / VIA:				QUOTE #: _____ PO#: _____																							
				Client FedEx UPS US mail courier																											
				other: _____																											

CHAIN OF CUSTODY

COMPANY: <u>Atlantic Coast Consulting, Inc.</u>		ADDRESS: <u>1150 Northmeadow Pkwy Roswell, GA 30075 Suite 100</u>			ANALYSIS REQUESTED							Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers																								
PHONE: <u>770-594-5998</u>		EMAIL: <u>charles.adams@atcc.net</u>			<table border="1" style="width:100%; height: 100%; text-align: center;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">App I VOCs</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">App II VOCs</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">App I Metals</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td colspan="13">PRESERVATION (see codes)</td> </tr> </table>									App I VOCs	App II VOCs	App I Metals											PRESERVATION (see codes)										
App I VOCs	App II VOCs	App I Metals																																			
PRESERVATION (see codes)																																					
SAMPLED BY: <u>Hunter Auld</u>		SIGNATURE: <u>[Signature]</u>			REMARKS																																
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)						REMARKS	Number of Containers																							
		DATE	TIME																																		
1	GWC-6	6-15-21	1450	✓		GW	✓								2																						
2	PHI-GWA-3A	6-15-21	1520	✓		GW	✓	✓							3																						
3	GWC-9	6-15-21	1425	✓		GW	✓								2																						
4	Trip Blank	-	-	-		-		✓							1																						
5																																					
6																																					
7																																					
8																																					
9																																					
10																																					
11																																					
12																																					
13																																					
14																																					

RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>6/15/21 1702</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>6.15 @ 17:02</u>	PROJECT INFORMATION			RECEIPT
1. <u>[Signature]</u>		2. <u>[Signature]</u>		PROJECT NAME: <u>Forsyth Co. Hightower Rd</u>	Total # of Containers: <u>8</u>		Turnaround Time (TAT) Request in Business Days <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush*(auth req.) *Surcharges apply for Rush TAT
3. <u>[Signature]</u>		3. <u>[Signature]</u>		SITE ADDRESS:	REGULATORY PROGRAM (if any):		
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD	SEND REPORT TO: <u>Charles Adams</u>	DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>	
OUT: / /		VIA:		INVOICE TO (IF DIFFERENT FROM ABOVE):	QUOTE #: _____ PO#: _____		
IN: / /		VIA:		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		FedEx		Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water ST = Stormwater WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)			
UPS		US mail		Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice NaOH = SH O = Other (specify) NA = None			
courier		other: _____		Page 6 of 128 White Copy - Original, Yellow Copy - Client			

Client: Atlantic Coast Consulting, Inc.
Project: Forsyth County- Hightower Rd
Lab ID: 2106I93

Case Narrative

Sample Receiving Nonconformance:

Sample GWC-3 was received but not listed on the Chain of Custody. Sample was logged in and analyzed using the information on the bottle label per Betsy McDaniel via phone on 6/16/2021 at 12:18 PM.

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County- Hightower Rd
Lab ID: 2106193-001

Client Sample ID: PH1-GWB-1
Collection Date: 6/14/2021 3:40:00 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	317444	1	06/18/2021 12:07	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 12:07	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 12:07	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 12:07	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 12:07	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 12:07	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 12:07	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 12:07	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 12:07	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 12:07	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 12:07	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 12:07	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 12:07	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 12:07	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 12:07	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 12:07	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 12:07	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 12:07	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 12:07	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 12:07	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 12:07	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 12:07	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 12:07	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 12:07	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:07	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 12:07	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 12:07	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-1
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 3:40:00 PM
Lab ID: 2106I93-001	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	317444	1	06/18/2021 12:07	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 12:07	CM
Surr: 4-Bromofluorobenzene	102	74.9-127		%REC	317444	1	06/18/2021 12:07	CM
Surr: Dibromofluoromethane	101	78.9-121		%REC	317444	1	06/18/2021 12:07	CM
Surr: Toluene-d8	102	81.5-120		%REC	317444	1	06/18/2021 12:07	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-22
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 12:45:00 PM
Lab ID: 2106193-002	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	317444	1	06/18/2021 12:28	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 12:28	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 12:28	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 12:28	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 12:28	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 12:28	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 12:28	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 12:28	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 12:28	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 12:28	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 12:28	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 12:28	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 12:28	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 12:28	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 12:28	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 12:28	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 12:28	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 12:28	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 12:28	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 12:28	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 12:28	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 12:28	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 12:28	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 12:28	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:28	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 12:28	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 12:28	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-22
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 12:45:00 PM
Lab ID: 2106I93-002	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	317444	1	06/18/2021 12:28	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 12:28	CM
Surr: 4-Bromofluorobenzene	103	74.9-127		%REC	317444	1	06/18/2021 12:28	CM
Surr: Dibromofluoromethane	102	78.9-121		%REC	317444	1	06/18/2021 12:28	CM
Surr: Toluene-d8	103	81.5-120		%REC	317444	1	06/18/2021 12:28	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 Rd
Lab ID: 2106193-003

Client Sample ID: GWC-23
Collection Date: 6/14/2021 11:15:00 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	317444	1	06/18/2021 12:49	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 12:49	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 12:49	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 12:49	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 12:49	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 12:49	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 12:49	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 12:49	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 12:49	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 12:49	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 12:49	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 12:49	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 12:49	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 12:49	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 12:49	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 12:49	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 12:49	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 12:49	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 12:49	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 12:49	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 12:49	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 12:49	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 12:49	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 12:49	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 12:49	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 12:49	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 12:49	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: GWC-23
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 11:15:00 AM
Lab ID: 2106I93-003	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	317444	1	06/18/2021 12:49	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 12:49	CM
Surr: 4-Bromofluorobenzene	101	74.9-127		%REC	317444	1	06/18/2021 12:49	CM
Surr: Dibromofluoromethane	100	78.9-121		%REC	317444	1	06/18/2021 12:49	CM
Surr: Toluene-d8	102	81.5-120		%REC	317444	1	06/18/2021 12:49	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 Rd
Lab ID: 2106193-004

Client Sample ID: GWC-23A
Collection Date: 6/14/2021 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	317444	1	06/18/2021 13:09	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 13:09	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 13:09	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 13:09	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 13:09	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 13:09	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 13:09	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 13:09	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 13:09	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 13:09	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 13:09	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 13:09	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 13:09	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 13:09	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 13:09	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 13:09	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 13:09	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 13:09	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 13:09	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 13:09	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 13:09	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 13:09	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 13:09	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 13:09	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:09	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 13:09	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 13:09	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: GWC-23A
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 12:00:00 PM
Lab ID: 2106I93-004	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	317444	1	06/18/2021 13:09	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 13:09	CM
Surr: 4-Bromofluorobenzene	102	74.9-127		%REC	317444	1	06/18/2021 13:09	CM
Surr: Dibromofluoromethane	101	78.9-121		%REC	317444	1	06/18/2021 13:09	CM
Surr: Toluene-d8	103	81.5-120		%REC	317444	1	06/18/2021 13:09	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: GWC-24
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 2:40:00 PM
Lab ID: 2106193-005	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	317497	1	06/19/2021 19:11	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317497	1	06/19/2021 19:11	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317497	1	06/19/2021 19:11	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
2-Butanone	BRL	100		ug/L	317497	1	06/19/2021 19:11	OM
2-Hexanone	BRL	50		ug/L	317497	1	06/19/2021 19:11	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317497	1	06/19/2021 19:11	OM
Acetone	BRL	100		ug/L	317497	1	06/19/2021 19:11	OM
Acetonitrile	BRL	200		ug/L	317497	1	06/19/2021 19:11	OM
Acrolein	BRL	50		ug/L	317497	1	06/19/2021 19:11	OM
Acrylonitrile	BRL	50		ug/L	317497	1	06/19/2021 19:11	OM
Allyl Chloride	BRL	100		ug/L	317497	1	06/19/2021 19:11	OM
Benzene	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
Bromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
Bromodichloromethane	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
Bromoform	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
Bromomethane	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
Carbon disulfide	BRL	5.0		ug/L	317497	1	06/19/2021 19:11	OM
Carbon tetrachloride	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
Chlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
Chloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
Chloroform	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
Chloromethane	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
Chloroprene	BRL	20		ug/L	317497	1	06/19/2021 19:11	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	OM
Dibromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
Dibromomethane	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
Dichlorodifluoromethane	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
Ethyl Methacrylate	BRL	10		ug/L	317497	1	06/19/2021 19:11	OM
Ethylbenzene	BRL	2.0		ug/L	317497	1	06/19/2021 19:11	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: AMW-4
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 1:10:00 PM
Lab ID: 2106193-006	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	317497	1	06/19/2021 19:35	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317497	1	06/19/2021 19:35	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317497	1	06/19/2021 19:35	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
2-Butanone	BRL	100		ug/L	317497	1	06/19/2021 19:35	OM
2-Hexanone	BRL	50		ug/L	317497	1	06/19/2021 19:35	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317497	1	06/19/2021 19:35	OM
Acetone	BRL	100		ug/L	317497	1	06/19/2021 19:35	OM
Acetonitrile	BRL	200		ug/L	317497	1	06/19/2021 19:35	OM
Acrolein	BRL	50		ug/L	317497	1	06/19/2021 19:35	OM
Acrylonitrile	BRL	50		ug/L	317497	1	06/19/2021 19:35	OM
Allyl Chloride	BRL	100		ug/L	317497	1	06/19/2021 19:35	OM
Benzene	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
Bromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Bromodichloromethane	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Bromoform	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Bromomethane	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Carbon disulfide	BRL	5.0		ug/L	317497	1	06/19/2021 19:35	OM
Carbon tetrachloride	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
Chlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Chloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
Chloroform	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
Chloromethane	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Chloroprene	BRL	20		ug/L	317497	1	06/19/2021 19:35	OM
cis-1,2-Dichloroethene	19	2.0		ug/L	317497	1	06/19/2021 19:35	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
Dibromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Dibromomethane	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Dichlorodifluoromethane	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Ethyl Methacrylate	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Ethylbenzene	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	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: AMW-4
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 1:10:00 PM
Lab ID: 2106I93-006	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	317497	1	06/19/2021 19:35	OM
Isobutyl Alcohol	BRL	200		ug/L	317497	1	06/19/2021 19:35	OM
Methyl Methacrylate	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Methylacrylonitrile	BRL	200		ug/L	317497	1	06/19/2021 19:35	OM
Methylene chloride	BRL	5.0		ug/L	317497	1	06/19/2021 19:35	OM
Naphthalene	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Propionitrile	BRL	100		ug/L	317497	1	06/19/2021 19:35	OM
Styrene	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Tetrachloroethene	4.2	2.0		ug/L	317497	1	06/19/2021 19:35	OM
Toluene	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317497	1	06/19/2021 19:35	OM
Trichloroethene	2.4	2.0		ug/L	317497	1	06/19/2021 19:35	OM
Trichlorofluoromethane	BRL	10		ug/L	317497	1	06/19/2021 19:35	OM
Vinyl acetate	BRL	100		ug/L	317497	1	06/19/2021 19:35	OM
Vinyl chloride	BRL	2.0		ug/L	317497	1	06/19/2021 19:35	OM
Xylenes, Total	BRL	5.0		ug/L	317497	1	06/19/2021 19:35	OM
Surr: 4-Bromofluorobenzene	81.1	74.9-127		%REC	317497	1	06/19/2021 19:35	OM
Surr: Dibromofluoromethane	95.9	78.9-121		%REC	317497	1	06/19/2021 19:35	OM
Surr: Toluene-d8	96.7	81.5-120		%REC	317497	1	06/19/2021 19:35	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: AMW-5
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 1:30:00 PM
Lab ID: 2106193-007	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	317497	1	06/19/2021 20:00	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317497	1	06/19/2021 20:00	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317497	1	06/19/2021 20:00	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
2-Butanone	BRL	100		ug/L	317497	1	06/19/2021 20:00	OM
2-Hexanone	BRL	50		ug/L	317497	1	06/19/2021 20:00	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317497	1	06/19/2021 20:00	OM
Acetone	BRL	100		ug/L	317497	1	06/19/2021 20:00	OM
Acetonitrile	BRL	200		ug/L	317497	1	06/19/2021 20:00	OM
Acrolein	BRL	50		ug/L	317497	1	06/19/2021 20:00	OM
Acrylonitrile	BRL	50		ug/L	317497	1	06/19/2021 20:00	OM
Allyl Chloride	BRL	100		ug/L	317497	1	06/19/2021 20:00	OM
Benzene	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
Bromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Bromodichloromethane	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Bromoform	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Bromomethane	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Carbon disulfide	BRL	5.0		ug/L	317497	1	06/19/2021 20:00	OM
Carbon tetrachloride	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
Chlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Chloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
Chloroform	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
Chloromethane	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Chloroprene	BRL	20		ug/L	317497	1	06/19/2021 20:00	OM
cis-1,2-Dichloroethene	3.1	2.0		ug/L	317497	1	06/19/2021 20:00	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
Dibromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Dibromomethane	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Dichlorodifluoromethane	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Ethyl Methacrylate	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Ethylbenzene	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	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: AMW-5
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 1:30:00 PM
Lab ID: 2106I93-007	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	317497	1	06/19/2021 20:00	OM
Isobutyl Alcohol	BRL	200		ug/L	317497	1	06/19/2021 20:00	OM
Methyl Methacrylate	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Methylacrylonitrile	BRL	200		ug/L	317497	1	06/19/2021 20:00	OM
Methylene chloride	BRL	5.0		ug/L	317497	1	06/19/2021 20:00	OM
Naphthalene	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Propionitrile	BRL	100		ug/L	317497	1	06/19/2021 20:00	OM
Styrene	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Tetrachloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
Toluene	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317497	1	06/19/2021 20:00	OM
Trichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
Trichlorofluoromethane	BRL	10		ug/L	317497	1	06/19/2021 20:00	OM
Vinyl acetate	BRL	100		ug/L	317497	1	06/19/2021 20:00	OM
Vinyl chloride	BRL	2.0		ug/L	317497	1	06/19/2021 20:00	OM
Xylenes, Total	BRL	5.0		ug/L	317497	1	06/19/2021 20:00	OM
Surr: 4-Bromofluorobenzene	84.9	74.9-127		%REC	317497	1	06/19/2021 20:00	OM
Surr: Dibromofluoromethane	94.4	78.9-121		%REC	317497	1	06/19/2021 20:00	OM
Surr: Toluene-d8	94.8	81.5-120		%REC	317497	1	06/19/2021 20:00	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: AMW-13
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 2:00:00 PM
Lab ID: 2106193-008	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	317497	1	06/19/2021 20:24	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317497	1	06/19/2021 20:24	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317497	1	06/19/2021 20:24	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
2-Butanone	BRL	100		ug/L	317497	1	06/19/2021 20:24	OM
2-Hexanone	BRL	50		ug/L	317497	1	06/19/2021 20:24	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317497	1	06/19/2021 20:24	OM
Acetone	BRL	100		ug/L	317497	1	06/19/2021 20:24	OM
Acetonitrile	BRL	200		ug/L	317497	1	06/19/2021 20:24	OM
Acrolein	BRL	50		ug/L	317497	1	06/19/2021 20:24	OM
Acrylonitrile	BRL	50		ug/L	317497	1	06/19/2021 20:24	OM
Allyl Chloride	BRL	100		ug/L	317497	1	06/19/2021 20:24	OM
Benzene	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
Bromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Bromodichloromethane	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Bromoform	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Bromomethane	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Carbon disulfide	BRL	5.0		ug/L	317497	1	06/19/2021 20:24	OM
Carbon tetrachloride	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
Chlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Chloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
Chloroform	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
Chloromethane	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Chloroprene	BRL	20		ug/L	317497	1	06/19/2021 20:24	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
Dibromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Dibromomethane	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Dichlorodifluoromethane	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Ethyl Methacrylate	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Ethylbenzene	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	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: AMW-13
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 2:00:00 PM
Lab ID: 2106I93-008	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	317497	1	06/19/2021 20:24	OM
Isobutyl Alcohol	BRL	200		ug/L	317497	1	06/19/2021 20:24	OM
Methyl Methacrylate	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Methylacrylonitrile	BRL	200		ug/L	317497	1	06/19/2021 20:24	OM
Methylene chloride	BRL	5.0		ug/L	317497	1	06/19/2021 20:24	OM
Naphthalene	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Propionitrile	BRL	100		ug/L	317497	1	06/19/2021 20:24	OM
Styrene	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Tetrachloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
Toluene	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317497	1	06/19/2021 20:24	OM
Trichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
Trichlorofluoromethane	BRL	10		ug/L	317497	1	06/19/2021 20:24	OM
Vinyl acetate	BRL	100		ug/L	317497	1	06/19/2021 20:24	OM
Vinyl chloride	BRL	2.0		ug/L	317497	1	06/19/2021 20:24	OM
Xylenes, Total	BRL	5.0		ug/L	317497	1	06/19/2021 20:24	OM
Surr: 4-Bromofluorobenzene	85.2	74.9-127		%REC	317497	1	06/19/2021 20:24	OM
Surr: Dibromofluoromethane	95	78.9-121		%REC	317497	1	06/19/2021 20:24	OM
Surr: Toluene-d8	96.2	81.5-120		%REC	317497	1	06/19/2021 20:24	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: GWC-19R
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 12:55:00 PM
Lab ID: 2106193-009	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	317497	1	06/19/2021 20:48	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317497	1	06/19/2021 20:48	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317497	1	06/19/2021 20:48	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
2-Butanone	BRL	100		ug/L	317497	1	06/19/2021 20:48	OM
2-Hexanone	BRL	50		ug/L	317497	1	06/19/2021 20:48	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317497	1	06/19/2021 20:48	OM
Acetone	BRL	100		ug/L	317497	1	06/19/2021 20:48	OM
Acetonitrile	BRL	200		ug/L	317497	1	06/19/2021 20:48	OM
Acrolein	BRL	50		ug/L	317497	1	06/19/2021 20:48	OM
Acrylonitrile	BRL	50		ug/L	317497	1	06/19/2021 20:48	OM
Allyl Chloride	BRL	100		ug/L	317497	1	06/19/2021 20:48	OM
Benzene	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
Bromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Bromodichloromethane	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Bromoform	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Bromomethane	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Carbon disulfide	BRL	5.0		ug/L	317497	1	06/19/2021 20:48	OM
Carbon tetrachloride	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
Chlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Chloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
Chloroform	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
Chloromethane	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Chloroprene	BRL	20		ug/L	317497	1	06/19/2021 20:48	OM
cis-1,2-Dichloroethene	5.3	2.0		ug/L	317497	1	06/19/2021 20:48	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
Dibromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Dibromomethane	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Dichlorodifluoromethane	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Ethyl Methacrylate	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Ethylbenzene	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	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-19R
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 12:55:00 PM
Lab ID: 2106I93-009	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	317497	1	06/19/2021 20:48	OM
Isobutyl Alcohol	BRL	200		ug/L	317497	1	06/19/2021 20:48	OM
Methyl Methacrylate	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Methylacrylonitrile	BRL	200		ug/L	317497	1	06/19/2021 20:48	OM
Methylene chloride	BRL	5.0		ug/L	317497	1	06/19/2021 20:48	OM
Naphthalene	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Propionitrile	BRL	100		ug/L	317497	1	06/19/2021 20:48	OM
Styrene	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Tetrachloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
Toluene	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317497	1	06/19/2021 20:48	OM
Trichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
Trichlorofluoromethane	BRL	10		ug/L	317497	1	06/19/2021 20:48	OM
Vinyl acetate	BRL	100		ug/L	317497	1	06/19/2021 20:48	OM
Vinyl chloride	BRL	2.0		ug/L	317497	1	06/19/2021 20:48	OM
Xylenes, Total	BRL	5.0		ug/L	317497	1	06/19/2021 20:48	OM
Surr: 4-Bromofluorobenzene	83.3	74.9-127		%REC	317497	1	06/19/2021 20:48	OM
Surr: Dibromofluoromethane	95.6	78.9-121		%REC	317497	1	06/19/2021 20:48	OM
Surr: Toluene-d8	93.6	81.5-120		%REC	317497	1	06/19/2021 20:48	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 Rd
Lab ID: 2106I93-010

Client Sample ID: GWC-18
Collection Date: 6/14/2021 1:40:00 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	317497	1	06/19/2021 21:13	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317497	1	06/19/2021 21:13	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317497	1	06/19/2021 21:13	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
2-Butanone	BRL	100		ug/L	317497	1	06/19/2021 21:13	OM
2-Hexanone	BRL	50		ug/L	317497	1	06/19/2021 21:13	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317497	1	06/19/2021 21:13	OM
Acetone	BRL	100		ug/L	317497	1	06/19/2021 21:13	OM
Acetonitrile	BRL	200		ug/L	317497	1	06/19/2021 21:13	OM
Acrolein	BRL	50		ug/L	317497	1	06/19/2021 21:13	OM
Acrylonitrile	BRL	50		ug/L	317497	1	06/19/2021 21:13	OM
Allyl Chloride	BRL	100		ug/L	317497	1	06/19/2021 21:13	OM
Benzene	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
Bromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
Bromodichloromethane	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
Bromoform	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
Bromomethane	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
Carbon disulfide	BRL	5.0		ug/L	317497	1	06/19/2021 21:13	OM
Carbon tetrachloride	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
Chlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
Chloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
Chloroform	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
Chloromethane	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
Chloroprene	BRL	20		ug/L	317497	1	06/19/2021 21:13	OM
cis-1,2-Dichloroethene	6.2	2.0		ug/L	317497	1	06/19/2021 21:13	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	OM
Dibromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
Dibromomethane	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
Dichlorodifluoromethane	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
Ethyl Methacrylate	BRL	10		ug/L	317497	1	06/19/2021 21:13	OM
Ethylbenzene	BRL	2.0		ug/L	317497	1	06/19/2021 21:13	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: AMW-14
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 2:15:00 PM
Lab ID: 2106I93-011	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	317497	1	06/19/2021 21:37	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317497	1	06/19/2021 21:37	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317497	1	06/19/2021 21:37	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
2-Butanone	BRL	100		ug/L	317497	1	06/19/2021 21:37	OM
2-Hexanone	BRL	50		ug/L	317497	1	06/19/2021 21:37	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317497	1	06/19/2021 21:37	OM
Acetone	BRL	100		ug/L	317497	1	06/19/2021 21:37	OM
Acetonitrile	BRL	200		ug/L	317497	1	06/19/2021 21:37	OM
Acrolein	BRL	50		ug/L	317497	1	06/19/2021 21:37	OM
Acrylonitrile	BRL	50		ug/L	317497	1	06/19/2021 21:37	OM
Allyl Chloride	BRL	100		ug/L	317497	1	06/19/2021 21:37	OM
Benzene	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
Bromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Bromodichloromethane	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Bromoform	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Bromomethane	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Carbon disulfide	BRL	5.0		ug/L	317497	1	06/19/2021 21:37	OM
Carbon tetrachloride	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
Chlorobenzene	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Chloroethane	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
Chloroform	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
Chloromethane	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Chloroprene	BRL	20		ug/L	317497	1	06/19/2021 21:37	OM
cis-1,2-Dichloroethene	2.2	2.0		ug/L	317497	1	06/19/2021 21:37	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
Dibromochloromethane	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Dibromomethane	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Dichlorodifluoromethane	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Ethyl Methacrylate	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Ethylbenzene	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	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: AMW-14
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 2:15:00 PM
Lab ID: 2106I93-011	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	317497	1	06/19/2021 21:37	OM
Isobutyl Alcohol	BRL	200		ug/L	317497	1	06/19/2021 21:37	OM
Methyl Methacrylate	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Methylacrylonitrile	BRL	200		ug/L	317497	1	06/19/2021 21:37	OM
Methylene chloride	BRL	5.0		ug/L	317497	1	06/19/2021 21:37	OM
Naphthalene	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Propionitrile	BRL	100		ug/L	317497	1	06/19/2021 21:37	OM
Styrene	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Tetrachloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
Toluene	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317497	1	06/19/2021 21:37	OM
Trichloroethene	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
Trichlorofluoromethane	BRL	10		ug/L	317497	1	06/19/2021 21:37	OM
Vinyl acetate	BRL	100		ug/L	317497	1	06/19/2021 21:37	OM
Vinyl chloride	BRL	2.0		ug/L	317497	1	06/19/2021 21:37	OM
Xylenes, Total	BRL	5.0		ug/L	317497	1	06/19/2021 21:37	OM
Surr: 4-Bromofluorobenzene	84	74.9-127		%REC	317497	1	06/19/2021 21:37	OM
Surr: Dibromofluoromethane	95.5	78.9-121		%REC	317497	1	06/19/2021 21:37	OM
Surr: Toluene-d8	96.4	81.5-120		%REC	317497	1	06/19/2021 21:37	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-17
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 2:55:00 PM
Lab ID: 2106I93-012	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	317611	1	06/21/2021 17:53	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317611	1	06/21/2021 17:53	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317611	1	06/21/2021 17:53	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
2-Butanone	BRL	100		ug/L	317611	1	06/21/2021 17:53	OM
2-Hexanone	BRL	50		ug/L	317611	1	06/21/2021 17:53	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317611	1	06/21/2021 17:53	OM
Acetone	BRL	100		ug/L	317611	1	06/21/2021 17:53	OM
Acetonitrile	BRL	200		ug/L	317611	1	06/21/2021 17:53	OM
Acrolein	BRL	50		ug/L	317611	1	06/21/2021 17:53	OM
Acrylonitrile	BRL	50		ug/L	317611	1	06/21/2021 17:53	OM
Allyl Chloride	BRL	100		ug/L	317611	1	06/21/2021 17:53	OM
Benzene	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
Bromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
Bromodichloromethane	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
Bromoform	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
Bromomethane	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
Carbon disulfide	BRL	5.0		ug/L	317611	1	06/21/2021 17:53	OM
Carbon tetrachloride	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
Chlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
Chloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
Chloroform	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
Chloromethane	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
Chloroprene	BRL	20		ug/L	317611	1	06/21/2021 17:53	OM
cis-1,2-Dichloroethene	2.2	2.0		ug/L	317611	1	06/21/2021 17:53	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	OM
Dibromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
Dibromomethane	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
Dichlorodifluoromethane	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
Ethyl Methacrylate	BRL	10		ug/L	317611	1	06/21/2021 17:53	OM
Ethylbenzene	BRL	2.0		ug/L	317611	1	06/21/2021 17:53	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 Rd	Collection Date: 6/14/2021 3:45:00 PM
Lab ID: 2106I93-013	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	317444	1	06/18/2021 13:30	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 13:30	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 13:30	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 13:30	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 13:30	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 13:30	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 13:30	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 13:30	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 13:30	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 13:30	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 13:30	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 13:30	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 13:30	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 13:30	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 13:30	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 13:30	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 13:30	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 13:30	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 13:30	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 13:30	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 13:30	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 13:30	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 13:30	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 13:30	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:30	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 13:30	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 13:30	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-3
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 3:45:00 PM
Lab ID: 2106I93-013	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	317444	1	06/18/2021 13:30	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 13:30	CM
Surr: 4-Bromofluorobenzene	102	74.9-127		%REC	317444	1	06/18/2021 13:30	CM
Surr: Dibromofluoromethane	100	78.9-121		%REC	317444	1	06/18/2021 13:30	CM
Surr: Toluene-d8	103	81.5-120		%REC	317444	1	06/18/2021 13:30	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-17
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 10:00:00 AM
Lab ID: 2106I93-014	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	317214	1	06/21/2021 17:09	AS
Arsenic	BRL	0.0100		mg/L	317214	1	06/21/2021 17:09	AS
Barium	0.0383	0.0200		mg/L	317214	1	06/21/2021 17:09	AS
Beryllium	BRL	0.00300		mg/L	317214	1	06/21/2021 17:09	AS
Cadmium	BRL	0.00500		mg/L	317214	1	06/21/2021 17:09	AS
Chromium	BRL	0.0100		mg/L	317214	1	06/21/2021 17:09	AS
Cobalt	BRL	0.0400		mg/L	317214	1	06/21/2021 17:09	AS
Copper	BRL	0.0200		mg/L	317214	1	06/21/2021 17:09	AS
Lead	BRL	0.0150		mg/L	317214	1	06/21/2021 17:09	AS
Nickel	BRL	0.0200		mg/L	317214	1	06/21/2021 17:09	AS
Selenium	BRL	0.0100		mg/L	317214	1	06/21/2021 17:09	AS
Silver	BRL	0.0100		mg/L	317214	1	06/21/2021 17:09	AS
Thallium	BRL	0.00200		mg/L	317214	1	06/21/2021 17:09	AS
Vanadium	BRL	0.0200		mg/L	317214	1	06/21/2021 17:09	AS
Zinc	BRL	0.0200		mg/L	317214	1	06/21/2021 17:09	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Rd	Collection Date: 6/15/2021 9:45:00 AM
Lab ID: 2106I93-015	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	317214	1	06/21/2021 18:11	AS
Arsenic	BRL	0.0100		mg/L	317214	1	06/21/2021 18:11	AS
Barium	0.165	0.0200		mg/L	317214	1	06/21/2021 18:11	AS
Beryllium	BRL	0.00300		mg/L	317214	1	06/21/2021 18:11	AS
Cadmium	BRL	0.00500		mg/L	317214	1	06/23/2021 12:12	AS
Chromium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:11	AS
Cobalt	BRL	0.0400		mg/L	317214	1	06/21/2021 18:11	AS
Copper	BRL	0.0200		mg/L	317214	1	06/21/2021 18:11	AS
Lead	BRL	0.0150		mg/L	317214	1	06/21/2021 18:11	AS
Nickel	BRL	0.0200		mg/L	317214	1	06/21/2021 18:11	AS
Selenium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:11	AS
Silver	BRL	0.0100		mg/L	317214	1	06/21/2021 18:11	AS
Thallium	BRL	0.00200		mg/L	317214	1	06/21/2021 18:11	AS
Vanadium	BRL	0.0200		mg/L	317214	1	06/21/2021 18:11	AS
Zinc	BRL	0.0200		mg/L	317214	1	06/21/2021 18:11	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Rd	Collection Date: 6/15/2021 9:15:00 AM
Lab ID: 2106I93-016	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	317214	1	06/21/2021 18:15	AS
Arsenic	BRL	0.0100		mg/L	317214	1	06/21/2021 18:15	AS
Barium	0.0822	0.0200		mg/L	317214	1	06/21/2021 18:15	AS
Beryllium	BRL	0.00300		mg/L	317214	1	06/21/2021 18:15	AS
Cadmium	BRL	0.00500		mg/L	317214	1	06/23/2021 12:16	AS
Chromium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:15	AS
Cobalt	0.0452	0.0400		mg/L	317214	1	06/21/2021 18:15	AS
Copper	BRL	0.0200		mg/L	317214	1	06/21/2021 18:15	AS
Lead	BRL	0.0150		mg/L	317214	1	06/21/2021 18:15	AS
Nickel	BRL	0.0200		mg/L	317214	1	06/21/2021 18:15	AS
Selenium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:15	AS
Silver	BRL	0.0100		mg/L	317214	1	06/21/2021 18:15	AS
Thallium	BRL	0.00200		mg/L	317214	1	06/21/2021 18:15	AS
Vanadium	BRL	0.0200		mg/L	317214	1	06/21/2021 18:15	AS
Zinc	BRL	0.0200		mg/L	317214	1	06/21/2021 18:15	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Rd
Lab ID: 2106I93-017

Client Sample ID: GWC-22
Collection Date: 6/15/2021 9:20:00 AM
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	317214	1	06/21/2021 18:18	AS
Arsenic	BRL	0.0100		mg/L	317214	1	06/21/2021 18:18	AS
Barium	0.0280	0.0200		mg/L	317214	1	06/21/2021 18:18	AS
Beryllium	BRL	0.00300		mg/L	317214	1	06/21/2021 18:18	AS
Cadmium	BRL	0.00500		mg/L	317214	1	06/23/2021 12:20	AS
Chromium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:18	AS
Cobalt	BRL	0.0400		mg/L	317214	1	06/21/2021 18:18	AS
Copper	BRL	0.0200		mg/L	317214	1	06/21/2021 18:18	AS
Lead	BRL	0.0150		mg/L	317214	1	06/21/2021 18:18	AS
Nickel	BRL	0.0200		mg/L	317214	1	06/21/2021 18:18	AS
Selenium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:18	AS
Silver	BRL	0.0100		mg/L	317214	1	06/21/2021 18:18	AS
Thallium	BRL	0.00200		mg/L	317214	1	06/21/2021 18:18	AS
Vanadium	BRL	0.0200		mg/L	317214	1	06/21/2021 18:18	AS
Zinc	BRL	0.0200		mg/L	317214	1	06/21/2021 18:18	AS

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

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case 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 Rd	Collection Date: 6/15/2021 9:30:00 AM
Lab ID: 2106I93-018	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	317214	1	06/21/2021 18:22	AS
Arsenic	BRL	0.0100		mg/L	317214	1	06/21/2021 18:22	AS
Barium	BRL	0.0200		mg/L	317214	1	06/21/2021 18:22	AS
Beryllium	BRL	0.00300		mg/L	317214	1	06/21/2021 18:22	AS
Cadmium	BRL	0.00500		mg/L	317214	1	06/23/2021 12:23	AS
Chromium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:22	AS
Cobalt	BRL	0.0400		mg/L	317214	1	06/21/2021 18:22	AS
Copper	BRL	0.0200		mg/L	317214	1	06/21/2021 18:22	AS
Lead	BRL	0.0150		mg/L	317214	1	06/21/2021 18:22	AS
Nickel	BRL	0.0200		mg/L	317214	1	06/21/2021 18:22	AS
Selenium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:22	AS
Silver	BRL	0.0100		mg/L	317214	1	06/21/2021 18:22	AS
Thallium	BRL	0.00200		mg/L	317214	1	06/21/2021 18:22	AS
Vanadium	BRL	0.0200		mg/L	317214	1	06/21/2021 18:22	AS
Zinc	BRL	0.0200		mg/L	317214	1	06/21/2021 18:22	AS

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-1
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 10:30:00 AM
Lab ID: 2106I93-019	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	317214	1	06/21/2021 18:25	AS
Arsenic	BRL	0.0100		mg/L	317214	1	06/21/2021 18:25	AS
Barium	0.0631	0.0200		mg/L	317214	1	06/21/2021 18:25	AS
Beryllium	BRL	0.00300		mg/L	317214	1	06/21/2021 18:25	AS
Cadmium	BRL	0.00500		mg/L	317214	1	06/23/2021 12:27	AS
Chromium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:25	AS
Cobalt	BRL	0.0400		mg/L	317214	1	06/21/2021 18:25	AS
Copper	BRL	0.0200		mg/L	317214	1	06/21/2021 18:25	AS
Lead	BRL	0.0150		mg/L	317214	1	06/21/2021 18:25	AS
Nickel	BRL	0.0200		mg/L	317214	1	06/21/2021 18:25	AS
Selenium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:25	AS
Silver	BRL	0.0100		mg/L	317214	1	06/21/2021 18:25	AS
Thallium	BRL	0.00200		mg/L	317214	1	06/21/2021 18:25	AS
Vanadium	BRL	0.0200		mg/L	317214	1	06/21/2021 18:25	AS
Zinc	BRL	0.0200		mg/L	317214	1	06/21/2021 18:25	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Rd	Collection Date: 6/15/2021 10:20:00 AM
Lab ID: 2106I93-020	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	317214	1	06/21/2021 18:29	AS
Arsenic	BRL	0.0100		mg/L	317214	1	06/21/2021 18:29	AS
Barium	BRL	0.0200		mg/L	317214	1	06/21/2021 18:29	AS
Beryllium	BRL	0.00300		mg/L	317214	1	06/21/2021 18:29	AS
Cadmium	BRL	0.00500		mg/L	317214	1	06/23/2021 12:30	AS
Chromium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:29	AS
Cobalt	BRL	0.0400		mg/L	317214	1	06/21/2021 18:29	AS
Copper	BRL	0.0200		mg/L	317214	1	06/21/2021 18:29	AS
Lead	BRL	0.0150		mg/L	317214	1	06/21/2021 18:29	AS
Nickel	BRL	0.0200		mg/L	317214	1	06/21/2021 18:29	AS
Selenium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:29	AS
Silver	BRL	0.0100		mg/L	317214	1	06/21/2021 18:29	AS
Thallium	BRL	0.00200		mg/L	317214	1	06/21/2021 18:29	AS
Vanadium	BRL	0.0200		mg/L	317214	1	06/21/2021 18:29	AS
Zinc	BRL	0.0200		mg/L	317214	1	06/21/2021 18:29	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Rd	Collection Date: 6/15/2021 9:35:00 AM
Lab ID: 2106I93-021	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	317214	1	06/21/2021 18:32	AS
Arsenic	BRL	0.0100		mg/L	317214	1	06/21/2021 18:32	AS
Barium	BRL	0.0200		mg/L	317214	1	06/21/2021 18:32	AS
Beryllium	BRL	0.00300		mg/L	317214	1	06/21/2021 18:32	AS
Cadmium	BRL	0.00500		mg/L	317214	1	06/23/2021 12:34	AS
Chromium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:32	AS
Cobalt	BRL	0.0400		mg/L	317214	1	06/21/2021 18:32	AS
Copper	BRL	0.0200		mg/L	317214	1	06/21/2021 18:32	AS
Lead	BRL	0.0150		mg/L	317214	1	06/21/2021 18:32	AS
Nickel	BRL	0.0200		mg/L	317214	1	06/21/2021 18:32	AS
Selenium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:32	AS
Silver	BRL	0.0100		mg/L	317214	1	06/21/2021 18:32	AS
Thallium	BRL	0.00200		mg/L	317214	1	06/21/2021 18:32	AS
Vanadium	BRL	0.0200		mg/L	317214	1	06/21/2021 18:32	AS
Zinc	BRL	0.0200		mg/L	317214	1	06/21/2021 18:32	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Rd	Collection Date: 6/15/2021 10:05:00 AM
Lab ID: 2106I93-023	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	317214	1	06/21/2021 18:55	AS
Arsenic	BRL	0.0100		mg/L	317214	1	06/21/2021 18:55	AS
Barium	BRL	0.0200		mg/L	317214	1	06/21/2021 18:55	AS
Beryllium	BRL	0.00300		mg/L	317214	1	06/21/2021 18:55	AS
Cadmium	BRL	0.00500		mg/L	317214	1	06/21/2021 18:55	AS
Chromium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:55	AS
Cobalt	BRL	0.0400		mg/L	317214	1	06/21/2021 18:55	AS
Copper	BRL	0.0200		mg/L	317214	1	06/21/2021 18:55	AS
Lead	BRL	0.0150		mg/L	317214	1	06/21/2021 18:55	AS
Nickel	BRL	0.0200		mg/L	317214	1	06/21/2021 18:55	AS
Selenium	BRL	0.0100		mg/L	317214	1	06/21/2021 18:55	AS
Silver	BRL	0.0100		mg/L	317214	1	06/21/2021 18:55	AS
Thallium	BRL	0.00200		mg/L	317214	1	06/21/2021 18:55	AS
Vanadium	BRL	0.0200		mg/L	317214	1	06/21/2021 18:55	AS
Zinc	BRL	0.0200		mg/L	317214	1	06/21/2021 18:55	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Rd
Lab ID: 2106193-024

Client Sample ID: GWC-5
Collection Date: 6/15/2021 2:30:00 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	317444	1	06/18/2021 13:50	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 13:50	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 13:50	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 13:50	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 13:50	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 13:50	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 13:50	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 13:50	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 13:50	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 13:50	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 13:50	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 13:50	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 13:50	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 13:50	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 13:50	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 13:50	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 13:50	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 13:50	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 13:50	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 13:50	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 13:50	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 13:50	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 13:50	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 13:50	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 13:50	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 13:50	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 13:50	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 Rd	Collection Date: 6/15/2021 2:30:00 PM
Lab ID: 2106I93-024	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	317444	1	06/18/2021 13:50	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 13:50	CM
Surr: 4-Bromofluorobenzene	103	74.9-127		%REC	317444	1	06/18/2021 13:50	CM
Surr: Dibromofluoromethane	101	78.9-121		%REC	317444	1	06/18/2021 13:50	CM
Surr: Toluene-d8	103	81.5-120		%REC	317444	1	06/18/2021 13:50	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 Rd	Collection Date: 6/15/2021 3:00:00 PM
Lab ID: 2106193-025	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	317444	1	06/18/2021 14:11	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 14:11	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 14:11	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 14:11	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 14:11	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 14:11	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 14:11	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 14:11	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 14:11	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 14:11	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 14:11	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 14:11	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 14:11	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 14:11	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 14:11	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 14:11	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 14:11	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 14:11	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 14:11	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 14:11	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 14:11	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 14:11	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 14:11	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 14:11	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:11	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 14:11	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 14:11	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.	Client Sample ID: GWC-7
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 3:00:00 PM
Lab ID: 2106I93-025	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	317444	1	06/18/2021 14:11	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 14:11	CM
Surr: 4-Bromofluorobenzene	101	74.9-127		%REC	317444	1	06/18/2021 14:11	CM
Surr: Dibromofluoromethane	101	78.9-121		%REC	317444	1	06/18/2021 14:11	CM
Surr: Toluene-d8	103	81.5-120		%REC	317444	1	06/18/2021 14:11	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.	Client Sample ID: PH1-GWC-3
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 2:40:00 PM
Lab ID: 2106193-026	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	317611	1	06/21/2021 17:28	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
1,1-Dichloroethane	3.4	2.0		ug/L	317611	1	06/21/2021 17:28	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317611	1	06/21/2021 17:28	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317611	1	06/21/2021 17:28	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
2-Butanone	BRL	100		ug/L	317611	1	06/21/2021 17:28	OM
2-Hexanone	BRL	50		ug/L	317611	1	06/21/2021 17:28	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317611	1	06/21/2021 17:28	OM
Acetone	BRL	100		ug/L	317611	1	06/21/2021 17:28	OM
Acetonitrile	BRL	200		ug/L	317611	1	06/21/2021 17:28	OM
Acrolein	BRL	50		ug/L	317611	1	06/21/2021 17:28	OM
Acrylonitrile	BRL	50		ug/L	317611	1	06/21/2021 17:28	OM
Allyl Chloride	BRL	100		ug/L	317611	1	06/21/2021 17:28	OM
Benzene	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
Bromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Bromodichloromethane	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Bromoform	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Bromomethane	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Carbon disulfide	BRL	5.0		ug/L	317611	1	06/21/2021 17:28	OM
Carbon tetrachloride	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
Chlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Chloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
Chloroform	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
Chloromethane	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Chloroprene	BRL	20		ug/L	317611	1	06/21/2021 17:28	OM
cis-1,2-Dichloroethene	28	2.0		ug/L	317611	1	06/21/2021 17:28	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
Dibromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Dibromomethane	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Dichlorodifluoromethane	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Ethyl Methacrylate	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Ethylbenzene	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	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.	Client Sample ID: PH1-GWC-3
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 2:40:00 PM
Lab ID: 2106I93-026	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	317611	1	06/21/2021 17:28	OM
Isobutyl Alcohol	BRL	200		ug/L	317611	1	06/21/2021 17:28	OM
Methyl Methacrylate	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Methylacrylonitrile	BRL	200		ug/L	317611	1	06/21/2021 17:28	OM
Methylene chloride	BRL	5.0		ug/L	317611	1	06/21/2021 17:28	OM
Naphthalene	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Propionitrile	BRL	100		ug/L	317611	1	06/21/2021 17:28	OM
Styrene	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Tetrachloroethene	9.3	2.0		ug/L	317611	1	06/21/2021 17:28	OM
Toluene	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317611	1	06/21/2021 17:28	OM
Trichloroethene	7.5	2.0		ug/L	317611	1	06/21/2021 17:28	OM
Trichlorofluoromethane	BRL	10		ug/L	317611	1	06/21/2021 17:28	OM
Vinyl acetate	BRL	100		ug/L	317611	1	06/21/2021 17:28	OM
Vinyl chloride	BRL	2.0		ug/L	317611	1	06/21/2021 17:28	OM
Xylenes, Total	BRL	5.0		ug/L	317611	1	06/21/2021 17:28	OM
Surr: 4-Bromofluorobenzene	84.6	74.9-127		%REC	317611	1	06/21/2021 17:28	OM
Surr: Dibromofluoromethane	95.7	78.9-121		%REC	317611	1	06/21/2021 17:28	OM
Surr: Toluene-d8	97.3	81.5-120		%REC	317611	1	06/21/2021 17:28	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.	Client Sample ID: PH1-GWC-3A
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 3:10:00 PM
Lab ID: 2106193-027	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	317611	1	06/21/2021 17:04	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
1,1-Dichloroethane	2.8	2.0		ug/L	317611	1	06/21/2021 17:04	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317611	1	06/21/2021 17:04	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317611	1	06/21/2021 17:04	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
2-Butanone	BRL	100		ug/L	317611	1	06/21/2021 17:04	OM
2-Hexanone	BRL	50		ug/L	317611	1	06/21/2021 17:04	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317611	1	06/21/2021 17:04	OM
Acetone	BRL	100		ug/L	317611	1	06/21/2021 17:04	OM
Acetonitrile	BRL	200		ug/L	317611	1	06/21/2021 17:04	OM
Acrolein	BRL	50		ug/L	317611	1	06/21/2021 17:04	OM
Acrylonitrile	BRL	50		ug/L	317611	1	06/21/2021 17:04	OM
Allyl Chloride	BRL	100		ug/L	317611	1	06/21/2021 17:04	OM
Benzene	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
Bromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
Bromodichloromethane	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
Bromoform	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
Bromomethane	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
Carbon disulfide	BRL	5.0		ug/L	317611	1	06/21/2021 17:04	OM
Carbon tetrachloride	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
Chlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
Chloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
Chloroform	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
Chloromethane	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
Chloroprene	BRL	20		ug/L	317611	1	06/21/2021 17:04	OM
cis-1,2-Dichloroethene	19	2.0		ug/L	317611	1	06/21/2021 17:04	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	OM
Dibromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
Dibromomethane	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
Dichlorodifluoromethane	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
Ethyl Methacrylate	BRL	10		ug/L	317611	1	06/21/2021 17:04	OM
Ethylbenzene	BRL	2.0		ug/L	317611	1	06/21/2021 17:04	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 Rd
Lab ID: 2106193-028

Client Sample ID: GWC-3A
Collection Date: 6/14/2021 3:45:00 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	317444	1	06/18/2021 14:31	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 14:31	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 14:31	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 14:31	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 14:31	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 14:31	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 14:31	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 14:31	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 14:31	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 14:31	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 14:31	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 14:31	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 14:31	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 14:31	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 14:31	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 14:31	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 14:31	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 14:31	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 14:31	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 14:31	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 14:31	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 14:31	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 14:31	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 14:31	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:31	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 14:31	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 14:31	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-3A
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/14/2021 3:45:00 PM
Lab ID: 2106I93-028	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	317444	1	06/18/2021 14:31	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 14:31	CM
Surr: 4-Bromofluorobenzene	101	74.9-127		%REC	317444	1	06/18/2021 14:31	CM
Surr: Dibromofluoromethane	100	78.9-121		%REC	317444	1	06/18/2021 14:31	CM
Surr: Toluene-d8	103	81.5-120		%REC	317444	1	06/18/2021 14:31	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-3A
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 9:35:00 AM
Lab ID: 2106I93-031	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	317214	1	06/21/2021 19:27	AS
Arsenic	BRL	0.0100		mg/L	317214	1	06/21/2021 19:27	AS
Barium	0.0365	0.0200		mg/L	317214	1	06/21/2021 19:27	AS
Beryllium	BRL	0.00300		mg/L	317214	1	06/21/2021 19:27	AS
Cadmium	BRL	0.00500		mg/L	317214	1	06/21/2021 19:27	AS
Chromium	BRL	0.0100		mg/L	317214	1	06/21/2021 19:27	AS
Cobalt	BRL	0.0400		mg/L	317214	1	06/21/2021 19:27	AS
Copper	BRL	0.0200		mg/L	317214	1	06/21/2021 19:27	AS
Lead	BRL	0.0150		mg/L	317214	1	06/21/2021 19:27	AS
Nickel	BRL	0.0200		mg/L	317214	1	06/21/2021 19:27	AS
Selenium	BRL	0.0100		mg/L	317214	1	06/21/2021 19:27	AS
Silver	BRL	0.0100		mg/L	317214	1	06/21/2021 19:27	AS
Thallium	BRL	0.00200		mg/L	317214	1	06/21/2021 19:27	AS
Vanadium	BRL	0.0200		mg/L	317214	1	06/21/2021 19:27	AS
Zinc	0.0206	0.0200		mg/L	317214	1	06/21/2021 19:27	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Rd	Collection Date: 6/15/2021 10:00:00 AM
Lab ID: 2106I93-032	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	317444	1	06/18/2021 14:52	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 14:52	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 14:52	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 14:52	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 14:52	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 14:52	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 14:52	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 14:52	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 14:52	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 14:52	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 14:52	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 14:52	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 14:52	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 14:52	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 14:52	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 14:52	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 14:52	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 14:52	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 14:52	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 14:52	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 14:52	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 14:52	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 14:52	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 14:52	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 14:52	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 14:52	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 14:52	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.	Client Sample ID: GWC-1
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 10:00:00 AM
Lab ID: 2106I93-032	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	317444	1	06/18/2021 14:52	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 14:52	CM
Surr: 4-Bromofluorobenzene	101	74.9-127		%REC	317444	1	06/18/2021 14:52	CM
Surr: Dibromofluoromethane	101	78.9-121		%REC	317444	1	06/18/2021 14:52	CM
Surr: Toluene-d8	103	81.5-120		%REC	317444	1	06/18/2021 14:52	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.	Client Sample ID: GWC-2
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 10:25:00 AM
Lab ID: 2106I93-033	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	317444	1	06/18/2021 15:13	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 15:13	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 15:13	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 15:13	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 15:13	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 15:13	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 15:13	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 15:13	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 15:13	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 15:13	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 15:13	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 15:13	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 15:13	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 15:13	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 15:13	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 15:13	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 15:13	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 15:13	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 15:13	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 15:13	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 15:13	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 15:13	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 15:13	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 15:13	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:13	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 15:13	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 15:13	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: GWC-2
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 10:25:00 AM
Lab ID: 2106I93-033	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	317444	1	06/18/2021 15:13	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 15:13	CM
Surr: 4-Bromofluorobenzene	102	74.9-127		%REC	317444	1	06/18/2021 15:13	CM
Surr: Dibromofluoromethane	101	78.9-121		%REC	317444	1	06/18/2021 15:13	CM
Surr: Toluene-d8	102	81.5-120		%REC	317444	1	06/18/2021 15:13	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: GWC-12
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 12:10:00 PM
Lab ID: 2106193-034	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	317444	1	06/18/2021 15:33	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 15:33	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 15:33	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 15:33	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 15:33	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 15:33	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 15:33	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 15:33	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 15:33	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 15:33	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 15:33	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 15:33	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 15:33	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 15:33	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 15:33	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 15:33	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 15:33	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 15:33	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 15:33	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 15:33	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 15:33	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 15:33	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 15:33	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 15:33	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:33	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 15:33	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 15:33	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-12
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 12:10:00 PM
Lab ID: 2106I93-034	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	317444	1	06/18/2021 15:33	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 15:33	CM
Surr: 4-Bromofluorobenzene	102	74.9-127		%REC	317444	1	06/18/2021 15:33	CM
Surr: Dibromofluoromethane	101	78.9-121		%REC	317444	1	06/18/2021 15:33	CM
Surr: Toluene-d8	103	81.5-120		%REC	317444	1	06/18/2021 15:33	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-12A
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 12:35:00 PM
Lab ID: 2106193-035	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	317444	1	06/18/2021 15:54	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 15:54	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 15:54	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 15:54	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 15:54	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 15:54	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 15:54	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 15:54	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 15:54	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 15:54	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 15:54	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 15:54	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 15:54	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 15:54	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 15:54	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 15:54	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 15:54	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 15:54	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 15:54	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 15:54	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 15:54	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 15:54	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 15:54	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 15:54	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 15:54	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 15:54	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 15:54	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: GWC-12A
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 12:35:00 PM
Lab ID: 2106I93-035	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	317444	1	06/18/2021 15:54	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 15:54	CM
Surr: 4-Bromofluorobenzene	102	74.9-127		%REC	317444	1	06/18/2021 15:54	CM
Surr: Dibromofluoromethane	101	78.9-121		%REC	317444	1	06/18/2021 15:54	CM
Surr: Toluene-d8	104	81.5-120		%REC	317444	1	06/18/2021 15:54	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.
Project Name: Forsyth County- Hightower Rd
Lab ID: 2106193-036

Client Sample ID: GWC-11
Collection Date: 6/15/2021 12:55:00 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	317444	1	06/18/2021 16:15	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 16:15	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 16:15	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 16:15	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 16:15	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 16:15	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 16:15	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 16:15	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 16:15	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 16:15	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 16:15	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 16:15	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 16:15	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 16:15	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 16:15	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 16:15	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 16:15	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 16:15	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 16:15	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 16:15	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 16:15	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 16:15	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 16:15	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 16:15	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:15	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 16:15	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 16:15	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-11
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 12:55:00 PM
Lab ID: 2106I93-036	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	317444	1	06/18/2021 16:15	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 16:15	CM
Surr: 4-Bromofluorobenzene	101	74.9-127		%REC	317444	1	06/18/2021 16:15	CM
Surr: Dibromofluoromethane	101	78.9-121		%REC	317444	1	06/18/2021 16:15	CM
Surr: Toluene-d8	103	81.5-120		%REC	317444	1	06/18/2021 16:15	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-10A
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 1:35:00 PM
Lab ID: 2106193-037	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	317444	1	06/18/2021 16:35	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 16:35	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 16:35	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 16:35	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 16:35	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 16:35	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 16:35	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 16:35	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 16:35	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 16:35	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 16:35	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 16:35	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 16:35	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 16:35	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 16:35	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 16:35	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 16:35	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 16:35	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 16:35	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 16:35	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 16:35	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 16:35	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 16:35	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 16:35	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:35	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 16:35	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 16:35	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-10A
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 1:35:00 PM
Lab ID: 2106I93-037	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	317444	1	06/18/2021 16:35	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 16:35	CM
Surr: 4-Bromofluorobenzene	102	74.9-127		%REC	317444	1	06/18/2021 16:35	CM
Surr: Dibromofluoromethane	102	78.9-121		%REC	317444	1	06/18/2021 16:35	CM
Surr: Toluene-d8	104	81.5-120		%REC	317444	1	06/18/2021 16:35	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-10
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 1:55:00 PM
Lab ID: 2106I93-038	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	317444	1	06/18/2021 16:56	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 16:56	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 16:56	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 16:56	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 16:56	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 16:56	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 16:56	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 16:56	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 16:56	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 16:56	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 16:56	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 16:56	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 16:56	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 16:56	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 16:56	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 16:56	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 16:56	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 16:56	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 16:56	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 16:56	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 16:56	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 16:56	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 16:56	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 16:56	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 16:56	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 16:56	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 16:56	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: GWC-10
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 1:55:00 PM
Lab ID: 2106I93-038	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	317444	1	06/18/2021 16:56	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 16:56	CM
Surr: 4-Bromofluorobenzene	102	74.9-127		%REC	317444	1	06/18/2021 16:56	CM
Surr: Dibromofluoromethane	101	78.9-121		%REC	317444	1	06/18/2021 16:56	CM
Surr: Toluene-d8	102	81.5-120		%REC	317444	1	06/18/2021 16:56	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.
Project Name: Forsyth County- Hightower Rd
Lab ID: 2106193-039

Client Sample ID: FIELD BLANK 1
Collection Date: 6/15/2021 2:00:00 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	317444	1	06/18/2021 17:16	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 17:16	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 17:16	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 17:16	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 17:16	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 17:16	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 17:16	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 17:16	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 17:16	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 17:16	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 17:16	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 17:16	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 17:16	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 17:16	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 17:16	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 17:16	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 17:16	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 17:16	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 17:16	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 17:16	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 17:16	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 17:16	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 17:16	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 17:16	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:16	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 17:16	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 17:16	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.	Client Sample ID: FIELD BLANK 1
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 2:00:00 PM
Lab ID: 2106I93-039	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	317444	1	06/18/2021 17:16	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 17:16	CM
Surr: 4-Bromofluorobenzene	101	74.9-127		%REC	317444	1	06/18/2021 17:16	CM
Surr: Dibromofluoromethane	101	78.9-121		%REC	317444	1	06/18/2021 17:16	CM
Surr: Toluene-d8	103	81.5-120		%REC	317444	1	06/18/2021 17:16	CM
APPENDIX I METALS SW6020B			(SW3005A)					
Antimony	BRL	0.00600		mg/L	317214	1	06/21/2021 19:30	AS
Arsenic	BRL	0.0100		mg/L	317214	1	06/21/2021 19:30	AS
Barium	BRL	0.0200		mg/L	317214	1	06/21/2021 19:30	AS
Beryllium	BRL	0.00300		mg/L	317214	1	06/21/2021 19:30	AS
Cadmium	BRL	0.00500		mg/L	317214	1	06/21/2021 19:30	AS
Chromium	BRL	0.0100		mg/L	317214	1	06/21/2021 19:30	AS
Cobalt	BRL	0.0400		mg/L	317214	1	06/21/2021 19:30	AS
Copper	BRL	0.0200		mg/L	317214	1	06/21/2021 19:30	AS
Lead	BRL	0.0150		mg/L	317214	1	06/21/2021 19:30	AS
Nickel	BRL	0.0200		mg/L	317214	1	06/21/2021 19:30	AS
Selenium	BRL	0.0100		mg/L	317214	1	06/21/2021 19:30	AS
Silver	BRL	0.0100		mg/L	317214	1	06/21/2021 19:30	AS
Thallium	BRL	0.00200		mg/L	317214	1	06/21/2021 19:30	AS
Vanadium	BRL	0.0200		mg/L	317214	1	06/21/2021 19:30	AS
Zinc	BRL	0.0200		mg/L	317214	1	06/21/2021 19:30	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Rd
Lab ID: 2106193-040

Client Sample ID: GWC-13
Collection Date: 6/15/2021 1:00:00 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	317444	1	06/18/2021 17:37	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 17:37	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 17:37	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 17:37	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 17:37	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 17:37	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 17:37	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 17:37	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 17:37	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 17:37	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 17:37	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 17:37	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 17:37	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 17:37	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 17:37	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 17:37	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 17:37	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 17:37	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 17:37	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 17:37	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 17:37	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 17:37	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 17:37	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 17:37	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:37	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 17:37	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 17:37	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-13
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 1:00:00 PM
Lab ID: 2106I93-040	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	317444	1	06/18/2021 17:37	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 17:37	CM
Surr: 4-Bromofluorobenzene	101	74.9-127		%REC	317444	1	06/18/2021 17:37	CM
Surr: Dibromofluoromethane	100	78.9-121		%REC	317444	1	06/18/2021 17:37	CM
Surr: Toluene-d8	104	81.5-120		%REC	317444	1	06/18/2021 17:37	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.
Project Name: Forsyth County- Hightower Rd
Lab ID: 2106193-041

Client Sample ID: GWC-14
Collection Date: 6/15/2021 2:00:00 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	317444	1	06/18/2021 17:58	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317444	1	06/18/2021 17:58	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317444	1	06/18/2021 17:58	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317444	1	06/18/2021 17:58	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 17:58	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 17:58	CM
2-Butanone	BRL	100		ug/L	317444	1	06/18/2021 17:58	CM
2-Hexanone	BRL	50		ug/L	317444	1	06/18/2021 17:58	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317444	1	06/18/2021 17:58	CM
Acetone	BRL	100		ug/L	317444	1	06/18/2021 17:58	CM
Acrylonitrile	BRL	50		ug/L	317444	1	06/18/2021 17:58	CM
Benzene	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
Bromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 17:58	CM
Bromodichloromethane	BRL	10		ug/L	317444	1	06/18/2021 17:58	CM
Bromoform	BRL	10		ug/L	317444	1	06/18/2021 17:58	CM
Bromomethane	BRL	10		ug/L	317444	1	06/18/2021 17:58	CM
Carbon disulfide	BRL	5.0		ug/L	317444	1	06/18/2021 17:58	CM
Carbon tetrachloride	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
Chlorobenzene	BRL	10		ug/L	317444	1	06/18/2021 17:58	CM
Chloroethane	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
Chloroform	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
Chloromethane	BRL	10		ug/L	317444	1	06/18/2021 17:58	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
Dibromochloromethane	BRL	10		ug/L	317444	1	06/18/2021 17:58	CM
Dibromomethane	BRL	10		ug/L	317444	1	06/18/2021 17:58	CM
Ethylbenzene	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
Iodomethane	BRL	100		ug/L	317444	1	06/18/2021 17:58	CM
Methylene chloride	BRL	5.0		ug/L	317444	1	06/18/2021 17:58	CM
Styrene	BRL	10		ug/L	317444	1	06/18/2021 17:58	CM
Tetrachloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
Toluene	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317444	1	06/18/2021 17:58	CM
Trichloroethene	BRL	2.0		ug/L	317444	1	06/18/2021 17:58	CM
Trichlorofluoromethane	BRL	10		ug/L	317444	1	06/18/2021 17:58	CM
Vinyl acetate	BRL	100		ug/L	317444	1	06/18/2021 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-14
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 2:00:00 PM
Lab ID: 2106I93-041	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	317444	1	06/18/2021 17:58	CM
Xylenes, Total	BRL	5.0		ug/L	317444	1	06/18/2021 17:58	CM
Surr: 4-Bromofluorobenzene	101	74.9-127		%REC	317444	1	06/18/2021 17:58	CM
Surr: Dibromofluoromethane	101	78.9-121		%REC	317444	1	06/18/2021 17:58	CM
Surr: Toluene-d8	104	81.5-120		%REC	317444	1	06/18/2021 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-14A
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 1:35:00 PM
Lab ID: 2106193-042	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	317611	1	06/21/2021 16:40	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
1,1-Dichloroethane	9.2	2.0		ug/L	317611	1	06/21/2021 16:40	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317611	1	06/21/2021 16:40	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317611	1	06/21/2021 16:40	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
2-Butanone	BRL	100		ug/L	317611	1	06/21/2021 16:40	OM
2-Hexanone	BRL	50		ug/L	317611	1	06/21/2021 16:40	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317611	1	06/21/2021 16:40	OM
Acetone	BRL	100		ug/L	317611	1	06/21/2021 16:40	OM
Acetonitrile	BRL	200		ug/L	317611	1	06/21/2021 16:40	OM
Acrolein	BRL	50		ug/L	317611	1	06/21/2021 16:40	OM
Acrylonitrile	BRL	50		ug/L	317611	1	06/21/2021 16:40	OM
Allyl Chloride	BRL	100		ug/L	317611	1	06/21/2021 16:40	OM
Benzene	2.6	2.0		ug/L	317611	1	06/21/2021 16:40	OM
Bromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
Bromodichloromethane	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
Bromoform	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
Bromomethane	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
Carbon disulfide	BRL	5.0		ug/L	317611	1	06/21/2021 16:40	OM
Carbon tetrachloride	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
Chlorobenzene	15	10		ug/L	317611	1	06/21/2021 16:40	OM
Chloroethane	3.0	2.0		ug/L	317611	1	06/21/2021 16:40	OM
Chloroform	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
Chloromethane	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
Chloroprene	BRL	20		ug/L	317611	1	06/21/2021 16:40	OM
cis-1,2-Dichloroethene	59	2.0		ug/L	317611	1	06/21/2021 16:40	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
Dibromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
Dibromomethane	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
Dichlorodifluoromethane	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
Ethyl Methacrylate	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
Ethylbenzene	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	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.	Client Sample ID: GWC-14A
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 1:35:00 PM
Lab ID: 2106I93-042	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	317611	1	06/21/2021 16:40	OM
Isobutyl Alcohol	BRL	200		ug/L	317611	1	06/21/2021 16:40	OM
Methyl Methacrylate	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
Methylacrylonitrile	BRL	200		ug/L	317611	1	06/21/2021 16:40	OM
Methylene chloride	BRL	5.0		ug/L	317611	1	06/21/2021 16:40	OM
Naphthalene	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
Propionitrile	BRL	100		ug/L	317611	1	06/21/2021 16:40	OM
Styrene	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
Tetrachloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
Toluene	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317611	1	06/21/2021 16:40	OM
Trichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 16:40	OM
Trichlorofluoromethane	BRL	10		ug/L	317611	1	06/21/2021 16:40	OM
Vinyl acetate	BRL	100		ug/L	317611	1	06/21/2021 16:40	OM
Vinyl chloride	12	2.0		ug/L	317611	1	06/21/2021 16:40	OM
Xylenes, Total	BRL	5.0		ug/L	317611	1	06/21/2021 16:40	OM
Surr: 4-Bromofluorobenzene	83.7	74.9-127		%REC	317611	1	06/21/2021 16:40	OM
Surr: Dibromofluoromethane	95.5	78.9-121		%REC	317611	1	06/21/2021 16:40	OM
Surr: Toluene-d8	98	81.5-120		%REC	317611	1	06/21/2021 16:40	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: AMW-12
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 11:30:00 AM
Lab ID: 2106I93-043	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	317611	1	06/21/2021 16:16	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317611	1	06/21/2021 16:16	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317611	1	06/21/2021 16:16	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
2-Butanone	BRL	100		ug/L	317611	1	06/21/2021 16:16	OM
2-Hexanone	BRL	50		ug/L	317611	1	06/21/2021 16:16	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317611	1	06/21/2021 16:16	OM
Acetone	BRL	100		ug/L	317611	1	06/21/2021 16:16	OM
Acetonitrile	BRL	200		ug/L	317611	1	06/21/2021 16:16	OM
Acrolein	BRL	50		ug/L	317611	1	06/21/2021 16:16	OM
Acrylonitrile	BRL	50		ug/L	317611	1	06/21/2021 16:16	OM
Allyl Chloride	BRL	100		ug/L	317611	1	06/21/2021 16:16	OM
Benzene	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
Bromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
Bromodichloromethane	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
Bromoform	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
Bromomethane	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
Carbon disulfide	BRL	5.0		ug/L	317611	1	06/21/2021 16:16	OM
Carbon tetrachloride	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
Chlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
Chloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
Chloroform	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
Chloromethane	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
Chloroprene	BRL	20		ug/L	317611	1	06/21/2021 16:16	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	OM
Dibromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
Dibromomethane	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
Dichlorodifluoromethane	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
Ethyl Methacrylate	BRL	10		ug/L	317611	1	06/21/2021 16:16	OM
Ethylbenzene	BRL	2.0		ug/L	317611	1	06/21/2021 16:16	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 Rd
Lab ID: 2106I93-043

Client Sample ID: AMW-12
Collection Date: 6/15/2021 11:30:00 AM
Matrix: Groundwater

Table with columns: Analyses, Result, Reporting Limit, Qual, Units, BatchID, Dilution Factor, Date Analyzed, Analyst. Rows include Volatile Organic Compounds by GC/MS for SW8260D and SW5030B, listing various chemicals like Iodomethane, Isobutyl Alcohol, etc.

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

E Estimated (value above quantitation range)
S Spike Recovery outside limits due to matrix
Narr See case 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 Rd
Lab ID: 2106I93-044

Client Sample ID: AMW-12R
Collection Date: 6/15/2021 12:00:00 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	317611	1	06/21/2021 15:52	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
1,1-Dichloroethane	3.5	2.0		ug/L	317611	1	06/21/2021 15:52	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317611	1	06/21/2021 15:52	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317611	1	06/21/2021 15:52	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
2-Butanone	BRL	100		ug/L	317611	1	06/21/2021 15:52	OM
2-Hexanone	BRL	50		ug/L	317611	1	06/21/2021 15:52	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317611	1	06/21/2021 15:52	OM
Acetone	BRL	100		ug/L	317611	1	06/21/2021 15:52	OM
Acetonitrile	BRL	200		ug/L	317611	1	06/21/2021 15:52	OM
Acrolein	BRL	50		ug/L	317611	1	06/21/2021 15:52	OM
Acrylonitrile	BRL	50		ug/L	317611	1	06/21/2021 15:52	OM
Allyl Chloride	BRL	100		ug/L	317611	1	06/21/2021 15:52	OM
Benzene	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
Bromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Bromodichloromethane	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Bromoform	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Bromomethane	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Carbon disulfide	BRL	5.0		ug/L	317611	1	06/21/2021 15:52	OM
Carbon tetrachloride	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
Chlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Chloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
Chloroform	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
Chloromethane	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Chloroprene	BRL	20		ug/L	317611	1	06/21/2021 15:52	OM
cis-1,2-Dichloroethene	3.4	2.0		ug/L	317611	1	06/21/2021 15:52	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
Dibromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Dibromomethane	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Dichlorodifluoromethane	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Ethyl Methacrylate	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Ethylbenzene	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	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: AMW-12R
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 12:00:00 PM
Lab ID: 2106I93-044	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	317611	1	06/21/2021 15:52	OM
Isobutyl Alcohol	BRL	200		ug/L	317611	1	06/21/2021 15:52	OM
Methyl Methacrylate	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Methylacrylonitrile	BRL	200		ug/L	317611	1	06/21/2021 15:52	OM
Methylene chloride	BRL	5.0		ug/L	317611	1	06/21/2021 15:52	OM
Naphthalene	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Propionitrile	BRL	100		ug/L	317611	1	06/21/2021 15:52	OM
Styrene	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Tetrachloroethene	13	2.0		ug/L	317611	1	06/21/2021 15:52	OM
Toluene	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317611	1	06/21/2021 15:52	OM
Trichloroethene	2.6	2.0		ug/L	317611	1	06/21/2021 15:52	OM
Trichlorofluoromethane	BRL	10		ug/L	317611	1	06/21/2021 15:52	OM
Vinyl acetate	BRL	100		ug/L	317611	1	06/21/2021 15:52	OM
Vinyl chloride	BRL	2.0		ug/L	317611	1	06/21/2021 15:52	OM
Xylenes, Total	BRL	5.0		ug/L	317611	1	06/21/2021 15:52	OM
Surr: 4-Bromofluorobenzene	82.8	74.9-127		%REC	317611	1	06/21/2021 15:52	OM
Surr: Dibromofluoromethane	96.1	78.9-121		%REC	317611	1	06/21/2021 15:52	OM
Surr: Toluene-d8	98	81.5-120		%REC	317611	1	06/21/2021 15:52	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-1
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 1:25:00 PM
Lab ID: 2106193-045	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	317611	1	06/21/2021 13:51	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317611	1	06/21/2021 13:51	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317611	1	06/21/2021 13:51	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
2-Butanone	BRL	100		ug/L	317611	1	06/21/2021 13:51	OM
2-Hexanone	BRL	50		ug/L	317611	1	06/21/2021 13:51	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317611	1	06/21/2021 13:51	OM
Acetone	BRL	100		ug/L	317611	1	06/21/2021 13:51	OM
Acetonitrile	BRL	200		ug/L	317611	1	06/21/2021 13:51	OM
Acrolein	BRL	50		ug/L	317611	1	06/21/2021 13:51	OM
Acrylonitrile	BRL	50		ug/L	317611	1	06/21/2021 13:51	OM
Allyl Chloride	BRL	100		ug/L	317611	1	06/21/2021 13:51	OM
Benzene	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
Bromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Bromodichloromethane	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Bromoform	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Bromomethane	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Carbon disulfide	BRL	5.0		ug/L	317611	1	06/21/2021 13:51	OM
Carbon tetrachloride	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
Chlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Chloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
Chloroform	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
Chloromethane	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Chloroprene	BRL	20		ug/L	317611	1	06/21/2021 13:51	OM
cis-1,2-Dichloroethene	5.8	2.0		ug/L	317611	1	06/21/2021 13:51	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
Dibromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Dibromomethane	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Dichlorodifluoromethane	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Ethyl Methacrylate	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Ethylbenzene	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	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: PH1-GWA-1
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 1:25:00 PM
Lab ID: 2106I93-045	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	317611	1	06/21/2021 13:51	OM
Isobutyl Alcohol	BRL	200		ug/L	317611	1	06/21/2021 13:51	OM
Methyl Methacrylate	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Methylacrylonitrile	BRL	200		ug/L	317611	1	06/21/2021 13:51	OM
Methylene chloride	BRL	5.0		ug/L	317611	1	06/21/2021 13:51	OM
Naphthalene	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Propionitrile	BRL	100		ug/L	317611	1	06/21/2021 13:51	OM
Styrene	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Tetrachloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
Toluene	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317611	1	06/21/2021 13:51	OM
Trichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
Trichlorofluoromethane	BRL	10		ug/L	317611	1	06/21/2021 13:51	OM
Vinyl acetate	BRL	100		ug/L	317611	1	06/21/2021 13:51	OM
Vinyl chloride	BRL	2.0		ug/L	317611	1	06/21/2021 13:51	OM
Xylenes, Total	BRL	5.0		ug/L	317611	1	06/21/2021 13:51	OM
Surr: 4-Bromofluorobenzene	84.7	74.9-127		%REC	317611	1	06/21/2021 13:51	OM
Surr: Dibromofluoromethane	95	78.9-121		%REC	317611	1	06/21/2021 13:51	OM
Surr: Toluene-d8	98.8	81.5-120		%REC	317611	1	06/21/2021 13:51	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 Rd
Lab ID: 2106193-046

Client Sample ID: PH1-GWA-1A
Collection Date: 6/15/2021 2:08:00 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	317643	1	06/18/2021 23:47	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317643	1	06/18/2021 23:47	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317643	1	06/18/2021 23:47	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317643	1	06/18/2021 23:47	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317643	1	06/18/2021 23:47	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317643	1	06/18/2021 23:47	CM
2-Butanone	BRL	100		ug/L	317643	1	06/18/2021 23:47	CM
2-Hexanone	BRL	50		ug/L	317643	1	06/18/2021 23:47	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317643	1	06/18/2021 23:47	CM
Acetone	BRL	100		ug/L	317643	1	06/18/2021 23:47	CM
Acrylonitrile	BRL	50		ug/L	317643	1	06/18/2021 23:47	CM
Benzene	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
Bromochloromethane	BRL	10		ug/L	317643	1	06/18/2021 23:47	CM
Bromodichloromethane	BRL	10		ug/L	317643	1	06/18/2021 23:47	CM
Bromoform	BRL	10		ug/L	317643	1	06/18/2021 23:47	CM
Bromomethane	BRL	10		ug/L	317643	1	06/18/2021 23:47	CM
Carbon disulfide	BRL	5.0		ug/L	317643	1	06/18/2021 23:47	CM
Carbon tetrachloride	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
Chlorobenzene	BRL	10		ug/L	317643	1	06/18/2021 23:47	CM
Chloroethane	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
Chloroform	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
Chloromethane	BRL	10		ug/L	317643	1	06/18/2021 23:47	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
Dibromochloromethane	BRL	10		ug/L	317643	1	06/18/2021 23:47	CM
Dibromomethane	BRL	10		ug/L	317643	1	06/18/2021 23:47	CM
Ethylbenzene	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
Iodomethane	BRL	100		ug/L	317643	1	06/18/2021 23:47	CM
Methylene chloride	BRL	5.0		ug/L	317643	1	06/18/2021 23:47	CM
Styrene	BRL	10		ug/L	317643	1	06/18/2021 23:47	CM
Tetrachloroethene	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
Toluene	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317643	1	06/18/2021 23:47	CM
Trichloroethene	BRL	2.0		ug/L	317643	1	06/18/2021 23:47	CM
Trichlorofluoromethane	BRL	10		ug/L	317643	1	06/18/2021 23:47	CM
Vinyl acetate	BRL	100		ug/L	317643	1	06/18/2021 23:47	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 Rd	Collection Date: 6/15/2021 2:08:00 PM
Lab ID: 2106I93-046	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	317643	1	06/18/2021 23:47	CM
Xylenes, Total	BRL	5.0		ug/L	317643	1	06/18/2021 23:47	CM
Surr: 4-Bromofluorobenzene	94.8	74.9-127		%REC	317643	1	06/18/2021 23:47	CM
Surr: Dibromofluoromethane	106	78.9-121		%REC	317643	1	06/18/2021 23:47	CM
Surr: Toluene-d8	91.9	81.5-120		%REC	317643	1	06/18/2021 23:47	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 Rd
Lab ID: 2106193-047

Client Sample ID: GWA-1
Collection Date: 6/15/2021 2:45:00 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	317643	1	06/18/2021 23:24	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317643	1	06/18/2021 23:24	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317643	1	06/18/2021 23:24	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317643	1	06/18/2021 23:24	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317643	1	06/18/2021 23:24	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317643	1	06/18/2021 23:24	CM
2-Butanone	BRL	100		ug/L	317643	1	06/18/2021 23:24	CM
2-Hexanone	BRL	50		ug/L	317643	1	06/18/2021 23:24	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317643	1	06/18/2021 23:24	CM
Acetone	BRL	100		ug/L	317643	1	06/18/2021 23:24	CM
Acrylonitrile	BRL	50		ug/L	317643	1	06/18/2021 23:24	CM
Benzene	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
Bromochloromethane	BRL	10		ug/L	317643	1	06/18/2021 23:24	CM
Bromodichloromethane	BRL	10		ug/L	317643	1	06/18/2021 23:24	CM
Bromoform	BRL	10		ug/L	317643	1	06/18/2021 23:24	CM
Bromomethane	BRL	10		ug/L	317643	1	06/18/2021 23:24	CM
Carbon disulfide	BRL	5.0		ug/L	317643	1	06/18/2021 23:24	CM
Carbon tetrachloride	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
Chlorobenzene	BRL	10		ug/L	317643	1	06/18/2021 23:24	CM
Chloroethane	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
Chloroform	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
Chloromethane	BRL	10		ug/L	317643	1	06/18/2021 23:24	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
Dibromochloromethane	BRL	10		ug/L	317643	1	06/18/2021 23:24	CM
Dibromomethane	BRL	10		ug/L	317643	1	06/18/2021 23:24	CM
Ethylbenzene	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
Iodomethane	BRL	100		ug/L	317643	1	06/18/2021 23:24	CM
Methylene chloride	BRL	5.0		ug/L	317643	1	06/18/2021 23:24	CM
Styrene	BRL	10		ug/L	317643	1	06/18/2021 23:24	CM
Tetrachloroethene	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
Toluene	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317643	1	06/18/2021 23:24	CM
Trichloroethene	BRL	2.0		ug/L	317643	1	06/18/2021 23:24	CM
Trichlorofluoromethane	BRL	10		ug/L	317643	1	06/18/2021 23:24	CM
Vinyl acetate	BRL	100		ug/L	317643	1	06/18/2021 23:24	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: GWA-1
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 2:45:00 PM
Lab ID: 2106I93-047	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	317643	1	06/18/2021 23:24	CM
Xylenes, Total	BRL	5.0		ug/L	317643	1	06/18/2021 23:24	CM
Surr: 4-Bromofluorobenzene	97.9	74.9-127		%REC	317643	1	06/18/2021 23:24	CM
Surr: Dibromofluoromethane	112	78.9-121		%REC	317643	1	06/18/2021 23:24	CM
Surr: Toluene-d8	91.4	81.5-120		%REC	317643	1	06/18/2021 23:24	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.
Project Name: Forsyth County- Hightower Rd
Lab ID: 2106193-048

Client Sample ID: GWA-2
Collection Date: 6/15/2021 3:28:00 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	317499	1	06/18/2021 10:13	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317499	1	06/18/2021 10:13	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317499	1	06/18/2021 10:13	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317499	1	06/18/2021 10:13	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 10:13	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 10:13	CM
2-Butanone	BRL	100		ug/L	317499	1	06/18/2021 10:13	CM
2-Hexanone	BRL	50		ug/L	317499	1	06/18/2021 10:13	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317499	1	06/18/2021 10:13	CM
Acetone	BRL	100		ug/L	317499	1	06/18/2021 10:13	CM
Acrylonitrile	BRL	50		ug/L	317499	1	06/18/2021 10:13	CM
Benzene	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
Bromochloromethane	BRL	10		ug/L	317499	1	06/18/2021 10:13	CM
Bromodichloromethane	BRL	10		ug/L	317499	1	06/18/2021 10:13	CM
Bromoform	BRL	10		ug/L	317499	1	06/18/2021 10:13	CM
Bromomethane	BRL	10		ug/L	317499	1	06/18/2021 10:13	CM
Carbon disulfide	BRL	5.0		ug/L	317499	1	06/18/2021 10:13	CM
Carbon tetrachloride	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
Chlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 10:13	CM
Chloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
Chloroform	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
Chloromethane	BRL	10		ug/L	317499	1	06/18/2021 10:13	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
Dibromochloromethane	BRL	10		ug/L	317499	1	06/18/2021 10:13	CM
Dibromomethane	BRL	10		ug/L	317499	1	06/18/2021 10:13	CM
Ethylbenzene	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
Iodomethane	BRL	100		ug/L	317499	1	06/18/2021 10:13	CM
Methylene chloride	BRL	5.0		ug/L	317499	1	06/18/2021 10:13	CM
Styrene	BRL	10		ug/L	317499	1	06/18/2021 10:13	CM
Tetrachloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
Toluene	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317499	1	06/18/2021 10:13	CM
Trichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:13	CM
Trichlorofluoromethane	BRL	10		ug/L	317499	1	06/18/2021 10:13	CM
Vinyl acetate	BRL	100		ug/L	317499	1	06/18/2021 10:13	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-2
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 3:28:00 PM
Lab ID: 2106I93-048	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	317499	1	06/18/2021 10:13	CM
Xylenes, Total	BRL	5.0		ug/L	317499	1	06/18/2021 10:13	CM
Surr: 4-Bromofluorobenzene	100	74.9-127		%REC	317499	1	06/18/2021 10:13	CM
Surr: Dibromofluoromethane	112	78.9-121		%REC	317499	1	06/18/2021 10:13	CM
Surr: Toluene-d8	94.9	81.5-120		%REC	317499	1	06/18/2021 10:13	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.
Project Name: Forsyth County- Hightower Rd
Lab ID: 2106193-049

Client Sample ID: GWC-6
Collection Date: 6/15/2021 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	317499	1	06/18/2021 10:35	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317499	1	06/18/2021 10:35	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317499	1	06/18/2021 10:35	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317499	1	06/18/2021 10:35	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 10:35	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 10:35	CM
2-Butanone	BRL	100		ug/L	317499	1	06/18/2021 10:35	CM
2-Hexanone	BRL	50		ug/L	317499	1	06/18/2021 10:35	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317499	1	06/18/2021 10:35	CM
Acetone	BRL	100		ug/L	317499	1	06/18/2021 10:35	CM
Acrylonitrile	BRL	50		ug/L	317499	1	06/18/2021 10:35	CM
Benzene	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
Bromochloromethane	BRL	10		ug/L	317499	1	06/18/2021 10:35	CM
Bromodichloromethane	BRL	10		ug/L	317499	1	06/18/2021 10:35	CM
Bromoform	BRL	10		ug/L	317499	1	06/18/2021 10:35	CM
Bromomethane	BRL	10		ug/L	317499	1	06/18/2021 10:35	CM
Carbon disulfide	BRL	5.0		ug/L	317499	1	06/18/2021 10:35	CM
Carbon tetrachloride	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
Chlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 10:35	CM
Chloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
Chloroform	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
Chloromethane	BRL	10		ug/L	317499	1	06/18/2021 10:35	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
Dibromochloromethane	BRL	10		ug/L	317499	1	06/18/2021 10:35	CM
Dibromomethane	BRL	10		ug/L	317499	1	06/18/2021 10:35	CM
Ethylbenzene	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
Iodomethane	BRL	100		ug/L	317499	1	06/18/2021 10:35	CM
Methylene chloride	BRL	5.0		ug/L	317499	1	06/18/2021 10:35	CM
Styrene	BRL	10		ug/L	317499	1	06/18/2021 10:35	CM
Tetrachloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
Toluene	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317499	1	06/18/2021 10:35	CM
Trichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:35	CM
Trichlorofluoromethane	BRL	10		ug/L	317499	1	06/18/2021 10:35	CM
Vinyl acetate	BRL	100		ug/L	317499	1	06/18/2021 10:35	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 Rd	Collection Date: 6/15/2021 2:50:00 PM
Lab ID: 2106I93-049	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	317499	1	06/18/2021 10:35	CM
Xylenes, Total	BRL	5.0		ug/L	317499	1	06/18/2021 10:35	CM
Surr: 4-Bromofluorobenzene	97.3	74.9-127		%REC	317499	1	06/18/2021 10:35	CM
Surr: Dibromofluoromethane	108	78.9-121		%REC	317499	1	06/18/2021 10:35	CM
Surr: Toluene-d8	93.6	81.5-120		%REC	317499	1	06/18/2021 10:35	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 Rd
Lab ID: 2106193-050

Client Sample ID: PH1-GWA-3A
Collection Date: 6/15/2021 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	317499	1	06/18/2021 10:58	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317499	1	06/18/2021 10:58	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317499	1	06/18/2021 10:58	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317499	1	06/18/2021 10:58	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 10:58	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 10:58	CM
2-Butanone	BRL	100		ug/L	317499	1	06/18/2021 10:58	CM
2-Hexanone	BRL	50		ug/L	317499	1	06/18/2021 10:58	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317499	1	06/18/2021 10:58	CM
Acetone	BRL	100		ug/L	317499	1	06/18/2021 10:58	CM
Acrylonitrile	BRL	50		ug/L	317499	1	06/18/2021 10:58	CM
Benzene	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
Bromochloromethane	BRL	10		ug/L	317499	1	06/18/2021 10:58	CM
Bromodichloromethane	BRL	10		ug/L	317499	1	06/18/2021 10:58	CM
Bromoform	BRL	10		ug/L	317499	1	06/18/2021 10:58	CM
Bromomethane	BRL	10		ug/L	317499	1	06/18/2021 10:58	CM
Carbon disulfide	BRL	5.0		ug/L	317499	1	06/18/2021 10:58	CM
Carbon tetrachloride	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
Chlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 10:58	CM
Chloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
Chloroform	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
Chloromethane	BRL	10		ug/L	317499	1	06/18/2021 10:58	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
Dibromochloromethane	BRL	10		ug/L	317499	1	06/18/2021 10:58	CM
Dibromomethane	BRL	10		ug/L	317499	1	06/18/2021 10:58	CM
Ethylbenzene	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
Iodomethane	BRL	100		ug/L	317499	1	06/18/2021 10:58	CM
Methylene chloride	BRL	5.0		ug/L	317499	1	06/18/2021 10:58	CM
Styrene	BRL	10		ug/L	317499	1	06/18/2021 10:58	CM
Tetrachloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
Toluene	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317499	1	06/18/2021 10:58	CM
Trichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 10:58	CM
Trichlorofluoromethane	BRL	10		ug/L	317499	1	06/18/2021 10:58	CM
Vinyl acetate	BRL	100		ug/L	317499	1	06/18/2021 10:58	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: PH1-GWA-3A
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 3:20:00 PM
Lab ID: 2106I93-050	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	317499	1	06/18/2021 10:58	CM
Xylenes, Total	BRL	5.0		ug/L	317499	1	06/18/2021 10:58	CM
Surr: 4-Bromofluorobenzene	95.4	74.9-127		%REC	317499	1	06/18/2021 10:58	CM
Surr: Dibromofluoromethane	110	78.9-121		%REC	317499	1	06/18/2021 10:58	CM
Surr: Toluene-d8	95	81.5-120		%REC	317499	1	06/18/2021 10:58	CM
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	317214	1	06/21/2021 19:34	AS
Arsenic	BRL	0.0100		mg/L	317214	1	06/21/2021 19:34	AS
Barium	BRL	0.0200		mg/L	317214	1	06/21/2021 19:34	AS
Beryllium	BRL	0.00300		mg/L	317214	1	06/21/2021 19:34	AS
Cadmium	BRL	0.00500		mg/L	317214	1	06/21/2021 19:34	AS
Chromium	BRL	0.0100		mg/L	317214	1	06/21/2021 19:34	AS
Cobalt	BRL	0.0400		mg/L	317214	1	06/21/2021 19:34	AS
Copper	BRL	0.0200		mg/L	317214	1	06/21/2021 19:34	AS
Lead	BRL	0.0150		mg/L	317214	1	06/21/2021 19:34	AS
Nickel	BRL	0.0200		mg/L	317214	1	06/21/2021 19:34	AS
Selenium	BRL	0.0100		mg/L	317214	1	06/21/2021 19:34	AS
Silver	BRL	0.0100		mg/L	317214	1	06/21/2021 19:34	AS
Thallium	BRL	0.00200		mg/L	317214	1	06/21/2021 19:34	AS
Vanadium	BRL	0.0200		mg/L	317214	1	06/21/2021 19:34	AS
Zinc	BRL	0.0200		mg/L	317214	1	06/21/2021 19:34	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Rd
Lab ID: 2106193-051

Client Sample ID: GWC-9
Collection Date: 6/15/2021 2:25:00 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	317499	1	06/18/2021 11:21	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317499	1	06/18/2021 11:21	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317499	1	06/18/2021 11:21	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317499	1	06/18/2021 11:21	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 11:21	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 11:21	CM
2-Butanone	BRL	100		ug/L	317499	1	06/18/2021 11:21	CM
2-Hexanone	BRL	50		ug/L	317499	1	06/18/2021 11:21	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317499	1	06/18/2021 11:21	CM
Acetone	BRL	100		ug/L	317499	1	06/18/2021 11:21	CM
Acrylonitrile	BRL	50		ug/L	317499	1	06/18/2021 11:21	CM
Benzene	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
Bromochloromethane	BRL	10		ug/L	317499	1	06/18/2021 11:21	CM
Bromodichloromethane	BRL	10		ug/L	317499	1	06/18/2021 11:21	CM
Bromoform	BRL	10		ug/L	317499	1	06/18/2021 11:21	CM
Bromomethane	BRL	10		ug/L	317499	1	06/18/2021 11:21	CM
Carbon disulfide	BRL	5.0		ug/L	317499	1	06/18/2021 11:21	CM
Carbon tetrachloride	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
Chlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 11:21	CM
Chloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
Chloroform	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
Chloromethane	BRL	10		ug/L	317499	1	06/18/2021 11:21	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
Dibromochloromethane	BRL	10		ug/L	317499	1	06/18/2021 11:21	CM
Dibromomethane	BRL	10		ug/L	317499	1	06/18/2021 11:21	CM
Ethylbenzene	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
Iodomethane	BRL	100		ug/L	317499	1	06/18/2021 11:21	CM
Methylene chloride	BRL	5.0		ug/L	317499	1	06/18/2021 11:21	CM
Styrene	BRL	10		ug/L	317499	1	06/18/2021 11:21	CM
Tetrachloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
Toluene	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317499	1	06/18/2021 11:21	CM
Trichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 11:21	CM
Trichlorofluoromethane	BRL	10		ug/L	317499	1	06/18/2021 11:21	CM
Vinyl acetate	BRL	100		ug/L	317499	1	06/18/2021 11:21	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: GWC-9
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 2:25:00 PM
Lab ID: 2106I93-051	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	317499	1	06/18/2021 11:21	CM
Xylenes, Total	BRL	5.0		ug/L	317499	1	06/18/2021 11:21	CM
Surr: 4-Bromofluorobenzene	97.2	74.9-127		%REC	317499	1	06/18/2021 11:21	CM
Surr: Dibromofluoromethane	111	78.9-121		%REC	317499	1	06/18/2021 11:21	CM
Surr: Toluene-d8	96.1	81.5-120		%REC	317499	1	06/18/2021 11:21	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: TRIP BLANK
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021
Lab ID: 2106193-052	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	317611	1	06/21/2021 13:26	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317611	1	06/21/2021 13:26	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317611	1	06/21/2021 13:26	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
2-Butanone	BRL	100		ug/L	317611	1	06/21/2021 13:26	OM
2-Hexanone	BRL	50		ug/L	317611	1	06/21/2021 13:26	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317611	1	06/21/2021 13:26	OM
Acetone	BRL	100		ug/L	317611	1	06/21/2021 13:26	OM
Acetonitrile	BRL	200		ug/L	317611	1	06/21/2021 13:26	OM
Acrolein	BRL	50		ug/L	317611	1	06/21/2021 13:26	OM
Acrylonitrile	BRL	50		ug/L	317611	1	06/21/2021 13:26	OM
Allyl Chloride	BRL	100		ug/L	317611	1	06/21/2021 13:26	OM
Benzene	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
Bromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Bromodichloromethane	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Bromoform	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Bromomethane	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Carbon disulfide	BRL	5.0		ug/L	317611	1	06/21/2021 13:26	OM
Carbon tetrachloride	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
Chlorobenzene	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Chloroethane	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
Chloroform	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
Chloromethane	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Chloroprene	BRL	20		ug/L	317611	1	06/21/2021 13:26	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
Dibromochloromethane	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Dibromomethane	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Dichlorodifluoromethane	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Ethyl Methacrylate	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Ethylbenzene	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	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.	Client Sample ID: TRIP BLANK
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021
Lab ID: 2106I93-052	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	317611	1	06/21/2021 13:26	OM
Isobutyl Alcohol	BRL	200		ug/L	317611	1	06/21/2021 13:26	OM
Methyl Methacrylate	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Methylacrylonitrile	BRL	200		ug/L	317611	1	06/21/2021 13:26	OM
Methylene chloride	BRL	5.0		ug/L	317611	1	06/21/2021 13:26	OM
Naphthalene	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Propionitrile	BRL	100		ug/L	317611	1	06/21/2021 13:26	OM
Styrene	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Tetrachloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
Toluene	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317611	1	06/21/2021 13:26	OM
Trichloroethene	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
Trichlorofluoromethane	BRL	10		ug/L	317611	1	06/21/2021 13:26	OM
Vinyl acetate	BRL	100		ug/L	317611	1	06/21/2021 13:26	OM
Vinyl chloride	BRL	2.0		ug/L	317611	1	06/21/2021 13:26	OM
Xylenes, Total	BRL	5.0		ug/L	317611	1	06/21/2021 13:26	OM
Surr: 4-Bromofluorobenzene	84.6	74.9-127		%REC	317611	1	06/21/2021 13:26	OM
Surr: Dibromofluoromethane	94.6	78.9-121		%REC	317611	1	06/21/2021 13:26	OM
Surr: Toluene-d8	96.6	81.5-120		%REC	317611	1	06/21/2021 13:26	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 Rd
Lab ID: 2106193-053

Client Sample ID: GWC-3
Collection Date: 6/15/2021 9:45:00 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	317499	1	06/18/2021 11:43	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
1,1-Dichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
1,1-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
1,2,3-Trichloropropane	BRL	10		ug/L	317499	1	06/18/2021 11:43	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317499	1	06/18/2021 11:43	CM
1,2-Dibromoethane	BRL	1.0		ug/L	317499	1	06/18/2021 11:43	CM
1,2-Dichlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 11:43	CM
1,2-Dichloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
1,2-Dichloropropane	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
1,4-Dichlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 11:43	CM
2-Butanone	BRL	100		ug/L	317499	1	06/18/2021 11:43	CM
2-Hexanone	BRL	50		ug/L	317499	1	06/18/2021 11:43	CM
4-Methyl-2-pentanone	BRL	50		ug/L	317499	1	06/18/2021 11:43	CM
Acetone	BRL	100		ug/L	317499	1	06/18/2021 11:43	CM
Acrylonitrile	BRL	50		ug/L	317499	1	06/18/2021 11:43	CM
Benzene	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
Bromochloromethane	BRL	10		ug/L	317499	1	06/18/2021 11:43	CM
Bromodichloromethane	BRL	10		ug/L	317499	1	06/18/2021 11:43	CM
Bromoform	BRL	10		ug/L	317499	1	06/18/2021 11:43	CM
Bromomethane	BRL	10		ug/L	317499	1	06/18/2021 11:43	CM
Carbon disulfide	BRL	5.0		ug/L	317499	1	06/18/2021 11:43	CM
Carbon tetrachloride	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
Chlorobenzene	BRL	10		ug/L	317499	1	06/18/2021 11:43	CM
Chloroethane	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
Chloroform	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
Chloromethane	BRL	10		ug/L	317499	1	06/18/2021 11:43	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
Dibromochloromethane	BRL	10		ug/L	317499	1	06/18/2021 11:43	CM
Dibromomethane	BRL	10		ug/L	317499	1	06/18/2021 11:43	CM
Ethylbenzene	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
Iodomethane	BRL	100		ug/L	317499	1	06/18/2021 11:43	CM
Methylene chloride	BRL	5.0		ug/L	317499	1	06/18/2021 11:43	CM
Styrene	BRL	10		ug/L	317499	1	06/18/2021 11:43	CM
Tetrachloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
Toluene	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317499	1	06/18/2021 11:43	CM
Trichloroethene	BRL	2.0		ug/L	317499	1	06/18/2021 11:43	CM
Trichlorofluoromethane	BRL	10		ug/L	317499	1	06/18/2021 11:43	CM
Vinyl acetate	BRL	100		ug/L	317499	1	06/18/2021 11:43	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.	Client Sample ID: GWC-3
Project Name: Forsyth County- Hightower Rd	Collection Date: 6/15/2021 9:45:00 AM
Lab ID: 2106I93-053	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	317499	1	06/18/2021 11:43	CM
Xylenes, Total	BRL	5.0		ug/L	317499	1	06/18/2021 11:43	CM
Surr: 4-Bromofluorobenzene	96.8	74.9-127		%REC	317499	1	06/18/2021 11:43	CM
Surr: Dibromofluoromethane	114	78.9-121		%REC	317499	1	06/18/2021 11:43	CM
Surr: Toluene-d8	94.6	81.5-120		%REC	317499	1	06/18/2021 11:43	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

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Atlantic Coast Consulting, Inc.

AES Work Order Number: 2106193

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 4.0 °C Cooler 2 Temperature 0.5 °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). KH 6/16/21

	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 checked="" 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: _____

I certify that I have completed sections 16-27 (dated initials). TL 6-16-21

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

	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). TL 6-16-21

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County- Hightower Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317214

Sample ID: MB-317214	Client ID:	Units: mg/L	Prep Date: 06/17/2021	Run No: 457700							
Sample Type: MBLK	TestCode: APPENDIX I METALS SW6020B	BatchID: 317214	Analysis Date: 06/21/2021	Seq No: 10479676							
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-317214	Client ID:	Units: mg/L	Prep Date: 06/17/2021	Run No: 457700							
Sample Type: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 317214	Analysis Date: 06/21/2021	Seq No: 10479677							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1053	0.00600	0.1000	0.001235	104	80	120				
Arsenic	0.1096	0.0100	0.1000		110	80	120				
Barium	0.1055	0.0200	0.1000		105	80	120				
Beryllium	0.1065	0.00400	0.1000		106	80	120				
Cadmium	0.1046	0.00500	0.1000		105	80	120				
Chromium	0.1143	0.0200	0.1000		114	80	120				
Cobalt	0.1152	0.0500	0.1000		115	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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317214

Sample ID: LCS-317214	Client ID:	Units: mg/L	Prep Date: 06/17/2021	Run No: 457700							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 317214	Analysis Date: 06/21/2021	Seq No: 10479677							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper	0.1096	0.0200	0.1000		110	80	120				
Lead	0.1134	0.0100	0.1000		113	80	120				
Nickel	0.1167	0.0400	0.1000		117	80	120				
Selenium	0.1056	0.0500	0.1000		106	80	120				
Silver	0.01198	0.00500	0.0100		120	80	120				
Thallium	0.1125	0.00200	0.1000		113	80	120				
Vanadium	0.1109	0.0500	0.1000		111	80	120				
Zinc	0.1098	0.0200	0.1000		110	80	120				

Sample ID: 2106I93-014AMS	Client ID: GWC-17	Units: mg/L	Prep Date: 06/17/2021	Run No: 457700							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 317214	Analysis Date: 06/21/2021	Seq No: 10479681							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1051	0.00600	0.1000	0.001211	104	75	125				
Arsenic	0.1087	0.0100	0.1000		109	75	125				
Barium	0.1429	0.0200	0.1000	0.03830	105	75	125				
Beryllium	0.1035	0.00400	0.1000		104	75	125				
Cadmium	0.1024	0.00500	0.1000	0.0002814	102	75	125				
Chromium	0.1127	0.0200	0.1000		113	75	125				
Cobalt	0.1193	0.0500	0.1000	0.005223	114	75	125				
Copper	0.1086	0.0200	0.1000		109	75	125				
Lead	0.1123	0.0100	0.1000		112	75	125				
Nickel	0.1190	0.0400	0.1000	0.002507	116	75	125				
Selenium	0.1044	0.0500	0.1000		104	75	125				
Silver	0.01138	0.00500	0.0100		114	75	125				
Thallium	0.1125	0.00200	0.1000	0.0004964	112	75	125				
Vanadium	0.1119	0.0500	0.1000		112	75	125				
Zinc	0.1094	0.0200	0.1000		109	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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317214

Sample ID: 2106I93-014AMSD	Client ID: GWC-17	Units: mg/L	Prep Date: 06/17/2021	Run No: 457700
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 317214	Analysis Date: 06/21/2021	Seq No: 10479682

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	0.1022	0.00600	0.1000	0.001211	101	75	125	0.1051	2.84	20	
Arsenic	0.1099	0.0100	0.1000		110	75	125	0.1087	1.03	20	
Barium	0.1438	0.0200	0.1000	0.03830	105	75	125	0.1429	0.627	20	
Beryllium	0.1024	0.00400	0.1000		102	75	125	0.1035	1.05	20	
Cadmium	0.1024	0.00500	0.1000	0.0002814	102	75	125	0.1024	0.039	20	
Chromium	0.1143	0.0200	0.1000		114	75	125	0.1127	1.41	20	
Cobalt	0.1201	0.0500	0.1000	0.005223	115	75	125	0.1193	0.699	20	
Copper	0.1051	0.0200	0.1000		105	75	125	0.1086	3.27	20	
Lead	0.1107	0.0100	0.1000		111	75	125	0.1123	1.46	20	
Nickel	0.1197	0.0400	0.1000	0.002507	117	75	125	0.1190	0.662	20	
Selenium	0.1055	0.0500	0.1000		106	75	125	0.1044	1.08	20	
Silver	0.01258	0.00500	0.0100		126	75	125	0.01138	10.0	20	S
Thallium	0.1122	0.00200	0.1000	0.0004964	112	75	125	0.1125	0.292	20	
Vanadium	0.1126	0.0500	0.1000		113	75	125	0.1119	0.632	20	
Zinc	0.1041	0.0200	0.1000		104	75	125	0.1094	4.92	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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317444

Sample ID: MB-317444	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457543							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317444	Analysis Date: 06/18/2021	Seq No: 10475981							
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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317444

Sample ID: MB-317444	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457543							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317444	Analysis Date: 06/18/2021	Seq No: 10475981							
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	50.71	0	50.00		101	74.9	127				
Surr: Dibromofluoromethane	50.77	0	50.00		102	78.9	121				
Surr: Toluene-d8	51.19	0	50.00		102	81.5	120				

Sample ID: LCS-317444	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457543							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317444	Analysis Date: 06/18/2021	Seq No: 10475982							
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 Rd
Workorder: 2106193

ANALYTICAL QC SUMMARY REPORT

BatchID: 317444

Sample ID: LCS-317444	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457543							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317444	Analysis Date: 06/18/2021	Seq No: 10475982							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	22.53	5.0	20.00		113	67.3	134				
Benzene	20.80	5.0	20.00		104	78.6	124				
Chlorobenzene	20.28	5.0	20.00		101	78.9	127				
Toluene	20.50	5.0	20.00		102	77.7	125				
Trichloroethene	21.88	5.0	20.00		109	77	130				
Surr: 4-Bromofluorobenzene	52.33	0	50.00		105	74.9	127				
Surr: Dibromofluoromethane	52.17	0	50.00		104	78.9	121				
Surr: Toluene-d8	52.33	0	50.00		105	81.5	120				

Sample ID: 2106193-028AMS	Client ID: GWC-3A	Units: ug/L	Prep Date: 06/18/2021	Run No: 457543							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317444	Analysis Date: 06/21/2021	Seq No: 10478835							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	23.86	5.0	20.00		119	67.6	143				
Benzene	21.62	5.0	20.00		108	70.5	136				
Chlorobenzene	20.47	5.0	20.00		102	77.1	133				
Toluene	21.34	5.0	20.00		107	66.4	140				
Trichloroethene	22.05	5.0	20.00		110	75.1	140				
Surr: 4-Bromofluorobenzene	52.96	0	50.00		106	74.9	127				
Surr: Dibromofluoromethane	52.70	0	50.00		105	78.9	121				
Surr: Toluene-d8	52.87	0	50.00		106	81.5	120				

Sample ID: 2106193-025ADUP	Client ID: GWC-7	Units: ug/L	Prep Date: 06/18/2021	Run No: 457543							
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317444	Analysis Date: 06/21/2021	Seq No: 10478834							
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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317444

Sample ID: 2106I93-025ADUP	Client ID: GWC-7	Units: ug/L	Prep Date: 06/18/2021	Run No: 457543
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317444	Analysis Date: 06/21/2021	Seq No: 10478834

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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317444

Sample ID: **2106I93-025ADUP** Client ID: **GWC-7** Units: **ug/L** Prep Date: **06/18/2021** Run No: **457543**
 SampleType: **DUP** TestCode: **APPENDIX I VOLATILE ORGANICS SW8260D** BatchID: **317444** Analysis Date: **06/21/2021** Seq No: **10478834**

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	51.32	0	50.00		103	74.9	127	50.58	0	0	
Surr: Dibromofluoromethane	51.47	0	50.00		103	78.9	121	50.31	0	0	
Surr: Toluene-d8	51.64	0	50.00		103	81.5	120	51.38	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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317497

Sample ID: MB-317497	Client ID:	Units: ug/L	Prep Date: 06/19/2021	Run No: 457616							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317497	Analysis Date: 06/19/2021	Seq No: 10477881							
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	46.59	0	50.00		93.2	74.9	127				
Surr: Dibromofluoromethane	48.28	0	50.00		96.6	78.9	121				
Surr: Toluene-d8	49.35	0	50.00		98.7	81.5	120				

Sample ID: MB-317497	Client ID:	Units: ug/L	Prep Date: 06/19/2021	Run No: 457616							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317497	Analysis Date: 06/19/2021	Seq No: 10478097							
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									

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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317497

Sample ID: MB-317497	Client ID:	Units: ug/L	Prep Date: 06/19/2021	Run No: 457616							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317497	Analysis Date: 06/19/2021	Seq No: 10478097							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

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									
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									

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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317497

Sample ID: MB-317497	Client ID:	Units: ug/L	Prep Date: 06/19/2021	Run No: 457616							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317497	Analysis Date: 06/19/2021	Seq No: 10478097							
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									
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									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	42.07	0	50.00		84.1	74.9	127				
Surr: Dibromofluoromethane	48.56	0	50.00		97.1	78.9	121				
Surr: Toluene-d8	48.23	0	50.00		96.5	81.5	120				

Sample ID: LCS-317497	Client ID:	Units: ug/L	Prep Date: 06/19/2021	Run No: 457616							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317497	Analysis Date: 06/19/2021	Seq No: 10477882							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	23.77	2.0	20.00		119	67.3	134				
Benzene	21.65	1.0	20.00		108	78.6	124				
Chlorobenzene	19.88	1.0	20.00		99.4	78.9	127				
Toluene	20.46	1.0	20.00		102	77.7	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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317497

Sample ID: LCS-317497	Client ID:	Units: ug/L	Prep Date: 06/19/2021	Run No: 457616							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317497	Analysis Date: 06/19/2021	Seq No: 10477882							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Trichloroethene	20.97	1.0	20.00		105	77	130				
Surr: 4-Bromofluorobenzene	44.25	0	50.00		88.5	74.9	127				
Surr: Dibromofluoromethane	48.55	0	50.00		97.1	78.9	121				
Surr: Toluene-d8	47.79	0	50.00		95.6	81.5	120				

Sample ID: 2106F46-004AMS	Client ID:	Units: ug/L	Prep Date: 06/19/2021	Run No: 457616							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317497	Analysis Date: 06/21/2021	Seq No: 10478180							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	24.73	2.0	20.00		124	67.6	143				
Benzene	22.62	1.0	20.00		113	70.5	136				
Chlorobenzene	21.08	1.0	20.00		105	77.1	133				
Toluene	22.28	1.0	20.00		111	66.4	140				
Trichloroethene	22.14	1.0	20.00		111	75.1	140				
Surr: 4-Bromofluorobenzene	43.56	0	50.00		87.1	74.9	127				
Surr: Dibromofluoromethane	48.91	0	50.00		97.8	78.9	121				
Surr: Toluene-d8	48.88	0	50.00		97.8	81.5	120				

Sample ID: 2106F46-004AMSD	Client ID:	Units: ug/L	Prep Date: 06/19/2021	Run No: 457616							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317497	Analysis Date: 06/21/2021	Seq No: 10478181							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	24.57	2.0	20.00		123	67.6	143	24.73	0.649	19.6	
Benzene	22.39	1.0	20.00		112	70.5	136	22.62	1.02	20	
Chlorobenzene	20.91	1.0	20.00		105	77.1	133	21.08	0.810	20	
Toluene	21.31	1.0	20.00		107	66.4	140	22.28	4.45	20	
Trichloroethene	21.23	1.0	20.00		106	75.1	140	22.14	4.20	20	
Surr: 4-Bromofluorobenzene	44.96	0	50.00		89.9	74.9	127	43.56	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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317497

Sample ID: 2106F46-004AMSD	Client ID:	Units: ug/L	Prep Date: 06/19/2021	Run No: 457616							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317497	Analysis Date: 06/21/2021	Seq No: 10478181							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: Dibromofluoromethane	49.91	0	50.00		99.8	78.9	121	48.91	0	0	
Surr: Toluene-d8	49.13	0	50.00		98.3	81.5	120	48.88	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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317499

Sample ID: MB-317499	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457630							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317499	Analysis Date: 06/18/2021	Seq No: 10482086							
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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317499

Sample ID: MB-317499	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457630							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317499	Analysis Date: 06/18/2021	Seq No: 10482086							
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	50.61	0	50.00		101	74.9	127				
Surr: Dibromofluoromethane	55.73	0	50.00		111	78.9	121				
Surr: Toluene-d8	46.59	0	50.00		93.2	81.5	120				

Sample ID: LCS-317499	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457630							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317499	Analysis Date: 06/18/2021	Seq No: 10482087							
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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317499

Sample ID: LCS-317499	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457630							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317499	Analysis Date: 06/18/2021	Seq No: 10482087							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	21.02	5.0	20.00		105	67.3	134				
Benzene	19.96	5.0	20.00		99.8	78.6	124				
Chlorobenzene	19.92	5.0	20.00		99.6	78.9	127				
Toluene	18.11	5.0	20.00		90.6	77.7	125				
Trichloroethene	19.61	5.0	20.00		98.0	77	130				
Surr: 4-Bromofluorobenzene	49.29	0	50.00		98.6	74.9	127				
Surr: Dibromofluoromethane	54.99	0	50.00		110	78.9	121				
Surr: Toluene-d8	48.33	0	50.00		96.7	81.5	120				

Sample ID: 2106I21-009AMS	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457630							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317499	Analysis Date: 06/21/2021	Seq No: 10483194							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	234.6	50	200.0	12.00	111	67.6	143				
Benzene	204.6	50	200.0		102	70.5	136				
Chlorobenzene	204.2	50	200.0		102	77.1	133				
Toluene	182.2	50	200.0		91.1	66.4	140				
Trichloroethene	514.7	50	200.0	341.6	86.6	75.1	140				
Surr: 4-Bromofluorobenzene	500.3	0	500.0		100	74.9	127				
Surr: Dibromofluoromethane	586.1	0	500.0		117	78.9	121				
Surr: Toluene-d8	479.2	0	500.0		95.8	81.5	120				

Sample ID: 2106I21-009AMSD	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457630							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317499	Analysis Date: 06/21/2021	Seq No: 10483195							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	210.0	50	200.0	12.00	99.0	67.6	143	234.6	11.1	19.6	
Benzene	194.0	50	200.0		97.0	70.5	136	204.6	5.32	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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317499

Sample ID: 2106I21-009AMSD	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457630							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317499	Analysis Date: 06/21/2021	Seq No: 10483195							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	200.5	50	200.0		100	77.1	133	204.2	1.83	20	
Toluene	176.5	50	200.0		88.2	66.4	140	182.2	3.18	20	
Trichloroethene	511.7	50	200.0	341.6	85.0	75.1	140	514.7	0.585	20	
Surr: 4-Bromofluorobenzene	499.4	0	500.0		99.9	74.9	127	500.3	0	0	
Surr: Dibromofluoromethane	555.4	0	500.0		111	78.9	121	586.1	0	0	
Surr: Toluene-d8	474.9	0	500.0		95.0	81.5	120	479.2	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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317611

Sample ID: MB-317611	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457799							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317611	Analysis Date: 06/21/2021	Seq No: 10482148							
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									
Acetonitrile	BRL	100									
Acrolein	BRL	20									
Acrylonitrile	BRL	5.0									
Allyl Chloride	BRL	10									
Benzene	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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317611

Sample ID: MB-317611	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457799							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317611	Analysis Date: 06/21/2021	Seq No: 10482148							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

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									
Chloroprene	BRL	20									
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									
Ethyl Methacrylate	BRL	10									
Ethylbenzene	BRL	1.0									
Iodomethane	BRL	2.0									
Isobutyl Alcohol	BRL	200									
Methyl Methacrylate	BRL	10									
Methylacrylonitrile	BRL	200									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
Propionitrile	BRL	100									
Styrene	BRL	1.0									
Tetrachloroethene	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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317611

Sample ID: MB-317611	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457799							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317611	Analysis Date: 06/21/2021	Seq No: 10482148							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

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	42.74	0	50.00		85.5	74.9	127				
Surr: Dibromofluoromethane	47.34	0	50.00		94.7	78.9	121				
Surr: Toluene-d8	48.32	0	50.00		96.6	81.5	120				

Sample ID: MB-317611	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457799							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317611	Analysis Date: 06/21/2021	Seq No: 10483174							
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									

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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317611

Sample ID: LCS-317611	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457799							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317611	Analysis Date: 06/21/2021	Seq No: 10482165							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	23.06	2.0	20.00		115	67.3	134				
Benzene	21.69	1.0	20.00		108	78.6	124				
Chlorobenzene	20.49	1.0	20.00		102	78.9	127				
Toluene	20.97	1.0	20.00		105	77.7	125				
Trichloroethene	20.78	1.0	20.00		104	77	130				
Surr: 4-Bromofluorobenzene	44.56	0	50.00		89.1	74.9	127				
Surr: Dibromofluoromethane	47.90	0	50.00		95.8	78.9	121				
Surr: Toluene-d8	47.65	0	50.00		95.3	81.5	120				

Sample ID: 2106I93-012AMS	Client ID: GWC-17	Units: ug/L	Prep Date: 06/21/2021	Run No: 457799							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317611	Analysis Date: 06/22/2021	Seq No: 10482746							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	23.79	2.0	20.00		119	67.6	143				
Benzene	22.19	1.0	20.00		111	70.5	136				
Chlorobenzene	19.71	1.0	20.00		98.6	77.1	133				
Toluene	20.76	1.0	20.00		104	66.4	140				
Trichloroethene	21.34	1.0	20.00		107	75.1	140				
Surr: 4-Bromofluorobenzene	42.23	0	50.00		84.5	74.9	127				
Surr: Dibromofluoromethane	47.06	0	50.00		94.1	78.9	121				
Surr: Toluene-d8	47.72	0	50.00		95.4	81.5	120				

Sample ID: 2106I93-012AMSD	Client ID: GWC-17	Units: ug/L	Prep Date: 06/21/2021	Run No: 457799							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317611	Analysis Date: 06/22/2021	Seq No: 10482747							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	23.60	2.0	20.00		118	67.6	143	23.79	0.802	19.6	
Benzene	21.61	1.0	20.00		108	70.5	136	22.19	2.65	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County- Hightower Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317611

Sample ID: 2106I93-012AMSD	Client ID: GWC-17	Units: ug/L	Prep Date: 06/21/2021	Run No: 457799
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317611	Analysis Date: 06/22/2021	Seq No: 10482747

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	20.37	1.0	20.00		102	77.1	133	19.71	3.29	20	
Toluene	20.82	1.0	20.00		104	66.4	140	20.76	0.289	20	
Trichloroethene	20.98	1.0	20.00		105	75.1	140	21.34	1.70	20	
Surr: 4-Bromofluorobenzene	43.63	0	50.00		87.3	74.9	127	42.23	0	0	
Surr: Dibromofluoromethane	47.28	0	50.00		94.6	78.9	121	47.06	0	0	
Surr: Toluene-d8	48.42	0	50.00		96.8	81.5	120	47.72	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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317643

Sample ID: MB-317643	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457725							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317643	Analysis Date: 06/18/2021	Seq No: 10480089							
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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317643

Sample ID: MB-317643	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457725							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317643	Analysis Date: 06/18/2021	Seq No: 10480089							
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	49.02	0	50.00		98.0	74.9	127				
Surr: Dibromofluoromethane	56.35	0	50.00		113	78.9	121				
Surr: Toluene-d8	46.48	0	50.00		93.0	81.5	120				

Sample ID: LCS-317643	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457725							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317643	Analysis Date: 06/18/2021	Seq No: 10480090							
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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317643

Sample ID: LCS-317643	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457725							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317643	Analysis Date: 06/18/2021	Seq No: 10480090							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	22.15	5.0	20.00		111	67.3	134				
Benzene	20.85	5.0	20.00		104	78.6	124				
Chlorobenzene	21.33	5.0	20.00		107	78.9	127				
Toluene	18.39	5.0	20.00		92.0	77.7	125				
Trichloroethene	20.10	5.0	20.00		100	77	130				
Surr: 4-Bromofluorobenzene	48.36	0	50.00		96.7	74.9	127				
Surr: Dibromofluoromethane	52.85	0	50.00		106	78.9	121				
Surr: Toluene-d8	47.74	0	50.00		95.5	81.5	120				

Sample ID: 2106I95-003AMS	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457898							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317643	Analysis Date: 06/23/2021	Seq No: 10485146							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	2226	500	2000		111	67.6	143				
Benzene	1974	500	2000		98.7	70.5	136				
Chlorobenzene	1999	500	2000		100.0	77.1	133				
Toluene	1946	500	2000		97.3	66.4	140				
Trichloroethene	10230	500	2000	8707	75.9	75.1	140				
Surr: 4-Bromofluorobenzene	5069	0	5000		101	74.9	127				
Surr: Dibromofluoromethane	5193	0	5000		104	78.9	121				
Surr: Toluene-d8	5180	0	5000		104	81.5	120				

Sample ID: 2106I95-003AMSD	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457898							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317643	Analysis Date: 06/23/2021	Seq No: 10485149							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	2343	500	2000		117	67.6	143	2226	5.12	19.6	
Benzene	2064	500	2000		103	70.5	136	1974	4.46	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 Rd
Workorder: 2106I93

ANALYTICAL QC SUMMARY REPORT

BatchID: 317643

Sample ID: 2106I95-003AMSD	Client ID:	Units: ug/L	Prep Date: 06/18/2021	Run No: 457898
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317643	Analysis Date: 06/23/2021	Seq No: 10485149

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2087	500	2000		104	77.1	133	1999	4.31	20	
Toluene	2035	500	2000		102	66.4	140	1946	4.47	20	
Trichloroethene	10710	500	2000	8707	100	75.1	140	10230	4.65	20	
Surr: 4-Bromofluorobenzene	5086	0	5000		102	74.9	127	5069	0	0	
Surr: Dibromofluoromethane	5205	0	5000		104	78.9	121	5193	0	0	
Surr: Toluene-d8	5173	0	5000		103	81.5	120	5180	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 12, 2021

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

RE: Forsyth Co. Hightower Rd.

Dear Charles Adams:

Order No: 2106029

Analytical Environmental Services, Inc. received 61 samples on 6/18/2021 10:15:00 AM
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 07/01/20-06/30/21.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/21 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 11/01/21.

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,


Jessica Shilling
Project Manager


Revision 7/12/2021

CHAIN OF CUSTODY

COMPANY: Atlantic Coast Consulting, Inc.		ADDRESS: 1150 Northmeadow Pkwy. Suite 100 Roswell, GA 30075			ANALYSIS REQUESTED								Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers			
PHONE: 770-594-5998		EMAIL: charles.adams@atlcc.net			App I VOCs	App II VOCs	App I Metals	SVOCs										
SAMPLED BY: Hunter Auld		SIGNATURE: <i>H. Auld</i>																
		SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)									REMARKS		
#	SAMPLE ID	DATE	TIME															
1	GWC-3	6-16-21	0915	✓			GW	✓									1	
2	GWC-1	6-16-21	0920	✓			GW	✓									1	
3	GWC-2	6-16-21	0930	✓			GW	✓									1	
4	GWC-12	6-16-21	0935	✓			GW	✓									1	
5	GWC-12A	6-16-21	0940	✓			GW	✓									1	
6	GWC-11	6-16-21	0945	✓			GW	✓									1	
7	GWC-10A	6-16-21	0950	✓			GW	✓									1	
8	GWC-10	6-16-21	0955	✓			GW	✓									1	
9	GWC-9	6-16-21	1000	✓			GW	✓									1	
10	GWC-6	6-16-21	1010	✓			GW	✓									1	
11	AMW-1	6-16-21	1130	✓			GW	✓	✓								3	
12	AMW-2	6-16-21	1250	✓			GW	✓	✓								3	
13	GWC-14R	6-16-21	1415	✓			GW	✓	✓								4	
14	Field Blank 2	6-16-21	1430 (P)	✓			W	✓	✓								3	
RELINQUISHED BY: <i>[Signature]</i>		DATE/TIME: 6/18/21 10:15		RECEIVED BY: <i>[Signature]</i>		DATE/TIME: 6.18 @ 10:15		PROJECT INFORMATION						RECEIPT				
1.		2.		3.		PROJECT NAME: Forsyth Co. Hightower Rd.						Total # of Containers: 23						
2.		3.		SITE ADDRESS:						Turnaround Time (TAT) Request in Business Days								
3.		3.		SEND REPORT TO: Charles Adams						<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Same-Day Rush* (auth req.)								
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD				INVOICE TO (IF DIFFERENT FROM ABOVE):						REGULATORY PROGRAM (if any):						
		OUT: / / VIA: IN: / / VIA: (Client) FedEx UPS US mail courier other: _____				QUOTE #: _____ PO#: _____						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: <u>Atlantic Coast Consulting</u>		ADDRESS: <u>1150 Northmeadow Pkwy</u>			ANALYSIS REQUESTED								Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers						
PHONE: <u>(770) 594-5998</u>		EMAIL: <u>Charles.adams@atccen.net</u>			App I VOCs	App II VOCs	App I Metals	SVOCs												
SAMPLED BY: <u>Z Davis / H Auld</u>		SIGNATURE: 							PRESERVATION (see codes)											
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)									REMARKS					
		DATE	TIME																	
1	GWC-8	6-16	1305	✓		GW	✓													2
2	GWC-8A	6-16	1520	✓		GW	✓													2
3	GWC-8R	6-16	1545	✓		GW	✓	✓												4
4	PHI-GWA-2	6-16	1310	✓		GW	✓													2
5	PHI-GWA-4	6-16	1435	✓		GW	✓													2
6	PHI-GWB-2	6-16	1445	✓		GW	✓													2
7	PHI-GWE-1	6-16	1215	✓		GW	✓													2
8	AMW-9	6-16	1210	✓		GW	✓	✓	✓											2
9	GWC-4	6-16	1055	✓		GW	✓													2
10	RWA-2	6-16	1000	✓		GW			✓											1
11	GWC-5	6-16	0930	✓		GW			✓											1
12	GWC-7	6-16	0920	✓		GW			✓											1
13	GWC-13	6-16	0945	✓		GW			✓											1
14	GWC-14	6-16	0935	✓		GW			✓											1

RELINQUISHED BY: 		DATE/TIME: <u>6/18/21 1015</u>		RECEIVED BY: <u>C. Quintero</u>		DATE/TIME: <u>6.18 @ 10:15</u>		PROJECT INFORMATION				RECEIPT	
1.				2.		3.		PROJECT NAME: <u>Forsyth Co - Hightower Rd</u>				Total # of Containers: <u>25</u>	
2.				3.				PROJECT #:				Turnaround Time (TAT) Request in Business Days	
3.								SITE ADDRESS:				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush* (auth req.)	
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				SEND REPORT TO: <u>Charles Adams</u>				*Surcharges apply for Rush TAT	
				OUT: / / VIA:				INVOICE TO (IF DIFFERENT FROM ABOVE):				REGULATORY PROGRAM (if any):	
				IN: / / VIA:				QUOTE #: _____ PO#: _____				DATA PACKAGE: I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/>	
				<input checked="" type="checkbox"/> Client <input type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> US mail <input type="checkbox"/> courier other: _____									

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CHAIN OF CUSTODY

COMPANY: Attentz Coast Consulting		ADDRESS: 1150 North McEwen Hwy.			ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AES Access account.		Number of Containers																	
PHONE: (770) 544-5998		EMAIL: Charles.adams@attentz.com			<table border="1" style="width:100%; height: 100px;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">App I Voc</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">App I Met</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">App II Voc</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Suoc</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Potassium</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 I Voc	App I Met	App II Voc	Suoc	Potassium												
App I Voc	App I Met	App II Voc	Suoc	Potassium																														
SAMPLED BY: J. Davis		SIGNATURE:			PRESERVATION (see codes)										REMARKS																			
#	SAMPLE ID	DATE	TIME	GRAB	COMPOSITE	MATRIX (see codes)																												
1	GWC-14A	6-16	0940	✓		GW	✓													1														
2	AMW-1Z	6-16	0955	✓		GW														1														
3	AMW-1ZB	6-16	1000	✓		GW														1														
4	SWC-4A	6-16	1010	✓		SW	✓													2														
5	SWC-4B	6-16	1030	✓		SW	✓													2														
6	PHI-GWC-1	6-16	1215	✓		GW	2													2														
7	PHI-GWC-1	6-17	0920	✓		GW	1													1														
8	PHI-GWC-4	6-16	1100	✓		GW	2													2														
9	PHI-GWA-1	6-16	0930	✓		GW	1													1														
10	PHI-GWA-1A	6-16	0933	✓		GW	1													1														
11	PHI-GWA-2	6-17	0905	✓		GW	1													1														
12	PHI-GWA-4	6-17	0940	✓		GW	1													1														
13	PHI-GWB-2	6-17	0930	✓		GW	1													1														
14	PHI-GWC-4	6-17	0910	✓		GW	1													1														
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION										RECEIPT																
1.		6/18/21 10:15		1.		6.18 e 10:15		PROJECT NAME: Forsyth Co - Hightower Rd										Total # of Containers: 18																
2.				2.				PROJECT #:										Turnaround Time (TAT) Request in Business Days																
3.				3.				SITE ADDRESS:										<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush* (auth req.)																
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				SEND REPORT TO: Charles Adams										*Surcharges apply for Rush TAT																
				OUT: / / VIA:				INVOICE TO (IF DIFFERENT FROM ABOVE):										REGULATORY PROGRAM (if any):																
				IN: / / VIA:				QUOTE #: _____ PO#: _____										DATA PACKAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> O																
				<input checked="" type="radio"/> Client <input type="radio"/> FedEx <input type="radio"/> UPS <input type="radio"/> US mail <input type="radio"/> courier other: _____																														

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: Atlanta Coast Consulting		ADDRESS: 1150 North meadow Pkwy 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) 544-5445		EMAIL: Charles.Adams@atcc.net					<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;">App 1 VOC</td><td style="width:5%;">App 1 MET</td><td style="width:5%;">App 11 VOC</td><td style="width:5%;">SW Metals</td><td style="width:5%;">Chloride</td><td style="width:5%;">Cyanide</td><td style="width:5%;">COD</td><td style="width:5%;">TOC</td><td style="width:5%;"></td><td style="width:5%;"></td><td style="width:5%;"></td><td style="width:5%;"></td><td style="width:5%;"></td><td style="width:5%;"></td><td style="width:5%;"></td><td style="width:5%;"></td><td style="width:5%;"></td><td style="width:5%;"></td><td style="width:5%;"></td><td style="width:5%;"></td> </tr> <tr> <td colspan="20">PRESERVATION (see codes)</td> </tr> </table>													App 1 VOC	App 1 MET	App 11 VOC	SW Metals	Chloride	Cyanide	COD	TOC													PRESERVATION (see codes)																
App 1 VOC	App 1 MET	App 11 VOC	SW Metals	Chloride	Cyanide	COD	TOC																																																	
PRESERVATION (see codes)																																																								
SAMPLED BY: JDwb		SIGNATURE:															REMARKS																																							
#	SAMPLE ID	DATE	TIME	GRAB	COMPOSITE	MATRIX (see codes)																																																		
1	Amw-a	G-17	0935	X		GW	1															1																																		
2	GWA-1	G-16	0945	X		GW	1															1																																		
3	GWC-4	G-17	0955	X		GW	1															1																																		
4	GWC-11A	G-16	0940	X		GW	1														1	1																																		
5	SWC-1	G-17	1020	X		SW	2		1	1	1	1	2									8																																		
6	SWC-4	G-17	1045	X		SW	2		1	1	1	1	2									8																																		
7	SWA-2	G-17	1110	X		SW			1	1	1	1	2									6																																		
8	SWA-1	G-17	1145	X		SW			1	1	1	1	2									6																																		
9	SWC-6	G-17	1200	X		SW	2		1	1	1	1	2									8																																		
10	SWC-5	G-17	1215	X		SW			1	1	1	1	2									6																																		
11	SWC-2	G-17	1245	X		SW			1	1	1	1	2									6																																		
12	SWC-3	G-17	1250	X		SW			1	1	1	1	2									6																																		
13	GWC-8	G-17	0900	X		GW	1															1																																		
14	GWC-8A	G-17	0905	X		GW	1															1																																		

RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION				RECEIPT	
1.		6/16/21 10:18		2.		6.18 @ 10:18		PROJECT NAME: Forsyth Co - Hightower Rd				Total # of Containers 60	
3.				3.				PROJECT #:				Turnaround Time (TAT) Request in Business Days	
								SITE ADDRESS:				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush* (auth req.) *Surcharges apply for Rush TAT	
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				SEND REPORT TO: Charles Adams				REGULATORY PROGRAM (if any):	
				OUT: / / VIA:				INVOICE TO (IF DIFFERENT FROM ABOVE):				DATA PACKAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> O	
				IN: / / VIA:				QUOTE #:				PO#:	
				Client FedEx UPS US mail courier									

CHAIN OF CUSTODY

COMPANY: <i>Atlantic Coast Consulting, Inc.</i>		ADDRESS: <i>1150 Northmeadow Pkwy Ste. 100 Roswell, GA 30075</i>					ANALYSIS REQUESTED							Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AES Access account.	Number of Containers					
PHONE: <i>770-594-5998</i>	EMAIL: <i>hunter.aid@d@atcc.net</i> ^{<i>charles.adams</i>}					APP I VOC APP II VOC APP I Metals	PRESERVATION (see codes)									REMARKS				
SAMPLED BY: <i>Hunter Auld</i>	SIGNATURE: <i>H. Auld</i>														#		SAMPLE ID	SAMPLED:		GRAB
	DATE	TIME																		
1	<i>PH1-GWC-2</i>	<i>6-17</i>	<i>1055</i>	<input checked="" type="checkbox"/>		<i>GW</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									<i>3</i>			
2	<i>GWA-1A</i>	<i>6-17</i>	<i>1000</i>	<input checked="" type="checkbox"/>		<i>GW</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									<i>3</i>			
3	<i>GWC-4A</i>	<i>6-17</i>	<i>1225</i>	<input checked="" type="checkbox"/>		<i>GW</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									<i>3</i>			
4	<i>Trip Blank</i>	<i>---</i>	<i>---</i>	<input checked="" type="checkbox"/>		<i>W</i>	<input checked="" type="checkbox"/>										<i>2</i>			
5	<i>GWC-4A</i>	<i>6-18</i>	<i>0925</i>	<input checked="" type="checkbox"/>		<i>GW</i>		<input checked="" type="checkbox"/>												
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
RELINQUISHED BY: <i>[Signature]</i>		DATE/TIME: <i>6/18/21 10:15</i>	RECEIVED BY: <i>[Signature]</i>		DATE/TIME: <i>6.18 @ 10:15</i>	PROJECT INFORMATION PROJECT NAME: <i>Forsyth Co. Hightower Rd.</i>							RECEIPT Total # of Containers <i>11</i>							
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD OUT: <i>/ /</i> VIA: IN: <i>/ /</i> VIA: <i>Client</i> FedEx UPS US mail courier other: _____		SEND REPORT TO: <i>Charles Add Adams</i>		SITE ADDRESS: INVOICE TO (IF DIFFERENT FROM ABOVE):							Turnaround Time (TAT) Request <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 _____							
		QUOTE #:		PO#:		REGULATORY PROGRAM (if any):							DATA PACKAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> O							

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Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water ST = Stormwater WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

Client: Atlantic Coast Consulting, Inc.

Project: Forsyth Co. Hightower Rd.

Lab ID: 2106O29

Case Narrative

Sample Receiving Nonconformance:

Sample 2106O29-017B (GWC-8R) requested App I Metals instead of SVOCs. Per Betsy McDaniel via email on 6/18/2021 at 12:10 PM, analyze for SVOCs.

Metals analysis was requested twice for sample GWC-4A. Per Betsy McDaniel via email on 6/18/2021 at 12:10 PM, log in metals as collected 6/18/2021 at 9:25 AM.

REPORT REVISION:

Per Betsy McDaniel via email on 7/2/2021 at 3:28 PM, potassium is to be added to sample 2106O29-043.

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-3
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 9:15:00 AM
Lab ID: 2106O29-001	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	317632	1	06/25/2021 19:06	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 19:06	AS
Barium	BRL	0.0200		mg/L	317632	1	06/25/2021 19:06	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 19:06	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 19:06	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:06	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 19:06	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 19:06	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 19:06	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 19:06	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:06	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 19:06	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 19:06	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 19:06	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 19:06	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 9:20:00 AM
Lab ID: 2106O29-002	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	317632	1	06/25/2021 19:09	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 19:09	AS
Barium	0.0861	0.0200		mg/L	317632	1	06/25/2021 19:09	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 19:09	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 19:09	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:09	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 19:09	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 19:09	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 19:09	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 19:09	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:09	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 19:09	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 19:09	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 19:09	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 19:09	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 9:30:00 AM
Lab ID: 2106O29-003	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	317632	1	06/25/2021 18:26	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 18:26	AS
Barium	BRL	0.0200		mg/L	317632	1	06/25/2021 18:26	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 18:26	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 18:26	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 18:26	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 18:26	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 18:26	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 18:26	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 18:26	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 18:26	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 18:26	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 18:26	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 18:26	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 18:26	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 9:35:00 AM
Lab ID: 2106O29-004	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	317632	1	06/25/2021 19:13	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 19:13	AS
Barium	BRL	0.0200		mg/L	317632	1	06/25/2021 19:13	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 19:13	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 19:13	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:13	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 19:13	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 19:13	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 19:13	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 19:13	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:13	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 19:13	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 19:13	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 19:13	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 19:13	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date:	6/16/2021 9:45:00 AM
Lab ID:	2106O29-006	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	317632	1	06/25/2021 19:20	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 19:20	AS
Barium	0.0221	0.0200		mg/L	317632	1	06/25/2021 19:20	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 19:20	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 19:20	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:20	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 19:20	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 19:20	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 19:20	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 19:20	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:20	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 19:20	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 19:20	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 19:20	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 19:20	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 9:50:00 AM
Lab ID: 2106O29-007	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	317632	1	06/25/2021 19:23	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 19:23	AS
Barium	0.0315	0.0200		mg/L	317632	1	06/25/2021 19:23	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 19:23	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 19:23	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:23	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 19:23	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 19:23	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 19:23	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 19:23	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:23	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 19:23	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 19:23	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 19:23	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 19:23	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.
Lab ID: 2106O29-008

Client Sample ID: GWC-10
Collection Date: 6/16/2021 9:55:00 AM
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	317632	1	06/25/2021 19:27	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 19:27	AS
Barium	BRL	0.0200		mg/L	317632	1	06/25/2021 19:27	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 19:27	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 19:27	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:27	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 19:27	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 19:27	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 19:27	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 19:27	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:27	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 19:27	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 19:27	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 19:27	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 19:27	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 10:00:00 AM
Lab ID: 2106O29-009	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	317632	1	06/25/2021 19:31	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 19:31	AS
Barium	0.0643	0.0200		mg/L	317632	1	06/25/2021 19:31	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 19:31	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 19:31	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:31	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 19:31	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 19:31	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 19:31	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 19:31	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:31	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 19:31	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 19:31	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 19:31	AS
Zinc	0.0418	0.0200		mg/L	317632	1	06/25/2021 19:31	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 10:10:00 AM
Lab ID: 2106O29-010	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	317632	1	06/25/2021 19:34	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 19:34	AS
Barium	BRL	0.0200		mg/L	317632	1	06/25/2021 19:34	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 19:34	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 19:34	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:34	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 19:34	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 19:34	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 19:34	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 19:34	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:34	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 19:34	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 19:34	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 19:34	AS
Zinc	0.0790	0.0200		mg/L	317632	1	06/25/2021 19:34	AS

Qualifiers:

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- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 11:30:00 AM
Lab ID: 2106O29-011	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	317693	1	06/23/2021 12:26	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
1,1-Dichloroethane	42	2.0		ug/L	317693	1	06/23/2021 12:26	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317693	1	06/23/2021 12:26	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317693	1	06/23/2021 12:26	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
2-Butanone	BRL	100		ug/L	317693	1	06/23/2021 12:26	OM
2-Hexanone	BRL	50		ug/L	317693	1	06/23/2021 12:26	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317693	1	06/23/2021 12:26	OM
Acetone	BRL	100		ug/L	317693	1	06/23/2021 12:26	OM
Acetonitrile	BRL	200		ug/L	317693	1	06/23/2021 12:26	OM
Acrolein	BRL	50		ug/L	317693	1	06/23/2021 12:26	OM
Acrylonitrile	BRL	50		ug/L	317693	1	06/23/2021 12:26	OM
Allyl Chloride	BRL	100		ug/L	317693	1	06/23/2021 12:26	OM
Benzene	3.9	2.0		ug/L	317693	1	06/23/2021 12:26	OM
Bromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Bromodichloromethane	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Bromoform	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Bromomethane	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Carbon disulfide	BRL	5.0		ug/L	317693	1	06/23/2021 12:26	OM
Carbon tetrachloride	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
Chlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Chloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
Chloroform	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
Chloromethane	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Chloroprene	BRL	20		ug/L	317693	1	06/23/2021 12:26	OM
cis-1,2-Dichloroethene	130	2.0		ug/L	317693	1	06/23/2021 12:26	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
Dibromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Dibromomethane	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Dichlorodifluoromethane	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Ethyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Ethylbenzene	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	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: AMW-1
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 11:30:00 AM
Lab ID: 2106O29-011	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	317693	1	06/23/2021 12:26	OM
Isobutyl Alcohol	BRL	200		ug/L	317693	1	06/23/2021 12:26	OM
Methyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Methylacrylonitrile	BRL	200		ug/L	317693	1	06/23/2021 12:26	OM
Methylene chloride	BRL	5.0		ug/L	317693	1	06/23/2021 12:26	OM
Naphthalene	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Propionitrile	BRL	100		ug/L	317693	1	06/23/2021 12:26	OM
Styrene	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Tetrachloroethene	29	2.0		ug/L	317693	1	06/23/2021 12:26	OM
Toluene	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317693	1	06/23/2021 12:26	OM
Trichloroethene	71	2.0		ug/L	317693	1	06/23/2021 12:26	OM
Trichlorofluoromethane	BRL	10		ug/L	317693	1	06/23/2021 12:26	OM
Vinyl acetate	BRL	100		ug/L	317693	1	06/23/2021 12:26	OM
Vinyl chloride	BRL	2.0		ug/L	317693	1	06/23/2021 12:26	OM
Xylenes, Total	BRL	5.0		ug/L	317693	1	06/23/2021 12:26	OM
Surr: 4-Bromofluorobenzene	85.7	74.9-127		%REC	317693	1	06/23/2021 12:26	OM
Surr: Dibromofluoromethane	91.2	78.9-121		%REC	317693	1	06/23/2021 12:26	OM
Surr: Toluene-d8	95.8	81.5-120		%REC	317693	1	06/23/2021 12:26	OM

APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	317632	1	06/25/2021 19:59	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 19:59	AS
Barium	0.0694	0.0200		mg/L	317632	1	06/25/2021 19:59	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 19:59	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 19:59	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:59	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 19:59	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 19:59	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 19:59	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 19:59	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 19:59	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 19:59	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 19:59	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 19:59	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 19:59	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 12:50:00 PM
Lab ID: 2106O29-012	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	317693	1	06/23/2021 12:50	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317693	1	06/23/2021 12:50	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317693	1	06/23/2021 12:50	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
2-Butanone	BRL	100		ug/L	317693	1	06/23/2021 12:50	OM
2-Hexanone	BRL	50		ug/L	317693	1	06/23/2021 12:50	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317693	1	06/23/2021 12:50	OM
Acetone	BRL	100		ug/L	317693	1	06/23/2021 12:50	OM
Acetonitrile	BRL	200		ug/L	317693	1	06/23/2021 12:50	OM
Acrolein	BRL	50		ug/L	317693	1	06/23/2021 12:50	OM
Acrylonitrile	BRL	50		ug/L	317693	1	06/23/2021 12:50	OM
Allyl Chloride	BRL	100		ug/L	317693	1	06/23/2021 12:50	OM
Benzene	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
Bromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Bromodichloromethane	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Bromoform	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Bromomethane	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Carbon disulfide	BRL	5.0		ug/L	317693	1	06/23/2021 12:50	OM
Carbon tetrachloride	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
Chlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Chloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
Chloroform	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
Chloromethane	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Chloroprene	BRL	20		ug/L	317693	1	06/23/2021 12:50	OM
cis-1,2-Dichloroethene	2.1	2.0		ug/L	317693	1	06/23/2021 12:50	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
Dibromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Dibromomethane	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Dichlorodifluoromethane	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Ethyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Ethylbenzene	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	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: AMW-2
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 12:50:00 PM
Lab ID: 2106O29-012	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	317693	1	06/23/2021 12:50	OM
Isobutyl Alcohol	BRL	200		ug/L	317693	1	06/23/2021 12:50	OM
Methyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Methylacrylonitrile	BRL	200		ug/L	317693	1	06/23/2021 12:50	OM
Methylene chloride	BRL	5.0		ug/L	317693	1	06/23/2021 12:50	OM
Naphthalene	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Propionitrile	BRL	100		ug/L	317693	1	06/23/2021 12:50	OM
Styrene	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Tetrachloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
Toluene	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317693	1	06/23/2021 12:50	OM
Trichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
Trichlorofluoromethane	BRL	10		ug/L	317693	1	06/23/2021 12:50	OM
Vinyl acetate	BRL	100		ug/L	317693	1	06/23/2021 12:50	OM
Vinyl chloride	BRL	2.0		ug/L	317693	1	06/23/2021 12:50	OM
Xylenes, Total	BRL	5.0		ug/L	317693	1	06/23/2021 12:50	OM
Surr: 4-Bromofluorobenzene	85.5	74.9-127		%REC	317693	1	06/23/2021 12:50	OM
Surr: Dibromofluoromethane	91.8	78.9-121		%REC	317693	1	06/23/2021 12:50	OM
Surr: Toluene-d8	97.1	81.5-120		%REC	317693	1	06/23/2021 12:50	OM

APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	317632	1	06/25/2021 20:03	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 20:03	AS
Barium	0.0243	0.0200		mg/L	317632	1	06/25/2021 20:03	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 20:03	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 20:03	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:03	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 20:03	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 20:03	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 20:03	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 20:03	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:03	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 20:03	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 20:03	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 20:03	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 20:03	AS

Qualifiers:

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- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 2:15:00 PM
Lab ID: 2106O29-013	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	317693	1	06/23/2021 13:15	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
1,1-Dichloroethane	16	2.0		ug/L	317693	1	06/23/2021 13:15	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
1,2,3-Trichloropropane	33	2.0		ug/L	317693	1	06/23/2021 13:15	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317693	1	06/23/2021 13:15	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317693	1	06/23/2021 13:15	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
2-Butanone	BRL	100		ug/L	317693	1	06/23/2021 13:15	OM
2-Hexanone	BRL	50		ug/L	317693	1	06/23/2021 13:15	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317693	1	06/23/2021 13:15	OM
Acetone	BRL	100		ug/L	317693	1	06/23/2021 13:15	OM
Acetonitrile	BRL	200		ug/L	317693	1	06/23/2021 13:15	OM
Acrolein	BRL	50		ug/L	317693	1	06/23/2021 13:15	OM
Acrylonitrile	BRL	50		ug/L	317693	1	06/23/2021 13:15	OM
Allyl Chloride	BRL	100		ug/L	317693	1	06/23/2021 13:15	OM
Benzene	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
Bromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Bromodichloromethane	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Bromoform	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Bromomethane	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Carbon disulfide	BRL	5.0		ug/L	317693	1	06/23/2021 13:15	OM
Carbon tetrachloride	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
Chlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Chloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
Chloroform	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
Chloromethane	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Chloroprene	BRL	20		ug/L	317693	1	06/23/2021 13:15	OM
cis-1,2-Dichloroethene	26	2.0		ug/L	317693	1	06/23/2021 13:15	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
Dibromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Dibromomethane	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Dichlorodifluoromethane	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Ethyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Ethylbenzene	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM

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

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth Co. Hightower Rd.
Lab ID: 2106O29-013

Client Sample ID: GWC-14R
Collection Date: 6/16/2021 2:15:00 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	317693	1	06/23/2021 13:15	OM
Isobutyl Alcohol	BRL	200		ug/L	317693	1	06/23/2021 13:15	OM
Methyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Methylacrylonitrile	BRL	200		ug/L	317693	1	06/23/2021 13:15	OM
Methylene chloride	BRL	5.0		ug/L	317693	1	06/23/2021 13:15	OM
Naphthalene	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Propionitrile	BRL	100		ug/L	317693	1	06/23/2021 13:15	OM
Styrene	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Tetrachloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
Toluene	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317693	1	06/23/2021 13:15	OM
Trichloroethene	3.9	2.0		ug/L	317693	1	06/23/2021 13:15	OM
Trichlorofluoromethane	BRL	10		ug/L	317693	1	06/23/2021 13:15	OM
Vinyl acetate	BRL	100		ug/L	317693	1	06/23/2021 13:15	OM
Vinyl chloride	BRL	2.0		ug/L	317693	1	06/23/2021 13:15	OM
Xylenes, Total	BRL	5.0		ug/L	317693	1	06/23/2021 13:15	OM
Surr: 4-Bromofluorobenzene	83.5	74.9-127		%REC	317693	1	06/23/2021 13:15	OM
Surr: Dibromofluoromethane	92.9	78.9-121		%REC	317693	1	06/23/2021 13:15	OM
Surr: Toluene-d8	97.2	81.5-120		%REC	317693	1	06/23/2021 13:15	OM
TCL-SEMIVOLATILE ORGANICS		SW8270E			(SW3510C)			
1,1'-Biphenyl	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	317415	1	06/22/2021 17:33	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
2,4-Dichlorophenol	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
2,4-Dimethylphenol	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
2,4-Dinitrophenol	BRL	25		ug/L	317415	1	06/22/2021 17:33	YH
2,4-Dinitrotoluene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
2,6-Dinitrotoluene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
2-Chloronaphthalene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
2-Chlorophenol	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
2-Methylnaphthalene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
2-Methylphenol	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
2-Nitroaniline	BRL	25		ug/L	317415	1	06/22/2021 17:33	YH
2-Nitrophenol	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
3,3'-Dichlorobenzidine	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
3-Nitroaniline	BRL	25		ug/L	317415	1	06/22/2021 17:33	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	317415	1	06/22/2021 17:33	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
4-Chloroaniline	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
4-Methylphenol	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH

Qualifiers:

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- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
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Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-14R
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 2:15:00 PM
Lab ID: 2106O29-013	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270E					(SW3510C)			
4-Nitroaniline	BRL	25		ug/L	317415	1	06/22/2021 17:33	YH
4-Nitrophenol	BRL	25		ug/L	317415	1	06/22/2021 17:33	YH
Acenaphthene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Acenaphthylene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Acetophenone	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Anthracene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Atrazine	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Benz(a)anthracene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Benzaldehyde	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Benzo(a)pyrene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Benzo(b)fluoranthene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Benzo(k)fluoranthene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Bis(2-ethylhexyl)phthalate	BRL	6.0		ug/L	317415	1	06/22/2021 17:33	YH
Butyl benzyl phthalate	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Caprolactam	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Carbazole	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Chrysene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Di-n-butyl phthalate	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Di-n-octyl phthalate	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Dibenzofuran	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Diethyl phthalate	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Dimethyl phthalate	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Fluoranthene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Fluorene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Hexachlorobenzene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Hexachlorobutadiene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Hexachloroethane	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Isophorone	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Naphthalene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Nitrobenzene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Pentachlorophenol	BRL	25		ug/L	317415	1	06/22/2021 17:33	YH
Phenanthrene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Phenol	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Pyrene	BRL	10		ug/L	317415	1	06/22/2021 17:33	YH
Surr: 2,4,6-Tribromophenol	56.5	47-127		%REC	317415	1	06/22/2021 17:33	YH
Surr: 2-Fluorobiphenyl	59.2	47.4-119		%REC	317415	1	06/22/2021 17:33	YH

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

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-14R
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 2:15:00 PM
Lab ID: 2106O29-013	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS	SW8270E				(SW3510C)			
Surr: 2-Fluorophenol	21.3	26.2-120	S	%REC	317415	1	06/22/2021 17:33	YH
Surr: 4-Terphenyl-d14	68.2	45-133		%REC	317415	1	06/22/2021 17:33	YH
Surr: Nitrobenzene-d5	61.6	41.9-121		%REC	317415	1	06/22/2021 17:33	YH
Surr: Phenol-d5	14.3	17.8-120	S	%REC	317415	1	06/22/2021 17:33	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: FIELD BLANK 2
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 2:20:00 PM
Lab ID: 2106O29-014	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	317617	1	06/22/2021 08:07	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317617	1	06/22/2021 08:07	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317617	1	06/22/2021 08:07	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317617	1	06/22/2021 08:07	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317617	1	06/22/2021 08:07	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317617	1	06/22/2021 08:07	OM
2-Butanone	BRL	100		ug/L	317617	1	06/22/2021 08:07	OM
2-Hexanone	BRL	50		ug/L	317617	1	06/22/2021 08:07	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317617	1	06/22/2021 08:07	OM
Acetone	BRL	100		ug/L	317617	1	06/22/2021 08:07	OM
Acrylonitrile	BRL	50		ug/L	317617	1	06/22/2021 08:07	OM
Benzene	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
Bromochloromethane	BRL	10		ug/L	317617	1	06/22/2021 08:07	OM
Bromodichloromethane	BRL	10		ug/L	317617	1	06/22/2021 08:07	OM
Bromoform	BRL	10		ug/L	317617	1	06/22/2021 08:07	OM
Bromomethane	BRL	10		ug/L	317617	1	06/22/2021 08:07	OM
Carbon disulfide	BRL	5.0		ug/L	317617	1	06/22/2021 08:07	OM
Carbon tetrachloride	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
Chlorobenzene	BRL	10		ug/L	317617	1	06/22/2021 08:07	OM
Chloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
Chloroform	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
Chloromethane	BRL	10		ug/L	317617	1	06/22/2021 08:07	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
Dibromochloromethane	BRL	10		ug/L	317617	1	06/22/2021 08:07	OM
Dibromomethane	BRL	10		ug/L	317617	1	06/22/2021 08:07	OM
Ethylbenzene	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
Iodomethane	BRL	100		ug/L	317617	1	06/22/2021 08:07	OM
Methylene chloride	BRL	5.0		ug/L	317617	1	06/22/2021 08:07	OM
Styrene	BRL	10		ug/L	317617	1	06/22/2021 08:07	OM
Tetrachloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
Toluene	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317617	1	06/22/2021 08:07	OM
Trichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:07	OM
Trichlorofluoromethane	BRL	10		ug/L	317617	1	06/22/2021 08:07	OM
Vinyl acetate	BRL	100		ug/L	317617	1	06/22/2021 08:07	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 Co. Hightower Rd.	Collection Date: 6/16/2021 2:20:00 PM
Lab ID: 2106O29-014	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	317617	1	06/22/2021 08:07	OM
Xylenes, Total	BRL	5.0		ug/L	317617	1	06/22/2021 08:07	OM
Surr: 4-Bromofluorobenzene	83.6	74.9-127		%REC	317617	1	06/22/2021 08:07	OM
Surr: Dibromofluoromethane	94.9	78.9-121		%REC	317617	1	06/22/2021 08:07	OM
Surr: Toluene-d8	96.7	81.5-120		%REC	317617	1	06/22/2021 08:07	OM
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	317632	1	06/25/2021 20:06	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 20:06	AS
Barium	BRL	0.0200		mg/L	317632	1	06/25/2021 20:06	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 20:06	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 20:06	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:06	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 20:06	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 20:06	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 20:06	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 20:06	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:06	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 20:06	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 20:06	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 20:06	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 20:06	AS

Qualifiers:

- * Value exceeds maximum contaminant level
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- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 1:05:00 PM
Lab ID: 2106O29-015	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	317617	1	06/22/2021 08:31	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317617	1	06/22/2021 08:31	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317617	1	06/22/2021 08:31	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317617	1	06/22/2021 08:31	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317617	1	06/22/2021 08:31	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317617	1	06/22/2021 08:31	OM
2-Butanone	BRL	100		ug/L	317617	1	06/22/2021 08:31	OM
2-Hexanone	BRL	50		ug/L	317617	1	06/22/2021 08:31	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317617	1	06/22/2021 08:31	OM
Acetone	BRL	100		ug/L	317617	1	06/22/2021 08:31	OM
Acrylonitrile	BRL	50		ug/L	317617	1	06/22/2021 08:31	OM
Benzene	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
Bromochloromethane	BRL	10		ug/L	317617	1	06/22/2021 08:31	OM
Bromodichloromethane	BRL	10		ug/L	317617	1	06/22/2021 08:31	OM
Bromoform	BRL	10		ug/L	317617	1	06/22/2021 08:31	OM
Bromomethane	BRL	10		ug/L	317617	1	06/22/2021 08:31	OM
Carbon disulfide	BRL	5.0		ug/L	317617	1	06/22/2021 08:31	OM
Carbon tetrachloride	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
Chlorobenzene	BRL	10		ug/L	317617	1	06/22/2021 08:31	OM
Chloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
Chloroform	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
Chloromethane	BRL	10		ug/L	317617	1	06/22/2021 08:31	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
Dibromochloromethane	BRL	10		ug/L	317617	1	06/22/2021 08:31	OM
Dibromomethane	BRL	10		ug/L	317617	1	06/22/2021 08:31	OM
Ethylbenzene	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
Iodomethane	BRL	100		ug/L	317617	1	06/22/2021 08:31	OM
Methylene chloride	BRL	5.0		ug/L	317617	1	06/22/2021 08:31	OM
Styrene	BRL	10		ug/L	317617	1	06/22/2021 08:31	OM
Tetrachloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
Toluene	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317617	1	06/22/2021 08:31	OM
Trichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:31	OM
Trichlorofluoromethane	BRL	10		ug/L	317617	1	06/22/2021 08:31	OM
Vinyl acetate	BRL	100		ug/L	317617	1	06/22/2021 08:31	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 Co. Hightower Rd.	Collection Date: 6/16/2021 1:05:00 PM
Lab ID: 2106O29-015	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	317617	1	06/22/2021 08:31	OM
Xylenes, Total	BRL	5.0		ug/L	317617	1	06/22/2021 08:31	OM
Surr: 4-Bromofluorobenzene	81.9	74.9-127		%REC	317617	1	06/22/2021 08:31	OM
Surr: Dibromofluoromethane	93.6	78.9-121		%REC	317617	1	06/22/2021 08:31	OM
Surr: Toluene-d8	95	81.5-120		%REC	317617	1	06/22/2021 08:31	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-8A
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 3:20:00 PM
Lab ID: 2106O29-016	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	317693	1	06/23/2021 13:39	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
1,1-Dichloroethane	2.5	2.0		ug/L	317693	1	06/23/2021 13:39	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317693	1	06/23/2021 13:39	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317693	1	06/23/2021 13:39	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
2-Butanone	BRL	100		ug/L	317693	1	06/23/2021 13:39	OM
2-Hexanone	BRL	50		ug/L	317693	1	06/23/2021 13:39	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317693	1	06/23/2021 13:39	OM
Acetone	BRL	100		ug/L	317693	1	06/23/2021 13:39	OM
Acetonitrile	BRL	200		ug/L	317693	1	06/23/2021 13:39	OM
Acrolein	BRL	50		ug/L	317693	1	06/23/2021 13:39	OM
Acrylonitrile	BRL	50		ug/L	317693	1	06/23/2021 13:39	OM
Allyl Chloride	BRL	100		ug/L	317693	1	06/23/2021 13:39	OM
Benzene	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
Bromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Bromodichloromethane	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Bromoform	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Bromomethane	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Carbon disulfide	BRL	5.0		ug/L	317693	1	06/23/2021 13:39	OM
Carbon tetrachloride	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
Chlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Chloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
Chloroform	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
Chloromethane	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Chloroprene	BRL	20		ug/L	317693	1	06/23/2021 13:39	OM
cis-1,2-Dichloroethene	24	2.0		ug/L	317693	1	06/23/2021 13:39	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
Dibromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Dibromomethane	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Dichlorodifluoromethane	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Ethyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Ethylbenzene	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	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-8A
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 3:20:00 PM
Lab ID: 2106O29-016	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	317693	1	06/23/2021 13:39	OM
Isobutyl Alcohol	BRL	200		ug/L	317693	1	06/23/2021 13:39	OM
Methyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Methylacrylonitrile	BRL	200		ug/L	317693	1	06/23/2021 13:39	OM
Methylene chloride	BRL	5.0		ug/L	317693	1	06/23/2021 13:39	OM
Naphthalene	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Propionitrile	BRL	100		ug/L	317693	1	06/23/2021 13:39	OM
Styrene	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Tetrachloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
Toluene	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317693	1	06/23/2021 13:39	OM
Trichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
Trichlorofluoromethane	BRL	10		ug/L	317693	1	06/23/2021 13:39	OM
Vinyl acetate	BRL	100		ug/L	317693	1	06/23/2021 13:39	OM
Vinyl chloride	BRL	2.0		ug/L	317693	1	06/23/2021 13:39	OM
Xylenes, Total	BRL	5.0		ug/L	317693	1	06/23/2021 13:39	OM
Surr: 4-Bromofluorobenzene	85	74.9-127		%REC	317693	1	06/23/2021 13:39	OM
Surr: Dibromofluoromethane	94.8	78.9-121		%REC	317693	1	06/23/2021 13:39	OM
Surr: Toluene-d8	96.8	81.5-120		%REC	317693	1	06/23/2021 13:39	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-8R
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 3:45:00 PM
Lab ID: 2106O29-017	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	317693	1	06/23/2021 14:03	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
1,1-Dichloroethane	16	2.0		ug/L	317693	1	06/23/2021 14:03	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317693	1	06/23/2021 14:03	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317693	1	06/23/2021 14:03	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
2-Butanone	BRL	100		ug/L	317693	1	06/23/2021 14:03	OM
2-Hexanone	BRL	50		ug/L	317693	1	06/23/2021 14:03	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317693	1	06/23/2021 14:03	OM
Acetone	BRL	100		ug/L	317693	1	06/23/2021 14:03	OM
Acetonitrile	BRL	200		ug/L	317693	1	06/23/2021 14:03	OM
Acrolein	BRL	50		ug/L	317693	1	06/23/2021 14:03	OM
Acrylonitrile	BRL	50		ug/L	317693	1	06/23/2021 14:03	OM
Allyl Chloride	BRL	100		ug/L	317693	1	06/23/2021 14:03	OM
Benzene	2.0	2.0		ug/L	317693	1	06/23/2021 14:03	OM
Bromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Bromodichloromethane	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Bromoform	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Bromomethane	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Carbon disulfide	BRL	5.0		ug/L	317693	1	06/23/2021 14:03	OM
Carbon tetrachloride	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
Chlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Chloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
Chloroform	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
Chloromethane	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Chloroprene	BRL	20		ug/L	317693	1	06/23/2021 14:03	OM
cis-1,2-Dichloroethene	32	2.0		ug/L	317693	1	06/23/2021 14:03	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
Dibromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Dibromomethane	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Dichlorodifluoromethane	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Ethyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Ethylbenzene	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	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 Co. Hightower Rd.
Lab ID: 2106O29-017

Client Sample ID: GWC-8R
Collection Date: 6/16/2021 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	317693	1	06/23/2021 14:03	OM
Isobutyl Alcohol	BRL	200		ug/L	317693	1	06/23/2021 14:03	OM
Methyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Methylacrylonitrile	BRL	200		ug/L	317693	1	06/23/2021 14:03	OM
Methylene chloride	BRL	5.0		ug/L	317693	1	06/23/2021 14:03	OM
Naphthalene	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Propionitrile	BRL	100		ug/L	317693	1	06/23/2021 14:03	OM
Styrene	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Tetrachloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
Toluene	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317693	1	06/23/2021 14:03	OM
Trichloroethene	2.1	2.0		ug/L	317693	1	06/23/2021 14:03	OM
Trichlorofluoromethane	BRL	10		ug/L	317693	1	06/23/2021 14:03	OM
Vinyl acetate	BRL	100		ug/L	317693	1	06/23/2021 14:03	OM
Vinyl chloride	BRL	2.0		ug/L	317693	1	06/23/2021 14:03	OM
Xylenes, Total	BRL	5.0		ug/L	317693	1	06/23/2021 14:03	OM
Surr: 4-Bromofluorobenzene	85.5	74.9-127		%REC	317693	1	06/23/2021 14:03	OM
Surr: Dibromofluoromethane	92.7	78.9-121		%REC	317693	1	06/23/2021 14:03	OM
Surr: Toluene-d8	95.2	81.5-120		%REC	317693	1	06/23/2021 14:03	OM
TCL-SEMIVOLATILE ORGANICS SW8270E		(SW3510C)						
1,1'-Biphenyl	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	317415	1	06/22/2021 17:59	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
2,4-Dichlorophenol	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
2,4-Dimethylphenol	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
2,4-Dinitrophenol	BRL	25		ug/L	317415	1	06/22/2021 17:59	YH
2,4-Dinitrotoluene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
2,6-Dinitrotoluene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
2-Chloronaphthalene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
2-Chlorophenol	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
2-Methylnaphthalene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
2-Methylphenol	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
2-Nitroaniline	BRL	25		ug/L	317415	1	06/22/2021 17:59	YH
2-Nitrophenol	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
3,3'-Dichlorobenzidine	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
3-Nitroaniline	BRL	25		ug/L	317415	1	06/22/2021 17:59	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	317415	1	06/22/2021 17:59	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
4-Chloroaniline	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
4-Methylphenol	BRL	10		ug/L	317415	1	06/22/2021 17:59	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 Co. Hightower Rd.
 Lab ID: 2106O29-017

Client Sample ID: GWC-8R
 Collection Date: 6/16/2021 3:45:00 PM
 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS	SW8270E				(SW3510C)			
4-Nitroaniline	BRL	25		ug/L	317415	1	06/22/2021 17:59	YH
4-Nitrophenol	BRL	25		ug/L	317415	1	06/22/2021 17:59	YH
Acenaphthene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Acenaphthylene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Acetophenone	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Anthracene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Atrazine	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Benz(a)anthracene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Benzaldehyde	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Benzo(a)pyrene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Benzo(b)fluoranthene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Benzo(k)fluoranthene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Bis(2-ethylhexyl)phthalate	BRL	6.0		ug/L	317415	1	06/22/2021 17:59	YH
Butyl benzyl phthalate	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Caprolactam	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Carbazole	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Chrysene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Di-n-butyl phthalate	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Di-n-octyl phthalate	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Dibenzofuran	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Diethyl phthalate	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Dimethyl phthalate	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Fluoranthene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Fluorene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Hexachlorobenzene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Hexachlorobutadiene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Hexachloroethane	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Isophorone	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Naphthalene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Nitrobenzene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Pentachlorophenol	BRL	25		ug/L	317415	1	06/22/2021 17:59	YH
Phenanthrene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Phenol	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Pyrene	BRL	10		ug/L	317415	1	06/22/2021 17:59	YH
Surr: 2,4,6-Tribromophenol	41.2	47-127	S	%REC	317415	1	06/22/2021 17:59	YH
Surr: 2-Fluorobiphenyl	57.5	47.4-119		%REC	317415	1	06/22/2021 17:59	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 Co. Hightower Rd.	Collection Date: 6/16/2021 3:45:00 PM
Lab ID: 2106O29-017	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS	SW8270E				(SW3510C)			
Surr: 2-Fluorophenol	12.6	26.2-120	S	%REC	317415	1	06/22/2021 17:59	YH
Surr: 4-Terphenyl-d14	72.8	45-133		%REC	317415	1	06/22/2021 17:59	YH
Surr: Nitrobenzene-d5	56.3	41.9-121		%REC	317415	1	06/22/2021 17:59	YH
Surr: Phenol-d5	10.5	17.8-120	S	%REC	317415	1	06/22/2021 17:59	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: PH1-GWA-2
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 1:10:00 PM
Lab ID: 2106O29-018	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	317693	1	06/23/2021 14:27	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317693	1	06/23/2021 14:27	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317693	1	06/23/2021 14:27	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
2-Butanone	BRL	100		ug/L	317693	1	06/23/2021 14:27	OM
2-Hexanone	BRL	50		ug/L	317693	1	06/23/2021 14:27	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317693	1	06/23/2021 14:27	OM
Acetone	BRL	100		ug/L	317693	1	06/23/2021 14:27	OM
Acetonitrile	BRL	200		ug/L	317693	1	06/23/2021 14:27	OM
Acrolein	BRL	50		ug/L	317693	1	06/23/2021 14:27	OM
Acrylonitrile	BRL	50		ug/L	317693	1	06/23/2021 14:27	OM
Allyl Chloride	BRL	100		ug/L	317693	1	06/23/2021 14:27	OM
Benzene	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
Bromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Bromodichloromethane	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Bromoform	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Bromomethane	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Carbon disulfide	BRL	5.0		ug/L	317693	1	06/23/2021 14:27	OM
Carbon tetrachloride	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
Chlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Chloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
Chloroform	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
Chloromethane	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Chloroprene	BRL	20		ug/L	317693	1	06/23/2021 14:27	OM
cis-1,2-Dichloroethene	34	2.0		ug/L	317693	1	06/23/2021 14:27	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
Dibromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Dibromomethane	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Dichlorodifluoromethane	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Ethyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Ethylbenzene	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	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-2
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 1:10:00 PM
Lab ID: 2106O29-018	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	317693	1	06/23/2021 14:27	OM
Isobutyl Alcohol	BRL	200		ug/L	317693	1	06/23/2021 14:27	OM
Methyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Methylacrylonitrile	BRL	200		ug/L	317693	1	06/23/2021 14:27	OM
Methylene chloride	BRL	5.0		ug/L	317693	1	06/23/2021 14:27	OM
Naphthalene	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Propionitrile	BRL	100		ug/L	317693	1	06/23/2021 14:27	OM
Styrene	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Tetrachloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
Toluene	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317693	1	06/23/2021 14:27	OM
Trichloroethene	2.4	2.0		ug/L	317693	1	06/23/2021 14:27	OM
Trichlorofluoromethane	BRL	10		ug/L	317693	1	06/23/2021 14:27	OM
Vinyl acetate	BRL	100		ug/L	317693	1	06/23/2021 14:27	OM
Vinyl chloride	BRL	2.0		ug/L	317693	1	06/23/2021 14:27	OM
Xylenes, Total	BRL	5.0		ug/L	317693	1	06/23/2021 14:27	OM
Surr: 4-Bromofluorobenzene	83.5	74.9-127		%REC	317693	1	06/23/2021 14:27	OM
Surr: Dibromofluoromethane	94.5	78.9-121		%REC	317693	1	06/23/2021 14:27	OM
Surr: Toluene-d8	97	81.5-120		%REC	317693	1	06/23/2021 14:27	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-4
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 2:35:00 PM
Lab ID: 2106O29-019	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	317617	1	06/22/2021 08:55	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317617	1	06/22/2021 08:55	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317617	1	06/22/2021 08:55	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317617	1	06/22/2021 08:55	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317617	1	06/22/2021 08:55	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317617	1	06/22/2021 08:55	OM
2-Butanone	BRL	100		ug/L	317617	1	06/22/2021 08:55	OM
2-Hexanone	BRL	50		ug/L	317617	1	06/22/2021 08:55	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317617	1	06/22/2021 08:55	OM
Acetone	BRL	100		ug/L	317617	1	06/22/2021 08:55	OM
Acrylonitrile	BRL	50		ug/L	317617	1	06/22/2021 08:55	OM
Benzene	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
Bromochloromethane	BRL	10		ug/L	317617	1	06/22/2021 08:55	OM
Bromodichloromethane	BRL	10		ug/L	317617	1	06/22/2021 08:55	OM
Bromoform	BRL	10		ug/L	317617	1	06/22/2021 08:55	OM
Bromomethane	BRL	10		ug/L	317617	1	06/22/2021 08:55	OM
Carbon disulfide	BRL	5.0		ug/L	317617	1	06/22/2021 08:55	OM
Carbon tetrachloride	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
Chlorobenzene	BRL	10		ug/L	317617	1	06/22/2021 08:55	OM
Chloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
Chloroform	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
Chloromethane	BRL	10		ug/L	317617	1	06/22/2021 08:55	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
Dibromochloromethane	BRL	10		ug/L	317617	1	06/22/2021 08:55	OM
Dibromomethane	BRL	10		ug/L	317617	1	06/22/2021 08:55	OM
Ethylbenzene	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
Iodomethane	BRL	100		ug/L	317617	1	06/22/2021 08:55	OM
Methylene chloride	BRL	5.0		ug/L	317617	1	06/22/2021 08:55	OM
Styrene	BRL	10		ug/L	317617	1	06/22/2021 08:55	OM
Tetrachloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
Toluene	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317617	1	06/22/2021 08:55	OM
Trichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 08:55	OM
Trichlorofluoromethane	BRL	10		ug/L	317617	1	06/22/2021 08:55	OM
Vinyl acetate	BRL	100		ug/L	317617	1	06/22/2021 08:55	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 Co. Hightower Rd.	Collection Date: 6/16/2021 2:35:00 PM
Lab ID: 2106O29-019	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	317617	1	06/22/2021 08:55	OM
Xylenes, Total	BRL	5.0		ug/L	317617	1	06/22/2021 08:55	OM
Surr: 4-Bromofluorobenzene	84.9	74.9-127		%REC	317617	1	06/22/2021 08:55	OM
Surr: Dibromofluoromethane	93.5	78.9-121		%REC	317617	1	06/22/2021 08:55	OM
Surr: Toluene-d8	94.3	81.5-120		%REC	317617	1	06/22/2021 08:55	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 Co. Hightower Rd.
Lab ID: 2106O29-020

Client Sample ID: PH1-GWB-2
Collection Date: 6/16/2021 11:45:00 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	317617	1	06/22/2021 09:20	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317617	1	06/22/2021 09:20	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317617	1	06/22/2021 09:20	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317617	1	06/22/2021 09:20	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317617	1	06/22/2021 09:20	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317617	1	06/22/2021 09:20	OM
2-Butanone	BRL	100		ug/L	317617	1	06/22/2021 09:20	OM
2-Hexanone	BRL	50		ug/L	317617	1	06/22/2021 09:20	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317617	1	06/22/2021 09:20	OM
Acetone	BRL	100		ug/L	317617	1	06/22/2021 09:20	OM
Acrylonitrile	BRL	50		ug/L	317617	1	06/22/2021 09:20	OM
Benzene	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
Bromochloromethane	BRL	10		ug/L	317617	1	06/22/2021 09:20	OM
Bromodichloromethane	BRL	10		ug/L	317617	1	06/22/2021 09:20	OM
Bromoform	BRL	10		ug/L	317617	1	06/22/2021 09:20	OM
Bromomethane	BRL	10		ug/L	317617	1	06/22/2021 09:20	OM
Carbon disulfide	BRL	5.0		ug/L	317617	1	06/22/2021 09:20	OM
Carbon tetrachloride	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
Chlorobenzene	BRL	10		ug/L	317617	1	06/22/2021 09:20	OM
Chloroethane	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
Chloroform	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
Chloromethane	BRL	10		ug/L	317617	1	06/22/2021 09:20	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
Dibromochloromethane	BRL	10		ug/L	317617	1	06/22/2021 09:20	OM
Dibromomethane	BRL	10		ug/L	317617	1	06/22/2021 09:20	OM
Ethylbenzene	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
Iodomethane	BRL	100		ug/L	317617	1	06/22/2021 09:20	OM
Methylene chloride	BRL	5.0		ug/L	317617	1	06/22/2021 09:20	OM
Styrene	BRL	10		ug/L	317617	1	06/22/2021 09:20	OM
Tetrachloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
Toluene	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317617	1	06/22/2021 09:20	OM
Trichloroethene	BRL	2.0		ug/L	317617	1	06/22/2021 09:20	OM
Trichlorofluoromethane	BRL	10		ug/L	317617	1	06/22/2021 09:20	OM
Vinyl acetate	BRL	100		ug/L	317617	1	06/22/2021 09:20	OM

Qualifiers:

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

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

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWB-2
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 11:45:00 AM
Lab ID: 2106O29-020	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	317617	1	06/22/2021 09:20	OM
Xylenes, Total	BRL	5.0		ug/L	317617	1	06/22/2021 09:20	OM
Surr: 4-Bromofluorobenzene	81.6	74.9-127		%REC	317617	1	06/22/2021 09:20	OM
Surr: Dibromofluoromethane	95.5	78.9-121		%REC	317617	1	06/22/2021 09:20	OM
Surr: Toluene-d8	96.1	81.5-120		%REC	317617	1	06/22/2021 09:20	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 Co. Hightower Rd.
Lab ID: 2106O29-021

Client Sample ID: PH1-GWC-1
Collection Date: 6/16/2021 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	317664	1	06/23/2021 02:39	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317664	1	06/23/2021 02:39	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317664	1	06/23/2021 02:39	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317664	1	06/23/2021 02:39	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 02:39	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 02:39	OM
2-Butanone	BRL	100		ug/L	317664	1	06/23/2021 02:39	OM
2-Hexanone	BRL	50		ug/L	317664	1	06/23/2021 02:39	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317664	1	06/23/2021 02:39	OM
Acetone	BRL	100		ug/L	317664	1	06/23/2021 02:39	OM
Acrylonitrile	BRL	50		ug/L	317664	1	06/23/2021 02:39	OM
Benzene	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
Bromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 02:39	OM
Bromodichloromethane	BRL	10		ug/L	317664	1	06/23/2021 02:39	OM
Bromoform	BRL	10		ug/L	317664	1	06/23/2021 02:39	OM
Bromomethane	BRL	10		ug/L	317664	1	06/23/2021 02:39	OM
Carbon disulfide	BRL	5.0		ug/L	317664	1	06/23/2021 02:39	OM
Carbon tetrachloride	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
Chlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 02:39	OM
Chloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
Chloroform	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
Chloromethane	BRL	10		ug/L	317664	1	06/23/2021 02:39	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
Dibromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 02:39	OM
Dibromomethane	BRL	10		ug/L	317664	1	06/23/2021 02:39	OM
Ethylbenzene	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
Iodomethane	BRL	100		ug/L	317664	1	06/23/2021 02:39	OM
Methylene chloride	BRL	5.0		ug/L	317664	1	06/23/2021 02:39	OM
Styrene	BRL	10		ug/L	317664	1	06/23/2021 02:39	OM
Tetrachloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
Toluene	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317664	1	06/23/2021 02:39	OM
Trichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 02:39	OM
Trichlorofluoromethane	BRL	10		ug/L	317664	1	06/23/2021 02:39	OM
Vinyl acetate	BRL	100		ug/L	317664	1	06/23/2021 02:39	OM

Qualifiers:

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

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

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-1
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 12:15:00 PM
Lab ID: 2106O29-021	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	317664	1	06/23/2021 02:39	OM
Xylenes, Total	BRL	5.0		ug/L	317664	1	06/23/2021 02:39	OM
Surr: 4-Bromofluorobenzene	84	74.9-127		%REC	317664	1	06/23/2021 02:39	OM
Surr: Dibromofluoromethane	95.6	78.9-121		%REC	317664	1	06/23/2021 02:39	OM
Surr: Toluene-d8	96.2	81.5-120		%REC	317664	1	06/23/2021 02:39	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: AMW-9
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 12:10:00 PM
Lab ID: 2106O29-022	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	317693	1	06/23/2021 14:52	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317693	1	06/23/2021 14:52	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317693	1	06/23/2021 14:52	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
2-Butanone	BRL	100		ug/L	317693	1	06/23/2021 14:52	OM
2-Hexanone	BRL	50		ug/L	317693	1	06/23/2021 14:52	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317693	1	06/23/2021 14:52	OM
Acetone	BRL	100		ug/L	317693	1	06/23/2021 14:52	OM
Acetonitrile	BRL	200		ug/L	317693	1	06/23/2021 14:52	OM
Acrolein	BRL	50		ug/L	317693	1	06/23/2021 14:52	OM
Acrylonitrile	BRL	50		ug/L	317693	1	06/23/2021 14:52	OM
Allyl Chloride	BRL	100		ug/L	317693	1	06/23/2021 14:52	OM
Benzene	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
Bromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Bromodichloromethane	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Bromoform	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Bromomethane	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Carbon disulfide	BRL	5.0		ug/L	317693	1	06/23/2021 14:52	OM
Carbon tetrachloride	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
Chlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Chloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
Chloroform	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
Chloromethane	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Chloroprene	BRL	20		ug/L	317693	1	06/23/2021 14:52	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
Dibromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Dibromomethane	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Dichlorodifluoromethane	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Ethyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Ethylbenzene	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	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: AMW-9
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 12:10:00 PM
Lab ID: 2106O29-022	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	317693	1	06/23/2021 14:52	OM
Isobutyl Alcohol	BRL	200		ug/L	317693	1	06/23/2021 14:52	OM
Methyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Methylacrylonitrile	BRL	200		ug/L	317693	1	06/23/2021 14:52	OM
Methylene chloride	BRL	5.0		ug/L	317693	1	06/23/2021 14:52	OM
Naphthalene	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Propionitrile	BRL	100		ug/L	317693	1	06/23/2021 14:52	OM
Styrene	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Tetrachloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
Toluene	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317693	1	06/23/2021 14:52	OM
Trichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
Trichlorofluoromethane	BRL	10		ug/L	317693	1	06/23/2021 14:52	OM
Vinyl acetate	BRL	100		ug/L	317693	1	06/23/2021 14:52	OM
Vinyl chloride	BRL	2.0		ug/L	317693	1	06/23/2021 14:52	OM
Xylenes, Total	BRL	5.0		ug/L	317693	1	06/23/2021 14:52	OM
Surr: 4-Bromofluorobenzene	82.6	74.9-127		%REC	317693	1	06/23/2021 14:52	OM
Surr: Dibromofluoromethane	94.1	78.9-121		%REC	317693	1	06/23/2021 14:52	OM
Surr: Toluene-d8	96.3	81.5-120		%REC	317693	1	06/23/2021 14:52	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 Co. Hightower Rd.	Collection Date: 6/16/2021 10:55:00 AM
Lab ID: 2106O29-023	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	317664	1	06/23/2021 03:03	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317664	1	06/23/2021 03:03	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317664	1	06/23/2021 03:03	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317664	1	06/23/2021 03:03	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 03:03	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 03:03	OM
2-Butanone	BRL	100		ug/L	317664	1	06/23/2021 03:03	OM
2-Hexanone	BRL	50		ug/L	317664	1	06/23/2021 03:03	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317664	1	06/23/2021 03:03	OM
Acetone	BRL	100		ug/L	317664	1	06/23/2021 03:03	OM
Acrylonitrile	BRL	50		ug/L	317664	1	06/23/2021 03:03	OM
Benzene	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
Bromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 03:03	OM
Bromodichloromethane	BRL	10		ug/L	317664	1	06/23/2021 03:03	OM
Bromoform	BRL	10		ug/L	317664	1	06/23/2021 03:03	OM
Bromomethane	BRL	10		ug/L	317664	1	06/23/2021 03:03	OM
Carbon disulfide	BRL	5.0		ug/L	317664	1	06/23/2021 03:03	OM
Carbon tetrachloride	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
Chlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 03:03	OM
Chloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
Chloroform	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
Chloromethane	BRL	10		ug/L	317664	1	06/23/2021 03:03	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
Dibromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 03:03	OM
Dibromomethane	BRL	10		ug/L	317664	1	06/23/2021 03:03	OM
Ethylbenzene	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
Iodomethane	BRL	100		ug/L	317664	1	06/23/2021 03:03	OM
Methylene chloride	BRL	5.0		ug/L	317664	1	06/23/2021 03:03	OM
Styrene	BRL	10		ug/L	317664	1	06/23/2021 03:03	OM
Tetrachloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
Toluene	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317664	1	06/23/2021 03:03	OM
Trichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:03	OM
Trichlorofluoromethane	BRL	10		ug/L	317664	1	06/23/2021 03:03	OM
Vinyl acetate	BRL	100		ug/L	317664	1	06/23/2021 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-4
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 10:55:00 AM
Lab ID: 2106O29-023	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	317664	1	06/23/2021 03:03	OM
Xylenes, Total	BRL	5.0		ug/L	317664	1	06/23/2021 03:03	OM
Surr: 4-Bromofluorobenzene	83.6	74.9-127		%REC	317664	1	06/23/2021 03:03	OM
Surr: Dibromofluoromethane	93.6	78.9-121		%REC	317664	1	06/23/2021 03:03	OM
Surr: Toluene-d8	95.6	81.5-120		%REC	317664	1	06/23/2021 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: GWA-2
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 10:00:00 AM
Lab ID: 2106O29-024	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	317632	1	06/25/2021 20:10	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 20:10	AS
Barium	0.0242	0.0200		mg/L	317632	1	06/25/2021 20:10	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 20:10	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 20:10	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:10	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 20:10	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 20:10	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 20:10	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 20:10	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:10	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 20:10	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 20:10	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 20:10	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 20:10	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.
Lab ID: 2106O29-026

Client Sample ID: GWC-7
Collection Date: 6/16/2021 9:20:00 AM
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	317632	1	06/25/2021 20:17	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 20:17	AS
Barium	0.0369	0.0200		mg/L	317632	1	06/25/2021 20:17	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 20:17	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 20:17	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:17	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 20:17	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 20:17	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 20:17	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 20:17	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:17	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 20:17	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 20:17	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 20:17	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 20:17	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 9:45:00 AM
Lab ID: 2106O29-027	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	317632	1	06/25/2021 20:20	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 20:20	AS
Barium	BRL	0.0200		mg/L	317632	1	06/25/2021 20:20	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 20:20	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 20:20	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:20	AS
Cobalt	BRL	0.0400		mg/L	317632	1	06/25/2021 20:20	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 20:20	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 20:20	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 20:20	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:20	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 20:20	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 20:20	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 20:20	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 20:20	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.
Lab ID: 2106O29-028

Client Sample ID: GWC-14
Collection Date: 6/16/2021 9:35:00 AM
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	317632	1	06/25/2021 20:24	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 20:24	AS
Barium	0.0240	0.0200		mg/L	317632	1	06/25/2021 20:24	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 20:24	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 20:24	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:24	AS
Cobalt	0.0876	0.0400		mg/L	317632	1	06/25/2021 20:24	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 20:24	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 20:24	AS
Nickel	BRL	0.0200		mg/L	317632	1	06/25/2021 20:24	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:24	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 20:24	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 20:24	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 20:24	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 20:24	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 9:40:00 AM
Lab ID: 2106O29-029	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	317632	1	06/25/2021 20:27	AS
Arsenic	BRL	0.0100		mg/L	317632	1	06/25/2021 20:27	AS
Barium	0.173	0.0200		mg/L	317632	1	06/25/2021 20:27	AS
Beryllium	BRL	0.00300		mg/L	317632	1	06/25/2021 20:27	AS
Cadmium	BRL	0.00500		mg/L	317632	1	06/25/2021 20:27	AS
Chromium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:27	AS
Cobalt	0.306	0.0400		mg/L	317632	1	06/25/2021 20:27	AS
Copper	BRL	0.0200		mg/L	317632	1	06/25/2021 20:27	AS
Lead	BRL	0.0150		mg/L	317632	1	06/25/2021 20:27	AS
Nickel	0.0222	0.0200		mg/L	317632	1	06/25/2021 20:27	AS
Selenium	BRL	0.0100		mg/L	317632	1	06/25/2021 20:27	AS
Silver	BRL	0.0100		mg/L	317632	1	06/25/2021 20:27	AS
Thallium	BRL	0.00200		mg/L	317632	1	06/25/2021 20:27	AS
Vanadium	BRL	0.0200		mg/L	317632	1	06/25/2021 20:27	AS
Zinc	BRL	0.0200		mg/L	317632	1	06/25/2021 20:27	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 9:55:00 AM
Lab ID: 2106O29-030	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Metals by ICP/MS SW6020B					(SW3005A)			
Potassium	1.71	0.100		mg/L	317632	1	06/30/2021 18:20	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 10:00:00 AM
Lab ID: 2106O29-031	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Metals by ICP/MS SW6020B					(SW3005A)			
Potassium	1.68	0.100		mg/L	317633	1	06/29/2021 03:51	AS

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

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-4A
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 10:10:00 AM
Lab ID: 2106O29-032	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	317664	1	06/23/2021 03:28	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317664	1	06/23/2021 03:28	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317664	1	06/23/2021 03:28	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317664	1	06/23/2021 03:28	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 03:28	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 03:28	OM
2-Butanone	BRL	100		ug/L	317664	1	06/23/2021 03:28	OM
2-Hexanone	BRL	50		ug/L	317664	1	06/23/2021 03:28	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317664	1	06/23/2021 03:28	OM
Acetone	BRL	100		ug/L	317664	1	06/23/2021 03:28	OM
Acrylonitrile	BRL	50		ug/L	317664	1	06/23/2021 03:28	OM
Benzene	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
Bromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 03:28	OM
Bromodichloromethane	BRL	10		ug/L	317664	1	06/23/2021 03:28	OM
Bromoform	BRL	10		ug/L	317664	1	06/23/2021 03:28	OM
Bromomethane	BRL	10		ug/L	317664	1	06/23/2021 03:28	OM
Carbon disulfide	BRL	5.0		ug/L	317664	1	06/23/2021 03:28	OM
Carbon tetrachloride	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
Chlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 03:28	OM
Chloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
Chloroform	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
Chloromethane	BRL	10		ug/L	317664	1	06/23/2021 03:28	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
Dibromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 03:28	OM
Dibromomethane	BRL	10		ug/L	317664	1	06/23/2021 03:28	OM
Ethylbenzene	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
Iodomethane	BRL	100		ug/L	317664	1	06/23/2021 03:28	OM
Methylene chloride	BRL	5.0		ug/L	317664	1	06/23/2021 03:28	OM
Styrene	BRL	10		ug/L	317664	1	06/23/2021 03:28	OM
Tetrachloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
Toluene	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317664	1	06/23/2021 03:28	OM
Trichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:28	OM
Trichlorofluoromethane	BRL	10		ug/L	317664	1	06/23/2021 03:28	OM
Vinyl acetate	BRL	100		ug/L	317664	1	06/23/2021 03:28	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: SWC-4A
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 10:10:00 AM
Lab ID: 2106O29-032	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	317664	1	06/23/2021 03:28	OM
Xylenes, Total	BRL	5.0		ug/L	317664	1	06/23/2021 03:28	OM
Surr: 4-Bromofluorobenzene	83.7	74.9-127		%REC	317664	1	06/23/2021 03:28	OM
Surr: Dibromofluoromethane	93.3	78.9-121		%REC	317664	1	06/23/2021 03:28	OM
Surr: Toluene-d8	94.7	81.5-120		%REC	317664	1	06/23/2021 03:28	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: SWC-4B
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 12:15:00 PM
Lab ID: 2106O29-033	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	317664	1	06/23/2021 03:52	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317664	1	06/23/2021 03:52	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317664	1	06/23/2021 03:52	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317664	1	06/23/2021 03:52	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 03:52	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 03:52	OM
2-Butanone	BRL	100		ug/L	317664	1	06/23/2021 03:52	OM
2-Hexanone	BRL	50		ug/L	317664	1	06/23/2021 03:52	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317664	1	06/23/2021 03:52	OM
Acetone	BRL	100		ug/L	317664	1	06/23/2021 03:52	OM
Acrylonitrile	BRL	50		ug/L	317664	1	06/23/2021 03:52	OM
Benzene	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
Bromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 03:52	OM
Bromodichloromethane	BRL	10		ug/L	317664	1	06/23/2021 03:52	OM
Bromoform	BRL	10		ug/L	317664	1	06/23/2021 03:52	OM
Bromomethane	BRL	10		ug/L	317664	1	06/23/2021 03:52	OM
Carbon disulfide	BRL	5.0		ug/L	317664	1	06/23/2021 03:52	OM
Carbon tetrachloride	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
Chlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 03:52	OM
Chloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
Chloroform	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
Chloromethane	BRL	10		ug/L	317664	1	06/23/2021 03:52	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
Dibromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 03:52	OM
Dibromomethane	BRL	10		ug/L	317664	1	06/23/2021 03:52	OM
Ethylbenzene	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
Iodomethane	BRL	100		ug/L	317664	1	06/23/2021 03:52	OM
Methylene chloride	BRL	5.0		ug/L	317664	1	06/23/2021 03:52	OM
Styrene	BRL	10		ug/L	317664	1	06/23/2021 03:52	OM
Tetrachloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
Toluene	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317664	1	06/23/2021 03:52	OM
Trichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 03:52	OM
Trichlorofluoromethane	BRL	10		ug/L	317664	1	06/23/2021 03:52	OM
Vinyl acetate	BRL	100		ug/L	317664	1	06/23/2021 03:52	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 Co. Hightower Rd.
Lab ID: 2106O29-033

Client Sample ID: SWC-4B
Collection Date: 6/16/2021 12:15:00 PM
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	317664	1	06/23/2021 03:52	OM
Xylenes, Total	BRL	5.0		ug/L	317664	1	06/23/2021 03:52	OM
Surr: 4-Bromofluorobenzene	83.8	74.9-127		%REC	317664	1	06/23/2021 03:52	OM
Surr: Dibromofluoromethane	92.1	78.9-121		%REC	317664	1	06/23/2021 03:52	OM
Surr: Toluene-d8	97.1	81.5-120		%REC	317664	1	06/23/2021 03:52	OM

Qualifiers:

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

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

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-1
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/17/2021 9:20:00 AM
Lab ID: 2106O29-034	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	317633	1	06/25/2021 21:49	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 21:49	AS
Barium	0.0421	0.0200		mg/L	317633	1	06/25/2021 21:49	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 21:49	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 21:49	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 21:49	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 21:49	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 21:49	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 21:49	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 21:49	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 21:49	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 21:49	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 21:49	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 21:49	AS
Zinc	BRL	0.0200		mg/L	317633	1	06/25/2021 21:49	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 11:00:00 AM
Lab ID: 2106O29-035	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	317664	1	06/23/2021 04:17	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317664	1	06/23/2021 04:17	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317664	1	06/23/2021 04:17	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317664	1	06/23/2021 04:17	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 04:17	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 04:17	OM
2-Butanone	BRL	100		ug/L	317664	1	06/23/2021 04:17	OM
2-Hexanone	BRL	50		ug/L	317664	1	06/23/2021 04:17	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317664	1	06/23/2021 04:17	OM
Acetone	BRL	100		ug/L	317664	1	06/23/2021 04:17	OM
Acrylonitrile	BRL	50		ug/L	317664	1	06/23/2021 04:17	OM
Benzene	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
Bromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 04:17	OM
Bromodichloromethane	BRL	10		ug/L	317664	1	06/23/2021 04:17	OM
Bromoform	BRL	10		ug/L	317664	1	06/23/2021 04:17	OM
Bromomethane	BRL	10		ug/L	317664	1	06/23/2021 04:17	OM
Carbon disulfide	BRL	5.0		ug/L	317664	1	06/23/2021 04:17	OM
Carbon tetrachloride	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
Chlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 04:17	OM
Chloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
Chloroform	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
Chloromethane	BRL	10		ug/L	317664	1	06/23/2021 04:17	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
Dibromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 04:17	OM
Dibromomethane	BRL	10		ug/L	317664	1	06/23/2021 04:17	OM
Ethylbenzene	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
Iodomethane	BRL	100		ug/L	317664	1	06/23/2021 04:17	OM
Methylene chloride	BRL	5.0		ug/L	317664	1	06/23/2021 04:17	OM
Styrene	BRL	10		ug/L	317664	1	06/23/2021 04:17	OM
Tetrachloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
Toluene	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317664	1	06/23/2021 04:17	OM
Trichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 04:17	OM
Trichlorofluoromethane	BRL	10		ug/L	317664	1	06/23/2021 04:17	OM
Vinyl acetate	BRL	100		ug/L	317664	1	06/23/2021 04:17	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 Co. Hightower Rd.	Collection Date: 6/16/2021 11:00:00 AM
Lab ID: 2106O29-035	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	317664	1	06/23/2021 04:17	OM
Xylenes, Total	BRL	5.0		ug/L	317664	1	06/23/2021 04:17	OM
Surr: 4-Bromofluorobenzene	84.9	74.9-127		%REC	317664	1	06/23/2021 04:17	OM
Surr: Dibromofluoromethane	93.2	78.9-121		%REC	317664	1	06/23/2021 04:17	OM
Surr: Toluene-d8	94.3	81.5-120		%REC	317664	1	06/23/2021 04:17	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-1
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/16/2021 9:30:00 AM
Lab ID: 2106O29-036	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	317633	1	06/25/2021 21:53	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 21:53	AS
Barium	0.0287	0.0200		mg/L	317633	1	06/25/2021 21:53	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 21:53	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 21:53	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 21:53	AS
Cobalt	0.0835	0.0400		mg/L	317633	1	06/25/2021 21:53	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 21:53	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 21:53	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 21:53	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 21:53	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 21:53	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 21:53	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 21:53	AS
Zinc	BRL	0.0200		mg/L	317633	1	06/25/2021 21:53	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.
Lab ID: 2106O29-037

Client Sample ID: PH1-GWA-1A
Collection Date: 6/16/2021 9:33:00 AM
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	317633	1	06/25/2021 21:56	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 21:56	AS
Barium	0.0248	0.0200		mg/L	317633	1	06/25/2021 21:56	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 21:56	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 21:56	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 21:56	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 21:56	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 21:56	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 21:56	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 21:56	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 21:56	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 21:56	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 21:56	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 21:56	AS
Zinc	BRL	0.0200		mg/L	317633	1	06/25/2021 21:56	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/17/2021 9:05:00 AM
Lab ID: 2106O29-038	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	317633	1	06/25/2021 22:00	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 22:00	AS
Barium	0.0717	0.0200		mg/L	317633	1	06/25/2021 22:00	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 22:00	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 22:00	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:00	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 22:00	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 22:00	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 22:00	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 22:00	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:00	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 22:00	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 22:00	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:00	AS
Zinc	BRL	0.0200		mg/L	317633	1	06/25/2021 22:00	AS

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-4
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/17/2021 9:40:00 AM
Lab ID: 2106O29-039	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	317633	1	06/25/2021 22:04	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 22:04	AS
Barium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:04	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 22:04	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 22:04	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:04	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 22:04	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 22:04	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 22:04	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 22:04	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:04	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 22:04	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 22:04	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:04	AS
Zinc	BRL	0.0200		mg/L	317633	1	06/25/2021 22:04	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/17/2021 9:30:00 AM
Lab ID: 2106O29-040	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	317633	1	06/25/2021 22:07	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 22:07	AS
Barium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:07	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 22:07	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 22:07	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:07	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 22:07	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 22:07	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 22:07	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 22:07	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:07	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 22:07	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 22:07	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:07	AS
Zinc	0.0263	0.0200		mg/L	317633	1	06/25/2021 22:07	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/17/2021 9:10:00 AM
Lab ID: 2106O29-041	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	317633	1	06/25/2021 22:11	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 22:11	AS
Barium	0.0330	0.0200		mg/L	317633	1	06/25/2021 22:11	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 22:11	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 22:11	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:11	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 22:11	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 22:11	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 22:11	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 22:11	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:11	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 22:11	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 22:11	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:11	AS
Zinc	BRL	0.0200		mg/L	317633	1	06/25/2021 22:11	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/17/2021 9:35:00 AM
Lab ID: 2106O29-042	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	317633	1	06/25/2021 22:14	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 22:14	AS
Barium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:14	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 22:14	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 22:14	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:14	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 22:14	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 22:14	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 22:14	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 22:14	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:14	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 22:14	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 22:14	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:14	AS
Zinc	BRL	0.0200		mg/L	317633	1	06/25/2021 22:14	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/16/2021 9:45:00 AM
Lab ID: 2106O29-043	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Metals by ICP/MS SW6020B					(SW3005A)			
Potassium	1.22	0.100		mg/L	317633	1	07/09/2021 16:35	AS
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	317633	1	06/25/2021 22:18	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 22:18	AS
Barium	0.0261	0.0200		mg/L	317633	1	06/25/2021 22:18	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 22:18	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 22:18	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:18	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 22:18	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 22:18	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 22:18	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 22:18	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:18	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 22:18	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 22:18	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:18	AS
Zinc	0.0216	0.0200		mg/L	317633	1	06/25/2021 22:18	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/17/2021 8:55:00 AM
Lab ID: 2106O29-044	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	317633	1	06/25/2021 22:43	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 22:43	AS
Barium	0.0245	0.0200		mg/L	317633	1	06/25/2021 22:43	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 22:43	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 22:43	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:43	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 22:43	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 22:43	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 22:43	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 22:43	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:43	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 22:43	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 22:43	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:43	AS
Zinc	0.0432	0.0200		mg/L	317633	1	06/25/2021 22:43	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.
Lab ID: 2106O29-045

Client Sample ID: SWC-1
Collection Date: 6/17/2021 10:20:00 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	2.29	1.00		mg/L	R457825	1	06/22/2021 22:37	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	317937	1	06/28/2021 13:44	CB
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	317734	1	06/24/2021 17:16	SK
Inorganic Anions by IC E300.0								
Chloride	5.82	0.500		mg/L	R457978	1	06/23/2021 21:43	IP
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R457792	1	06/22/2021 14:00	SK
APPENDIX I VOLATILE ORGANICS SW8260D (SW5030B)								
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317664	1	06/23/2021 04:41	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317664	1	06/23/2021 04:41	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317664	1	06/23/2021 04:41	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 04:41	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 04:41	OM
2-Butanone	BRL	100		ug/L	317664	1	06/23/2021 04:41	OM
2-Hexanone	BRL	50		ug/L	317664	1	06/23/2021 04:41	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317664	1	06/23/2021 04:41	OM
Acetone	BRL	100		ug/L	317664	1	06/23/2021 04:41	OM
Acrylonitrile	BRL	50		ug/L	317664	1	06/23/2021 04:41	OM
Benzene	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
Bromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 04:41	OM
Bromodichloromethane	BRL	10		ug/L	317664	1	06/23/2021 04:41	OM
Bromoform	BRL	10		ug/L	317664	1	06/23/2021 04:41	OM
Bromomethane	BRL	10		ug/L	317664	1	06/23/2021 04:41	OM
Carbon disulfide	BRL	5.0		ug/L	317664	1	06/23/2021 04:41	OM
Carbon tetrachloride	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
Chlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 04:41	OM
Chloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
Chloroform	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
Chloromethane	BRL	10		ug/L	317664	1	06/23/2021 04:41	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	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.
Project Name: Forsyth Co. Hightower Rd.
Lab ID: 2106O29-045

Client Sample ID: SWC-1
Collection Date: 6/17/2021 10:20:00 AM
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	317664	1	06/23/2021 04:41	OM
Dibromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 04:41	OM
Dibromomethane	BRL	10		ug/L	317664	1	06/23/2021 04:41	OM
Ethylbenzene	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
Iodomethane	BRL	100		ug/L	317664	1	06/23/2021 04:41	OM
Methylene chloride	BRL	5.0		ug/L	317664	1	06/23/2021 04:41	OM
Styrene	BRL	10		ug/L	317664	1	06/23/2021 04:41	OM
Tetrachloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
Toluene	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317664	1	06/23/2021 04:41	OM
Trichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
Trichlorofluoromethane	BRL	10		ug/L	317664	1	06/23/2021 04:41	OM
Vinyl acetate	BRL	100		ug/L	317664	1	06/23/2021 04:41	OM
Vinyl chloride	BRL	2.0		ug/L	317664	1	06/23/2021 04:41	OM
Xylenes, Total	BRL	5.0		ug/L	317664	1	06/23/2021 04:41	OM
Surr: 4-Bromofluorobenzene	83.9	74.9-127		%REC	317664	1	06/23/2021 04:41	OM
Surr: Dibromofluoromethane	92.1	78.9-121		%REC	317664	1	06/23/2021 04:41	OM
Surr: Toluene-d8	94.3	81.5-120		%REC	317664	1	06/23/2021 04:41	OM
METALS, TOTAL SW6010D				(SW3010A)				
Arsenic	BRL	0.0500		mg/L	317579	1	06/25/2021 11:10	KB
Barium	BRL	0.0200		mg/L	317579	1	06/25/2021 11:10	KB
Cadmium	BRL	0.0050		mg/L	317579	1	06/25/2021 11:10	KB
Chromium	BRL	0.0100		mg/L	317579	1	06/25/2021 11:10	KB
Lead	BRL	0.0100		mg/L	317579	1	06/25/2021 11:10	KB
Nickel	BRL	0.0200		mg/L	317579	1	06/25/2021 11:10	KB
Selenium	BRL	0.0200		mg/L	317579	1	06/25/2021 11:10	KB
Silver	BRL	0.0100		mg/L	317579	1	06/25/2021 11:10	KB
Zinc	BRL	0.0200		mg/L	317579	1	06/25/2021 11:10	KB

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.
Lab ID: 2106O29-046

Client Sample ID: SWC-4
Collection Date: 6/17/2021 10:45:00 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	R457825	1	06/22/2021 23:33	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	317937	1	06/28/2021 19:06	CB
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	317734	1	06/24/2021 17:20	SK
Inorganic Anions by IC E300.0								
Chloride	2.45	0.500		mg/L	R457978	1	06/23/2021 21:59	IP
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R457792	1	06/22/2021 14:00	SK
APPENDIX I VOLATILE ORGANICS SW8260D (SW5030B)								
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317664	1	06/23/2021 05:05	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317664	1	06/23/2021 05:05	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317664	1	06/23/2021 05:05	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 05:05	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 05:05	OM
2-Butanone	BRL	100		ug/L	317664	1	06/23/2021 05:05	OM
2-Hexanone	BRL	50		ug/L	317664	1	06/23/2021 05:05	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317664	1	06/23/2021 05:05	OM
Acetone	BRL	100		ug/L	317664	1	06/23/2021 05:05	OM
Acrylonitrile	BRL	50		ug/L	317664	1	06/23/2021 05:05	OM
Benzene	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
Bromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 05:05	OM
Bromodichloromethane	BRL	10		ug/L	317664	1	06/23/2021 05:05	OM
Bromoform	BRL	10		ug/L	317664	1	06/23/2021 05:05	OM
Bromomethane	BRL	10		ug/L	317664	1	06/23/2021 05:05	OM
Carbon disulfide	BRL	5.0		ug/L	317664	1	06/23/2021 05:05	OM
Carbon tetrachloride	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
Chlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 05:05	OM
Chloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
Chloroform	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
Chloromethane	BRL	10		ug/L	317664	1	06/23/2021 05:05	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	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-4
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/17/2021 10:45:00 AM
Lab ID: 2106O29-046	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	317664	1	06/23/2021 05:05	OM
Dibromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 05:05	OM
Dibromomethane	BRL	10		ug/L	317664	1	06/23/2021 05:05	OM
Ethylbenzene	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
Iodomethane	BRL	100		ug/L	317664	1	06/23/2021 05:05	OM
Methylene chloride	BRL	5.0		ug/L	317664	1	06/23/2021 05:05	OM
Styrene	BRL	10		ug/L	317664	1	06/23/2021 05:05	OM
Tetrachloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
Toluene	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317664	1	06/23/2021 05:05	OM
Trichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
Trichlorofluoromethane	BRL	10		ug/L	317664	1	06/23/2021 05:05	OM
Vinyl acetate	BRL	100		ug/L	317664	1	06/23/2021 05:05	OM
Vinyl chloride	BRL	2.0		ug/L	317664	1	06/23/2021 05:05	OM
Xylenes, Total	BRL	5.0		ug/L	317664	1	06/23/2021 05:05	OM
Surr: 4-Bromofluorobenzene	84.9	74.9-127		%REC	317664	1	06/23/2021 05:05	OM
Surr: Dibromofluoromethane	94.9	78.9-121		%REC	317664	1	06/23/2021 05:05	OM
Surr: Toluene-d8	97	81.5-120		%REC	317664	1	06/23/2021 05:05	OM

METALS, TOTAL SW6010D				(SW3010A)				
Arsenic	BRL	0.0500		mg/L	317579	1	06/25/2021 11:24	KB
Barium	BRL	0.0200		mg/L	317579	1	06/25/2021 11:24	KB
Cadmium	BRL	0.0050		mg/L	317579	1	06/25/2021 11:24	KB
Chromium	BRL	0.0100		mg/L	317579	1	06/25/2021 11:24	KB
Lead	BRL	0.0100		mg/L	317579	1	06/25/2021 11:24	KB
Nickel	BRL	0.0200		mg/L	317579	1	06/25/2021 11:24	KB
Selenium	BRL	0.0200		mg/L	317579	1	06/25/2021 16:42	KB
Silver	BRL	0.0100		mg/L	317579	1	06/25/2021 11:24	KB
Zinc	BRL	0.0200		mg/L	317579	1	06/25/2021 11:24	KB

Qualifiers:

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

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

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWA-2
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/17/2021 11:10:00 AM
Lab ID: 2106O29-047	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	1.18	1.00		mg/L	R457825	1	06/22/2021 23:51	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	317937	1	06/28/2021 17:58	CB
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	317734	1	06/24/2021 17:24	SK
Inorganic Anions by IC E300.0								
Chloride	2.09	0.500		mg/L	R457978	1	06/23/2021 22:15	IP
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R457792	1	06/22/2021 14:00	SK
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	317579	1	06/25/2021 11:27	KB
Barium	BRL	0.0200		mg/L	317579	1	06/25/2021 11:27	KB
Cadmium	BRL	0.0050		mg/L	317579	1	06/25/2021 11:27	KB
Chromium	BRL	0.0100		mg/L	317579	1	06/25/2021 11:27	KB
Lead	BRL	0.0100		mg/L	317579	1	06/25/2021 11:27	KB
Nickel	BRL	0.0200		mg/L	317579	1	06/25/2021 11:27	KB
Selenium	BRL	0.0200		mg/L	317579	1	06/25/2021 16:51	KB
Silver	BRL	0.0100		mg/L	317579	1	06/25/2021 11:27	KB
Zinc	BRL	0.0200		mg/L	317579	1	06/25/2021 11:27	KB

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/17/2021 11:45:00 AM
Lab ID: 2106O29-048	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	6.15	1.00		mg/L	R457825	1	06/23/2021 00:10	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	317937	1	06/28/2021 17:59	CB
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	317734	1	06/24/2021 17:28	SK
Inorganic Anions by IC E300.0								
Chloride	2.94	0.500		mg/L	R457978	1	06/23/2021 22:31	IP
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	28.4	10.0		mg/L	R457792	1	06/22/2021 14:00	SK
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	317579	1	06/25/2021 11:30	KB
Barium	0.0381	0.0200		mg/L	317579	1	06/25/2021 11:30	KB
Cadmium	BRL	0.0050		mg/L	317579	1	06/25/2021 11:30	KB
Chromium	BRL	0.0100		mg/L	317579	1	06/25/2021 11:30	KB
Lead	BRL	0.0100		mg/L	317579	1	06/25/2021 11:30	KB
Nickel	BRL	0.0200		mg/L	317579	1	06/25/2021 11:30	KB
Selenium	BRL	0.0200		mg/L	317579	1	06/25/2021 11:30	KB
Silver	BRL	0.0100		mg/L	317579	1	06/25/2021 11:30	KB
Zinc	BRL	0.0200		mg/L	317579	1	06/25/2021 11:30	KB

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.
Lab ID: 2106O29-049

Client Sample ID: SWC-6
Collection Date: 6/17/2021 12:00:00 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	6.21	1.00		mg/L	R457825	1	06/23/2021 00:29	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	317937	1	06/28/2021 18:03	CB
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	317734	1	06/24/2021 17:32	SK
Inorganic Anions by IC E300.0								
Chloride	10.7	0.500		mg/L	R457978	1	06/23/2021 22:47	IP
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	10.1	10.0		mg/L	R457792	1	06/22/2021 14:00	SK
APPENDIX I VOLATILE ORGANICS SW8260D (SW5030B)								
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317664	1	06/23/2021 05:29	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317664	1	06/23/2021 05:29	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317664	1	06/23/2021 05:29	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 05:29	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 05:29	OM
2-Butanone	BRL	100		ug/L	317664	1	06/23/2021 05:29	OM
2-Hexanone	BRL	50		ug/L	317664	1	06/23/2021 05:29	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317664	1	06/23/2021 05:29	OM
Acetone	BRL	100		ug/L	317664	1	06/23/2021 05:29	OM
Acrylonitrile	BRL	50		ug/L	317664	1	06/23/2021 05:29	OM
Benzene	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
Bromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 05:29	OM
Bromodichloromethane	BRL	10		ug/L	317664	1	06/23/2021 05:29	OM
Bromoform	BRL	10		ug/L	317664	1	06/23/2021 05:29	OM
Bromomethane	BRL	10		ug/L	317664	1	06/23/2021 05:29	OM
Carbon disulfide	BRL	5.0		ug/L	317664	1	06/23/2021 05:29	OM
Carbon tetrachloride	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
Chlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 05:29	OM
Chloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
Chloroform	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
Chloromethane	BRL	10		ug/L	317664	1	06/23/2021 05:29	OM
cis-1,2-Dichloroethene	8.9	2.0		ug/L	317664	1	06/23/2021 05:29	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-6
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/17/2021 12:00:00 PM
Lab ID: 2106O29-049	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	317664	1	06/23/2021 05:29	OM
Dibromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 05:29	OM
Dibromomethane	BRL	10		ug/L	317664	1	06/23/2021 05:29	OM
Ethylbenzene	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
Iodomethane	BRL	100		ug/L	317664	1	06/23/2021 05:29	OM
Methylene chloride	BRL	5.0		ug/L	317664	1	06/23/2021 05:29	OM
Styrene	BRL	10		ug/L	317664	1	06/23/2021 05:29	OM
Tetrachloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
Toluene	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317664	1	06/23/2021 05:29	OM
Trichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
Trichlorofluoromethane	BRL	10		ug/L	317664	1	06/23/2021 05:29	OM
Vinyl acetate	BRL	100		ug/L	317664	1	06/23/2021 05:29	OM
Vinyl chloride	BRL	2.0		ug/L	317664	1	06/23/2021 05:29	OM
Xylenes, Total	BRL	5.0		ug/L	317664	1	06/23/2021 05:29	OM
Surr: 4-Bromofluorobenzene	84.4	74.9-127		%REC	317664	1	06/23/2021 05:29	OM
Surr: Dibromofluoromethane	93.3	78.9-121		%REC	317664	1	06/23/2021 05:29	OM
Surr: Toluene-d8	96.6	81.5-120		%REC	317664	1	06/23/2021 05:29	OM
METALS, TOTAL SW6010D				(SW3010A)				
Arsenic	BRL	0.0500		mg/L	317579	1	06/25/2021 11:38	KB
Barium	0.0375	0.0200		mg/L	317579	1	06/25/2021 11:38	KB
Cadmium	BRL	0.0050		mg/L	317579	1	06/25/2021 11:38	KB
Chromium	BRL	0.0100		mg/L	317579	1	06/25/2021 11:38	KB
Lead	BRL	0.0100		mg/L	317579	1	06/25/2021 11:38	KB
Nickel	BRL	0.0200		mg/L	317579	1	06/25/2021 11:38	KB
Selenium	BRL	0.0200		mg/L	317579	1	06/25/2021 11:38	KB
Silver	BRL	0.0100		mg/L	317579	1	06/25/2021 11:38	KB
Zinc	BRL	0.0200		mg/L	317579	1	06/25/2021 11:38	KB

Qualifiers:

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

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

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-5
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/17/2021 12:15:00 PM
Lab ID: 2106O29-050	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	8.45	1.00		mg/L	R457825	1	06/23/2021 00:47	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	317937	1	06/28/2021 18:59	CB
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	317734	1	06/24/2021 17:36	SK
Inorganic Anions by IC E300.0								
Chloride	20.6	0.500		mg/L	R457978	1	06/23/2021 23:04	IP
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	23.8	10.0		mg/L	R457792	1	06/22/2021 14:00	SK
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	317579	1	06/25/2021 11:41	KB
Barium	0.0610	0.0200		mg/L	317579	1	06/25/2021 11:41	KB
Cadmium	BRL	0.0050		mg/L	317579	1	06/25/2021 11:41	KB
Chromium	BRL	0.0100		mg/L	317579	1	06/25/2021 11:41	KB
Lead	BRL	0.0100		mg/L	317579	1	06/25/2021 11:41	KB
Nickel	BRL	0.0200		mg/L	317579	1	06/25/2021 11:41	KB
Selenium	BRL	0.0200		mg/L	317579	1	06/25/2021 11:41	KB
Silver	BRL	0.0100		mg/L	317579	1	06/25/2021 11:41	KB
Zinc	BRL	0.0200		mg/L	317579	1	06/25/2021 11:41	KB

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/17/2021 12:45:00 PM
Lab ID: 2106O29-051	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	10.7	1.00		mg/L	R457825	1	06/23/2021 01:05	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	317937	1	06/28/2021 19:01	CB
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	317734	1	06/24/2021 17:40	SK
Inorganic Anions by IC E300.0								
Chloride	3.67	0.500		mg/L	R457978	1	06/23/2021 23:20	IP
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	26.1	10.0		mg/L	R457792	1	06/22/2021 14:00	SK
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	317579	1	06/25/2021 11:44	KB
Barium	0.0371	0.0200		mg/L	317579	1	06/25/2021 11:44	KB
Cadmium	BRL	0.0050		mg/L	317579	1	06/25/2021 11:44	KB
Chromium	BRL	0.0100		mg/L	317579	1	06/25/2021 11:44	KB
Lead	BRL	0.0100		mg/L	317579	1	06/25/2021 11:44	KB
Nickel	BRL	0.0200		mg/L	317579	1	06/25/2021 11:44	KB
Selenium	BRL	0.0200		mg/L	317579	1	06/25/2021 11:44	KB
Silver	BRL	0.0100		mg/L	317579	1	06/25/2021 11:44	KB
Zinc	BRL	0.0200		mg/L	317579	1	06/25/2021 11:44	KB

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/17/2021 12:50:00 PM
Lab ID: 2106O29-052	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	R457825	1	06/23/2021 01:24	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	317937	1	06/28/2021 19:04	CB
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	317734	1	06/24/2021 17:44	SK
Inorganic Anions by IC E300.0								
Chloride	2.23	0.500		mg/L	R457978	1	06/24/2021 00:40	IP
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R457792	1	06/22/2021 14:00	SK
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	317579	1	06/25/2021 11:47	KB
Barium	BRL	0.0200		mg/L	317579	1	06/25/2021 11:47	KB
Cadmium	BRL	0.0050		mg/L	317579	1	06/25/2021 11:47	KB
Chromium	BRL	0.0100		mg/L	317579	1	06/25/2021 11:47	KB
Lead	BRL	0.0100		mg/L	317579	1	06/25/2021 11:47	KB
Nickel	BRL	0.0200		mg/L	317579	1	06/25/2021 11:47	KB
Selenium	BRL	0.0200		mg/L	317579	1	06/25/2021 11:47	KB
Silver	BRL	0.0100		mg/L	317579	1	06/25/2021 11:47	KB
Zinc	BRL	0.0200		mg/L	317579	1	06/25/2021 11:47	KB

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/17/2021 9:00:00 AM
Lab ID: 2106O29-053	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	317633	1	06/25/2021 22:46	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 22:46	AS
Barium	0.0425	0.0200		mg/L	317633	1	06/25/2021 22:46	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 22:46	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 22:46	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:46	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 22:46	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 22:46	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 22:46	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 22:46	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:46	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 22:46	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 22:46	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:46	AS
Zinc	BRL	0.0200		mg/L	317633	1	06/25/2021 22:46	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/17/2021 9:05:00 AM
Lab ID: 2106O29-054	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	317633	1	06/25/2021 22:50	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 22:50	AS
Barium	0.0524	0.0200		mg/L	317633	1	06/25/2021 22:50	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 22:50	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 22:50	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:50	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 22:50	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 22:50	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 22:50	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 22:50	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:50	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 22:50	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 22:50	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:50	AS
Zinc	BRL	0.0200		mg/L	317633	1	06/25/2021 22:50	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.	Collection Date: 6/17/2021 10:55:00 AM
Lab ID: 2106O29-055	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	317693	1	06/23/2021 15:16	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
1,1-Dichloroethane	3.0	2.0		ug/L	317693	1	06/23/2021 15:16	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317693	1	06/23/2021 15:16	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317693	1	06/23/2021 15:16	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
2-Butanone	BRL	100		ug/L	317693	1	06/23/2021 15:16	OM
2-Hexanone	BRL	50		ug/L	317693	1	06/23/2021 15:16	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317693	1	06/23/2021 15:16	OM
Acetone	BRL	100		ug/L	317693	1	06/23/2021 15:16	OM
Acetonitrile	BRL	200		ug/L	317693	1	06/23/2021 15:16	OM
Acrolein	BRL	50		ug/L	317693	1	06/23/2021 15:16	OM
Acrylonitrile	BRL	50		ug/L	317693	1	06/23/2021 15:16	OM
Allyl Chloride	BRL	100		ug/L	317693	1	06/23/2021 15:16	OM
Benzene	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
Bromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Bromodichloromethane	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Bromoform	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Bromomethane	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Carbon disulfide	BRL	5.0		ug/L	317693	1	06/23/2021 15:16	OM
Carbon tetrachloride	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
Chlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Chloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
Chloroform	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
Chloromethane	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Chloroprene	BRL	20		ug/L	317693	1	06/23/2021 15:16	OM
cis-1,2-Dichloroethene	7.0	2.0		ug/L	317693	1	06/23/2021 15:16	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
Dibromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Dibromomethane	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Dichlorodifluoromethane	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Ethyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Ethylbenzene	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	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 Co. Hightower Rd.
Lab ID: 2106O29-055

Client Sample ID: PH1-GWC-2
Collection Date: 6/17/2021 10:55:00 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	317693	1	06/23/2021 15:16	OM
Isobutyl Alcohol	BRL	200		ug/L	317693	1	06/23/2021 15:16	OM
Methyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Methylacrylonitrile	BRL	200		ug/L	317693	1	06/23/2021 15:16	OM
Methylene chloride	BRL	5.0		ug/L	317693	1	06/23/2021 15:16	OM
Naphthalene	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Propionitrile	BRL	100		ug/L	317693	1	06/23/2021 15:16	OM
Styrene	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Tetrachloroethene	3.7	2.0		ug/L	317693	1	06/23/2021 15:16	OM
Toluene	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317693	1	06/23/2021 15:16	OM
Trichloroethene	2.7	2.0		ug/L	317693	1	06/23/2021 15:16	OM
Trichlorofluoromethane	BRL	10		ug/L	317693	1	06/23/2021 15:16	OM
Vinyl acetate	BRL	100		ug/L	317693	1	06/23/2021 15:16	OM
Vinyl chloride	BRL	2.0		ug/L	317693	1	06/23/2021 15:16	OM
Xylenes, Total	BRL	5.0		ug/L	317693	1	06/23/2021 15:16	OM
Surr: 4-Bromofluorobenzene	83.2	74.9-127		%REC	317693	1	06/23/2021 15:16	OM
Surr: Dibromofluoromethane	93.2	78.9-121		%REC	317693	1	06/23/2021 15:16	OM
Surr: Toluene-d8	96.2	81.5-120		%REC	317693	1	06/23/2021 15:16	OM

APPENDIX I METALS SW6020B**(SW3005A)**

Antimony	BRL	0.00600		mg/L	317633	1	06/25/2021 22:53	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 22:53	AS
Barium	0.0206	0.0200		mg/L	317633	1	06/25/2021 22:53	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 22:53	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 22:53	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:53	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 22:53	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 22:53	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 22:53	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 22:53	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:53	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 22:53	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 22:53	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:53	AS
Zinc	BRL	0.0200		mg/L	317633	1	06/25/2021 22:53	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.
Lab ID: 2106O29-056

Client Sample ID: GWA-1A
Collection Date: 6/17/2021 10:00:00 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	317664	1	06/23/2021 05:54	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317664	1	06/23/2021 05:54	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317664	1	06/23/2021 05:54	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317664	1	06/23/2021 05:54	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 05:54	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 05:54	OM
2-Butanone	BRL	100		ug/L	317664	1	06/23/2021 05:54	OM
2-Hexanone	BRL	50		ug/L	317664	1	06/23/2021 05:54	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317664	1	06/23/2021 05:54	OM
Acetone	BRL	100		ug/L	317664	1	06/23/2021 05:54	OM
Acrylonitrile	BRL	50		ug/L	317664	1	06/23/2021 05:54	OM
Benzene	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
Bromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 05:54	OM
Bromodichloromethane	BRL	10		ug/L	317664	1	06/23/2021 05:54	OM
Bromoform	BRL	10		ug/L	317664	1	06/23/2021 05:54	OM
Bromomethane	BRL	10		ug/L	317664	1	06/23/2021 05:54	OM
Carbon disulfide	BRL	5.0		ug/L	317664	1	06/23/2021 05:54	OM
Carbon tetrachloride	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
Chlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 05:54	OM
Chloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
Chloroform	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
Chloromethane	BRL	10		ug/L	317664	1	06/23/2021 05:54	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
Dibromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 05:54	OM
Dibromomethane	BRL	10		ug/L	317664	1	06/23/2021 05:54	OM
Ethylbenzene	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
Iodomethane	BRL	100		ug/L	317664	1	06/23/2021 05:54	OM
Methylene chloride	BRL	5.0		ug/L	317664	1	06/23/2021 05:54	OM
Styrene	BRL	10		ug/L	317664	1	06/23/2021 05:54	OM
Tetrachloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
Toluene	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317664	1	06/23/2021 05:54	OM
Trichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 05:54	OM
Trichlorofluoromethane	BRL	10		ug/L	317664	1	06/23/2021 05:54	OM
Vinyl acetate	BRL	100		ug/L	317664	1	06/23/2021 05:54	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.	Client Sample ID: GWA-1A
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/17/2021 10:00:00 AM
Lab ID: 2106O29-056	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	317664	1	06/23/2021 05:54	OM
Xylenes, Total	BRL	5.0		ug/L	317664	1	06/23/2021 05:54	OM
Surr: 4-Bromofluorobenzene	83.2	74.9-127		%REC	317664	1	06/23/2021 05:54	OM
Surr: Dibromofluoromethane	93.6	78.9-121		%REC	317664	1	06/23/2021 05:54	OM
Surr: Toluene-d8	95	81.5-120		%REC	317664	1	06/23/2021 05:54	OM
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	317633	1	06/25/2021 22:57	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 22:57	AS
Barium	0.0374	0.0200		mg/L	317633	1	06/25/2021 22:57	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 22:57	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 22:57	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:57	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 22:57	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 22:57	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 22:57	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 22:57	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 22:57	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 22:57	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 22:57	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 22:57	AS
Zinc	BRL	0.0200		mg/L	317633	1	06/25/2021 22:57	AS

Qualifiers:

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case 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 Co. Hightower Rd.
Lab ID: 2106O29-057

Client Sample ID: GWC-4A
Collection Date: 6/17/2021 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	317664	1	06/23/2021 06:18	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
1,2,3-Trichloropropane	BRL	10		ug/L	317664	1	06/23/2021 06:18	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	317664	1	06/23/2021 06:18	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317664	1	06/23/2021 06:18	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 06:18	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 06:18	OM
2-Butanone	BRL	100		ug/L	317664	1	06/23/2021 06:18	OM
2-Hexanone	BRL	50		ug/L	317664	1	06/23/2021 06:18	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317664	1	06/23/2021 06:18	OM
Acetone	BRL	100		ug/L	317664	1	06/23/2021 06:18	OM
Acrylonitrile	BRL	50		ug/L	317664	1	06/23/2021 06:18	OM
Benzene	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
Bromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 06:18	OM
Bromodichloromethane	BRL	10		ug/L	317664	1	06/23/2021 06:18	OM
Bromoform	BRL	10		ug/L	317664	1	06/23/2021 06:18	OM
Bromomethane	BRL	10		ug/L	317664	1	06/23/2021 06:18	OM
Carbon disulfide	BRL	5.0		ug/L	317664	1	06/23/2021 06:18	OM
Carbon tetrachloride	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
Chlorobenzene	BRL	10		ug/L	317664	1	06/23/2021 06:18	OM
Chloroethane	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
Chloroform	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
Chloromethane	BRL	10		ug/L	317664	1	06/23/2021 06:18	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
Dibromochloromethane	BRL	10		ug/L	317664	1	06/23/2021 06:18	OM
Dibromomethane	BRL	10		ug/L	317664	1	06/23/2021 06:18	OM
Ethylbenzene	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
Iodomethane	BRL	100		ug/L	317664	1	06/23/2021 06:18	OM
Methylene chloride	BRL	5.0		ug/L	317664	1	06/23/2021 06:18	OM
Styrene	BRL	10		ug/L	317664	1	06/23/2021 06:18	OM
Tetrachloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
Toluene	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317664	1	06/23/2021 06:18	OM
Trichloroethene	BRL	2.0		ug/L	317664	1	06/23/2021 06:18	OM
Trichlorofluoromethane	BRL	10		ug/L	317664	1	06/23/2021 06:18	OM
Vinyl acetate	BRL	100		ug/L	317664	1	06/23/2021 06:18	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-4A
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/17/2021 12:25:00 PM
Lab ID: 2106O29-057	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	317664	1	06/23/2021 06:18	OM
Xylenes, Total	BRL	5.0		ug/L	317664	1	06/23/2021 06:18	OM
Surr: 4-Bromofluorobenzene	84.8	74.9-127		%REC	317664	1	06/23/2021 06:18	OM
Surr: Dibromofluoromethane	94.7	78.9-121		%REC	317664	1	06/23/2021 06:18	OM
Surr: Toluene-d8	96.2	81.5-120		%REC	317664	1	06/23/2021 06:18	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: TRIP BLANK
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/17/2021
Lab ID: 2106O29-058	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	317693	1	06/23/2021 11:37	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317693	1	06/23/2021 11:37	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317693	1	06/23/2021 11:37	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
2-Butanone	BRL	100		ug/L	317693	1	06/23/2021 11:37	OM
2-Hexanone	BRL	50		ug/L	317693	1	06/23/2021 11:37	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317693	1	06/23/2021 11:37	OM
Acetone	BRL	100		ug/L	317693	1	06/23/2021 11:37	OM
Acetonitrile	BRL	200		ug/L	317693	1	06/23/2021 11:37	OM
Acrolein	BRL	50		ug/L	317693	1	06/23/2021 11:37	OM
Acrylonitrile	BRL	50		ug/L	317693	1	06/23/2021 11:37	OM
Allyl Chloride	BRL	100		ug/L	317693	1	06/23/2021 11:37	OM
Benzene	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
Bromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Bromodichloromethane	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Bromoform	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Bromomethane	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Carbon disulfide	BRL	5.0		ug/L	317693	1	06/23/2021 11:37	OM
Carbon tetrachloride	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
Chlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Chloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
Chloroform	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
Chloromethane	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Chloroprene	BRL	20		ug/L	317693	1	06/23/2021 11:37	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
Dibromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Dibromomethane	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Dichlorodifluoromethane	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Ethyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Ethylbenzene	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	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 Co. Hightower Rd.	Collection Date: 6/17/2021
Lab ID: 2106O29-058	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	317693	1	06/23/2021 11:37	OM
Isobutyl Alcohol	BRL	200		ug/L	317693	1	06/23/2021 11:37	OM
Methyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Methylacrylonitrile	BRL	200		ug/L	317693	1	06/23/2021 11:37	OM
Methylene chloride	BRL	5.0		ug/L	317693	1	06/23/2021 11:37	OM
Naphthalene	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Propionitrile	BRL	100		ug/L	317693	1	06/23/2021 11:37	OM
Styrene	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Tetrachloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
Toluene	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317693	1	06/23/2021 11:37	OM
Trichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
Trichlorofluoromethane	BRL	10		ug/L	317693	1	06/23/2021 11:37	OM
Vinyl acetate	BRL	100		ug/L	317693	1	06/23/2021 11:37	OM
Vinyl chloride	BRL	2.0		ug/L	317693	1	06/23/2021 11:37	OM
Xylenes, Total	BRL	5.0		ug/L	317693	1	06/23/2021 11:37	OM
Surr: 4-Bromofluorobenzene	84.4	74.9-127		%REC	317693	1	06/23/2021 11:37	OM
Surr: Dibromofluoromethane	91.1	78.9-121		%REC	317693	1	06/23/2021 11:37	OM
Surr: Toluene-d8	95.8	81.5-120		%REC	317693	1	06/23/2021 11:37	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 Co. Hightower Rd.	Collection Date: 6/18/2021 9:25:00 AM
Lab ID: 2106O29-059	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	317633	1	06/25/2021 23:01	AS
Arsenic	BRL	0.0100		mg/L	317633	1	06/25/2021 23:01	AS
Barium	0.0357	0.0200		mg/L	317633	1	06/25/2021 23:01	AS
Beryllium	BRL	0.00300		mg/L	317633	1	06/25/2021 23:01	AS
Cadmium	BRL	0.00500		mg/L	317633	1	06/25/2021 23:01	AS
Chromium	BRL	0.0100		mg/L	317633	1	06/25/2021 23:01	AS
Cobalt	BRL	0.0400		mg/L	317633	1	06/25/2021 23:01	AS
Copper	BRL	0.0200		mg/L	317633	1	06/25/2021 23:01	AS
Lead	BRL	0.0150		mg/L	317633	1	06/25/2021 23:01	AS
Nickel	BRL	0.0200		mg/L	317633	1	06/25/2021 23:01	AS
Selenium	BRL	0.0100		mg/L	317633	1	06/25/2021 23:01	AS
Silver	BRL	0.0100		mg/L	317633	1	06/25/2021 23:01	AS
Thallium	BRL	0.00200		mg/L	317633	1	06/25/2021 23:01	AS
Vanadium	BRL	0.0200		mg/L	317633	1	06/25/2021 23:01	AS
Zinc	BRL	0.0200		mg/L	317633	1	06/25/2021 23:01	AS

Qualifiers:

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

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

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: TRIP BLANK 2
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/17/2021
Lab ID: 2106O29-060	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D				(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
1,1-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
1,1-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
1,1-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	317693	1	06/23/2021 12:01	OM
1,2-Dibromoethane	BRL	1.0		ug/L	317693	1	06/23/2021 12:01	OM
1,2-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
1,2-Dichloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
1,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
1,3-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
1,3-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
1,4-Dichlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
2,2-Dichloropropane	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
2-Butanone	BRL	100		ug/L	317693	1	06/23/2021 12:01	OM
2-Hexanone	BRL	50		ug/L	317693	1	06/23/2021 12:01	OM
4-Methyl-2-pentanone	BRL	50		ug/L	317693	1	06/23/2021 12:01	OM
Acetone	BRL	100		ug/L	317693	1	06/23/2021 12:01	OM
Acetonitrile	BRL	200		ug/L	317693	1	06/23/2021 12:01	OM
Acrolein	BRL	50		ug/L	317693	1	06/23/2021 12:01	OM
Acrylonitrile	BRL	50		ug/L	317693	1	06/23/2021 12:01	OM
Allyl Chloride	BRL	100		ug/L	317693	1	06/23/2021 12:01	OM
Benzene	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
Bromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Bromodichloromethane	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Bromoform	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Bromomethane	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Carbon disulfide	BRL	5.0		ug/L	317693	1	06/23/2021 12:01	OM
Carbon tetrachloride	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
Chlorobenzene	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Chloroethane	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
Chloroform	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
Chloromethane	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Chloroprene	BRL	20		ug/L	317693	1	06/23/2021 12:01	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
Dibromochloromethane	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Dibromomethane	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Dichlorodifluoromethane	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Ethyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Ethylbenzene	BRL	2.0		ug/L	317693	1	06/23/2021 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 2
Project Name: Forsyth Co. Hightower Rd.	Collection Date: 6/17/2021
Lab ID: 2106O29-060	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	317693	1	06/23/2021 12:01	OM
Isobutyl Alcohol	BRL	200		ug/L	317693	1	06/23/2021 12:01	OM
Methyl Methacrylate	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Methylacrylonitrile	BRL	200		ug/L	317693	1	06/23/2021 12:01	OM
Methylene chloride	BRL	5.0		ug/L	317693	1	06/23/2021 12:01	OM
Naphthalene	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Propionitrile	BRL	100		ug/L	317693	1	06/23/2021 12:01	OM
Styrene	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Tetrachloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
Toluene	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	317693	1	06/23/2021 12:01	OM
Trichloroethene	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
Trichlorofluoromethane	BRL	10		ug/L	317693	1	06/23/2021 12:01	OM
Vinyl acetate	BRL	100		ug/L	317693	1	06/23/2021 12:01	OM
Vinyl chloride	BRL	2.0		ug/L	317693	1	06/23/2021 12:01	OM
Xylenes, Total	BRL	5.0		ug/L	317693	1	06/23/2021 12:01	OM
Surr: 4-Bromofluorobenzene	84.1	74.9-127		%REC	317693	1	06/23/2021 12:01	OM
Surr: Dibromofluoromethane	95.3	78.9-121		%REC	317693	1	06/23/2021 12:01	OM
Surr: Toluene-d8	95.9	81.5-120		%REC	317693	1	06/23/2021 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: 2106029

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 type="radio"/>	<input checked="" 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 2.0 °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). MA 6/24/22

	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 type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input checked="" type="checkbox"/>	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MA 6/24/22

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

	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). MA 6/24/22

Locked

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317415

Sample ID: MB-317415	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457627							
Sample Type: MBLK	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 317415	Analysis Date: 06/21/2021	Seq No: 10478958							
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									
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-Dinitrotoluene	BRL	10									
2-Chloronaphthalene	BRL	10									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Nitroaniline	BRL	25									
2-Nitrophenol	BRL	10									
3,3'-Dichlorobenzidine	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
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									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317415

Sample ID: MB-317415	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457627							
SampleType: MBLK	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 317415	Analysis Date: 06/21/2021	Seq No: 10478958							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Anthracene	BRL	10									
Atrazine	BRL	10									
Benz(a)anthracene	BRL	10									
Benzaldehyde	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	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									
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethyl phthalate	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317415

Sample ID: MB-317415	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457627							
SampleType: MBLK	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 317415	Analysis Date: 06/21/2021	Seq No: 10478958							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Hexachloroethane	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isophorone	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	65.17	0	100.0		65.2	47	127				
Surr: 2-Fluorobiphenyl	41.15	0	50.00		82.3	47.4	119				
Surr: 2-Fluorophenol	52.34	0	100.0		52.3	26.2	120				
Surr: 4-Terphenyl-d14	48.36	0	50.00		96.7	45	133				
Surr: Nitrobenzene-d5	42.41	0	50.00		84.8	41.9	121				
Surr: Phenol-d5	36.51	0	100.0		36.5	17.8	120				

Sample ID: LCS-317415	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457619							
SampleType: LCS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 317415	Analysis Date: 06/22/2021	Seq No: 10480153							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	84.84	10	100.0		84.8	60.1	123				
2-Chlorophenol	53.37	10	100.0		53.4	50.6	120				
4-Chloro-3-methylphenol	75.11	10	100.0		75.1	59.5	122				
4-Nitrophenol	33.69	25	100.0		33.7	20	120				
Acenaphthene	76.61	10	100.0		76.6	60.5	119				
N-Nitrosodi-n-propylamine	65.21	10	100.0		65.2	62.3	127				

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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317415

Sample ID: LCS-317415	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457619							
SampleType: LCS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 317415	Analysis Date: 06/22/2021	Seq No: 10480153							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Pentachlorophenol	72.46	25	100.0		72.5	50.9	120				
Phenol	28.77	10	100.0		28.8	20.1	120				
Pyrene	79.12	10	100.0		79.1	68.8	139				
Surr: 2,4,6-Tribromophenol	104.7	0	100.0		105	47	127				
Surr: 2-Fluorobiphenyl	39.39	0	50.00		78.8	47.4	119				
Surr: 2-Fluorophenol	34.47	0	100.0		34.5	26.2	120				
Surr: 4-Terphenyl-d14	44.60	0	50.00		89.2	45	133				
Surr: Nitrobenzene-d5	32.49	0	50.00		65.0	41.9	121				
Surr: Phenol-d5	29.38	0	100.0		29.4	17.8	120				

Sample ID: 2106L28-017BMS	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457627							
SampleType: MS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 317415	Analysis Date: 06/21/2021	Seq No: 10478961							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	61.66	10	100.0		61.7	50.3	123				
2-Chlorophenol	45.94	10	100.0		45.9	50.8	120				S
4-Chloro-3-methylphenol	61.98	10	100.0		62.0	47.1	124				
4-Nitrophenol	BRL	25	100.0		23.8	21.8	120				
Acenaphthene	76.03	10	100.0		76.0	44.7	119				
N-Nitrosodi-n-propylamine	73.07	10	100.0		73.1	52.1	120				
Pentachlorophenol	32.15	25	100.0		32.2	40	120				S
Phenol	25.94	10	100.0		25.9	31.5	120				S
Pyrene	80.53	10	100.0		80.5	51	129				
Surr: 2,4,6-Tribromophenol	49.15	0	100.0		49.2	47	127				
Surr: 2-Fluorobiphenyl	35.84	0	50.00		71.7	47.4	119				
Surr: 2-Fluorophenol	29.24	0	100.0		29.2	26.2	120				
Surr: 4-Terphenyl-d14	40.15	0	50.00		80.3	45	133				
Surr: Nitrobenzene-d5	35.34	0	50.00		70.7	41.9	121				

Qualifiers: > Greater than Result value < Less than Result value B Analyte detected in the associated method blank
 BRL Below reporting limit E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified R RPD outside limits due to matrix
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317415

Sample ID: 2106L28-017BMS	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457627							
SampleType: MS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 317415	Analysis Date: 06/21/2021	Seq No: 10478961							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: Phenol-d5 26.75 0 100.0 26.8 17.8 120

Sample ID: 2106L28-017BMSD	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457627							
SampleType: MSD	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 317415	Analysis Date: 06/21/2021	Seq No: 10478962							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	63.50	10	100.0		63.5	50.3	123	61.66	2.94	21.7	
2-Chlorophenol	49.42	10	100.0		49.4	50.8	120	45.94	7.30	24.8	S
4-Chloro-3-methylphenol	61.91	10	100.0		61.9	47.1	124	61.98	0.113	20.7	
4-Nitrophenol	30.82	25	100.0		30.8	21.8	120	23.77	25.8	38.3	
Acenaphthene	74.86	10	100.0		74.9	44.7	119	76.03	1.55	20.5	
N-Nitrosodi-n-propylamine	65.96	10	100.0		66.0	52.1	120	73.07	10.2	29.2	
Pentachlorophenol	41.38	25	100.0		41.4	40	120	32.15	25.1	30.7	
Phenol	27.62	10	100.0		27.6	31.5	120	25.94	6.27	28.5	S
Pyrene	80.62	10	100.0		80.6	51	129	80.53	0.112	24.8	
Surr: 2,4,6-Tribromophenol	58.72	0	100.0		58.7	47	127	49.15	0	0	
Surr: 2-Fluorobiphenyl	34.26	0	50.00		68.5	47.4	119	35.84	0	0	
Surr: 2-Fluorophenol	34.93	0	100.0		34.9	26.2	120	29.24	0	0	
Surr: 4-Terphenyl-d14	40.50	0	50.00		81.0	45	133	40.15	0	0	
Surr: Nitrobenzene-d5	32.14	0	50.00		64.3	41.9	121	35.34	0	0	
Surr: Phenol-d5	28.81	0	100.0		28.8	17.8	120	26.75	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 Co. Hightower Rd.
Workorder: 2106O29

ANALYTICAL QC SUMMARY REPORT

BatchID: 317579

Sample ID: MB-317579	Client ID:	Units: mg/L	Prep Date: 06/24/2021	Run No: 458148							
SampleType: MBLK	TestCode: METALS, TOTAL SW6010D	BatchID: 317579	Analysis Date: 06/25/2021	Seq No: 10492316							
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-317579	Client ID:	Units: mg/L	Prep Date: 06/24/2021	Run No: 458148							
SampleType: LCS	TestCode: METALS, TOTAL SW6010D	BatchID: 317579	Analysis Date: 06/25/2021	Seq No: 10492317							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.071	0.0500	1.000		107	80	120				
Barium	1.033	0.0200	1.000		103	80	120				
Cadmium	0.9906	0.0050	1.000		99.1	80	120				
Chromium	1.014	0.0100	1.000		101	80	120				
Lead	0.9915	0.0100	1.000		99.2	80	120				
Nickel	1.008	0.0200	1.000		101	80	120				
Selenium	0.9571	0.0200	1.000		95.7	80	120				
Silver	0.1004	0.0100	0.1000		100	80	120				
Zinc	0.9488	0.0200	1.000		94.9	80	120				

Sample ID: 2106O29-045BMS	Client ID: SWC-1	Units: mg/L	Prep Date: 06/24/2021	Run No: 458148							
SampleType: MS	TestCode: METALS, TOTAL SW6010D	BatchID: 317579	Analysis Date: 06/25/2021	Seq No: 10492319							
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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317579

Sample ID: 2106029-045BMS	Client ID: SWC-1	Units: mg/L	Prep Date: 06/24/2021	Run No: 458148							
SampleType: MS	TestCode: METALS, TOTAL SW6010D	BatchID: 317579	Analysis Date: 06/25/2021	Seq No: 10492319							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.045	0.0500	1.000		105	75	125				
Barium	1.025	0.0200	1.000	0.01781	101	75	125				
Cadmium	0.9742	0.0050	1.000		97.4	75	125				
Chromium	0.9915	0.0100	1.000		99.2	75	125				
Lead	0.9661	0.0100	1.000		96.6	75	125				
Nickel	0.9829	0.0200	1.000	0.007010	97.6	75	125				
Selenium	0.9473	0.0200	1.000	0.007880	93.9	75	125				
Silver	0.09854	0.0100	0.1000		98.5	75	125				
Zinc	0.9231	0.0200	1.000	0.008100	91.5	75	125				

Sample ID: 2106029-045BMSD	Client ID: SWC-1	Units: mg/L	Prep Date: 06/24/2021	Run No: 458148							
SampleType: MSD	TestCode: METALS, TOTAL SW6010D	BatchID: 317579	Analysis Date: 06/25/2021	Seq No: 10492320							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.243	0.0500	1.000		124	75	125	1.045	17.2	20	
Barium	1.152	0.0200	1.000	0.01781	113	75	125	1.025	11.6	20	
Cadmium	1.166	0.0050	1.000		117	75	125	0.9742	17.9	20	
Chromium	1.038	0.0100	1.000		104	75	125	0.9915	4.58	20	
Lead	1.097	0.0100	1.000		110	75	125	0.9661	12.7	20	
Nickel	1.114	0.0200	1.000	0.007010	111	75	125	0.9829	12.5	20	
Selenium	1.234	0.0200	1.000	0.007880	123	75	125	0.9473	26.3	20	R
Silver	0.1106	0.0100	0.1000		111	75	125	0.09854	11.6	20	
Zinc	1.148	0.0200	1.000	0.008100	114	75	125	0.9231	21.7	20	R

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 Co. Hightower Rd.
Workorder: 2106O29

ANALYTICAL QC SUMMARY REPORT

BatchID: 317617

Sample ID: MB-317617	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457805							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317617	Analysis Date: 06/21/2021	Seq No: 10482178							
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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317617

Sample ID: MB-317617	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457805							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317617	Analysis Date: 06/21/2021	Seq No: 10482178							
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	40.65	0	50.00		81.3	74.9	127				
Surr: Dibromofluoromethane	47.11	0	50.00		94.2	78.9	121				
Surr: Toluene-d8	48.25	0	50.00		96.5	81.5	120				

Sample ID: LCS-317617	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457805							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317617	Analysis Date: 06/21/2021	Seq No: 10482526							
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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317617

Sample ID: LCS-317617	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457805							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317617	Analysis Date: 06/21/2021	Seq No: 10482526							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	22.02	5.0	20.00		110	67.3	134				
Benzene	21.15	5.0	20.00		106	78.6	124				
Chlorobenzene	20.58	5.0	20.00		103	78.9	127				
Toluene	20.67	5.0	20.00		103	77.7	125				
Trichloroethene	20.52	5.0	20.00		103	77	130				
Surr: 4-Bromofluorobenzene	43.22	0	50.00		86.4	74.9	127				
Surr: Dibromofluoromethane	48.11	0	50.00		96.2	78.9	121				
Surr: Toluene-d8	48.13	0	50.00		96.3	81.5	120				

Sample ID: 2106M63-012AMS	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457805							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317617	Analysis Date: 06/22/2021	Seq No: 10482753							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	21.22	5.0	20.00		106	67.6	143				
Benzene	20.60	5.0	20.00		103	70.5	136				
Chlorobenzene	19.60	5.0	20.00		98.0	77.1	133				
Toluene	19.48	5.0	20.00		97.4	66.4	140				
Trichloroethene	20.46	5.0	20.00		102	75.1	140				
Surr: 4-Bromofluorobenzene	43.54	0	50.00		87.1	74.9	127				
Surr: Dibromofluoromethane	47.65	0	50.00		95.3	78.9	121				
Surr: Toluene-d8	48.15	0	50.00		96.3	81.5	120				

Sample ID: 2106M63-012AMSD	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457805							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317617	Analysis Date: 06/22/2021	Seq No: 10482754							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	20.84	5.0	20.00		104	67.6	143	21.22	1.81	19.6	
Benzene	19.97	5.0	20.00		99.8	70.5	136	20.60	3.11	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 Co. Hightower Rd.
Workorder: 2106O29

ANALYTICAL QC SUMMARY REPORT

BatchID: 317617

Sample ID: 2106M63-012AMSD	Client ID:	Units: ug/L	Prep Date: 06/21/2021	Run No: 457805							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317617	Analysis Date: 06/22/2021	Seq No: 10482754							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	18.90	5.0	20.00		94.5	77.1	133	19.60	3.64	20	
Toluene	18.83	5.0	20.00		94.2	66.4	140	19.48	3.39	20	
Trichloroethene	19.23	5.0	20.00		96.2	75.1	140	20.46	6.20	20	
Surr: 4-Bromofluorobenzene	44.16	0	50.00		88.3	74.9	127	43.54	0	0	
Surr: Dibromofluoromethane	48.32	0	50.00		96.6	78.9	121	47.65	0	0	
Surr: Toluene-d8	47.85	0	50.00		95.7	81.5	120	48.15	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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317632

Sample ID: MB-317632	Client ID:	Units: mg/L	Prep Date: 06/23/2021	Run No: 458206							
SampleType: MBLK	TestCode: APPENDIX I METALS SW6020B	BatchID: 317632	Analysis Date: 06/25/2021	Seq No: 10494325							
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: MB-317632	Client ID:	Units: mg/L	Prep Date: 06/23/2021	Run No: 458205							
SampleType: MBLK	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 317632	Analysis Date: 06/29/2021	Seq No: 10500774							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Potassium	BRL	0.100									
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Sample ID: LCS-317632	Client ID:	Units: mg/L	Prep Date: 06/23/2021	Run No: 458206							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 317632	Analysis Date: 06/25/2021	Seq No: 10494326							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09617	0.00600	0.1000		96.2	80	120				
Arsenic	0.09896	0.0100	0.1000		99.0	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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317632

Sample ID: LCS-317632	Client ID:	Units: mg/L	Prep Date: 06/23/2021	Run No: 458206							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 317632	Analysis Date: 06/25/2021	Seq No: 10494326							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Barium	0.09476	0.0200	0.1000		94.8	80	120				
Beryllium	0.1043	0.00400	0.1000		104	80	120				
Cadmium	0.09690	0.00500	0.1000		96.9	80	120				
Chromium	0.1003	0.0200	0.1000		100	80	120				
Cobalt	0.1011	0.0500	0.1000		101	80	120				
Copper	0.09666	0.0200	0.1000		96.7	80	120				
Lead	0.1029	0.0100	0.1000		103	80	120				
Nickel	0.09383	0.0400	0.1000		93.8	80	120				
Selenium	0.09135	0.0500	0.1000		91.4	80	120				
Silver	0.009494	0.00500	0.0100		94.9	80	120				
Thallium	0.1021	0.00200	0.1000		102	80	120				
Vanadium	0.09830	0.0500	0.1000		98.3	80	120				
Zinc	0.08842	0.0200	0.1000		88.4	80	120				

Sample ID: LCS-317632	Client ID:	Units: mg/L	Prep Date: 06/23/2021	Run No: 458205							
SampleType: LCS	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 317632	Analysis Date: 06/29/2021	Seq No: 10500775							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Potassium	1.134	0.100	1.000		113	80	120				
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Sample ID: 2106029-003AMS	Client ID: GWC-2	Units: mg/L	Prep Date: 06/23/2021	Run No: 458206							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 317632	Analysis Date: 06/25/2021	Seq No: 10494328							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09980	0.00600	0.1000		99.8	75	125				
Arsenic	0.1029	0.0100	0.1000		103	75	125				
Barium	0.1088	0.0200	0.1000	0.01137	97.4	75	125				
Beryllium	0.1067	0.00400	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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317632

Sample ID: 2106029-003AMS	Client ID: GWC-2	Units: mg/L	Prep Date: 06/23/2021	Run No: 458206							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 317632	Analysis Date: 06/25/2021	Seq No: 10494328							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cadmium	0.1026	0.00500	0.1000		103	75	125				
Chromium	0.1043	0.0200	0.1000		104	75	125				
Cobalt	0.1065	0.0500	0.1000		107	75	125				
Copper	0.1023	0.0200	0.1000	0.002270	100	75	125				
Lead	0.1100	0.0100	0.1000		110	75	125				
Nickel	0.09975	0.0400	0.1000	0.0005784	99.2	75	125				
Selenium	0.09061	0.0500	0.1000		90.6	75	125				
Silver	0.01009	0.00500	0.0100		101	75	125				
Thallium	0.1053	0.00200	0.1000	0.0005308	105	75	125				
Vanadium	0.1007	0.0500	0.1000		101	75	125				
Zinc	0.1038	0.0200	0.1000	0.009092	94.7	75	125				

Sample ID: 2106029-003AMS	Client ID: GWC-2	Units: mg/L	Prep Date: 06/23/2021	Run No: 458205							
SampleType: MS	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 317632	Analysis Date: 06/29/2021	Seq No: 10500777							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Potassium	3.088	0.100	1.000	1.826	126	75	125				S
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Sample ID: 2106029-003AMSD	Client ID: GWC-2	Units: mg/L	Prep Date: 06/23/2021	Run No: 458206							
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 317632	Analysis Date: 06/25/2021	Seq No: 10494329							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1028	0.00600	0.1000		103	75	125	0.09980	2.96	20	
Arsenic	0.1037	0.0100	0.1000		104	75	125	0.1029	0.834	20	
Barium	0.1100	0.0200	0.1000	0.01137	98.6	75	125	0.1088	1.11	20	
Beryllium	0.1059	0.00400	0.1000		106	75	125	0.1067	0.787	20	
Cadmium	0.1012	0.00500	0.1000		101	75	125	0.1026	1.36	20	
Chromium	0.1060	0.0200	0.1000		106	75	125	0.1043	1.64	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 Co. Hightower Rd.
Workorder: 2106O29

ANALYTICAL QC SUMMARY REPORT

BatchID: 317632

Sample ID: 2106O29-003AMSD	Client ID: GWC-2	Units: mg/L	Prep Date: 06/23/2021	Run No: 458206							
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 317632	Analysis Date: 06/25/2021	Seq No: 10494329							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cobalt	0.1090	0.0500	0.1000		109	75	125	0.1065	2.31	20	
Copper	0.1020	0.0200	0.1000	0.002270	99.7	75	125	0.1023	0.286	20	
Lead	0.1140	0.0100	0.1000		114	75	125	0.1100	3.53	20	
Nickel	0.1003	0.0400	0.1000	0.0005784	99.7	75	125	0.09975	0.503	20	
Selenium	0.09302	0.0500	0.1000		93.0	75	125	0.09061	2.62	20	
Silver	0.01031	0.00500	0.0100		103	75	125	0.01009	2.24	20	
Thallium	0.1119	0.00200	0.1000	0.0005308	111	75	125	0.1053	6.11	20	
Vanadium	0.1032	0.0500	0.1000		103	75	125	0.1007	2.39	20	
Zinc	0.1025	0.0200	0.1000	0.009092	93.4	75	125	0.1038	1.27	20	

Sample ID: 2106O29-003AMSD	Client ID: GWC-2	Units: mg/L	Prep Date: 06/23/2021	Run No: 458205							
SampleType: MSD	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 317632	Analysis Date: 06/29/2021	Seq No: 10500778							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Potassium	2.728	0.100	1.000	1.826	90.2	75	125	3.088	12.4	20	
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Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317633

Sample ID: MB-317633	Client ID:	Units: mg/L	Prep Date: 06/23/2021	Run No: 458213							
SampleType: MBLK	TestCode: APPENDIX I METALS SW6020B	BatchID: 317633	Analysis Date: 06/25/2021	Seq No: 10494562							
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: MB-317633	Client ID:	Units: mg/L	Prep Date: 06/23/2021	Run No: 458212							
SampleType: MBLK	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 317633	Analysis Date: 06/29/2021	Seq No: 10500809							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Potassium	BRL	0.100									
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Sample ID: LCS-317633	Client ID:	Units: mg/L	Prep Date: 06/23/2021	Run No: 458212							
SampleType: LCS	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 317633	Analysis Date: 06/29/2021	Seq No: 10500810							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Potassium	1.079	0.100	1.000		108	80	120				
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Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317633

Sample ID: LCS-317633	Client ID:	Units: mg/L	Prep Date: 06/23/2021	Run No: 458213							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 317633	Analysis Date: 06/29/2021	Seq No: 10500840							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1028	0.00600	0.1000		103	80	120				
Arsenic	0.1088	0.0100	0.1000		109	80	120				
Barium	0.1007	0.0200	0.1000		101	80	120				
Beryllium	0.1185	0.00400	0.1000		118	80	120				
Cadmium	0.1061	0.00500	0.1000		106	80	120				
Chromium	0.1151	0.0200	0.1000		115	80	120				
Cobalt	0.1124	0.0500	0.1000		112	80	120				
Copper	0.1167	0.0200	0.1000		117	80	120				
Lead	0.1042	0.0100	0.1000		104	80	120				
Nickel	0.1158	0.0400	0.1000		116	80	120				
Selenium	0.1032	0.0500	0.1000		103	80	120				
Silver	0.01055	0.00500	0.0100		105	80	120				
Thallium	0.1184	0.00200	0.1000		118	80	120				
Vanadium	0.1125	0.0500	0.1000		113	80	120				
Zinc	0.1068	0.0200	0.1000		107	80	120				

Sample ID: 2106029-031AMS	Client ID: AMW-12R	Units: mg/L	Prep Date: 06/23/2021	Run No: 458213							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 317633	Analysis Date: 06/25/2021	Seq No: 10494565							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1028	0.00600	0.1000		103	75	125				
Arsenic	0.1048	0.0100	0.1000		105	75	125				
Barium	0.1608	0.0200	0.1000	0.03748	123	75	125				
Beryllium	0.1126	0.00400	0.1000		113	75	125				
Cadmium	0.1074	0.00500	0.1000		107	75	125				
Chromium	0.1052	0.0200	0.1000		105	75	125				
Cobalt	0.1086	0.0500	0.1000		109	75	125				
Copper	0.1232	0.0200	0.1000		123	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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317633

Sample ID: 2106029-031AMS	Client ID: AMW-12R	Units: mg/L	Prep Date: 06/23/2021	Run No: 458213							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 317633	Analysis Date: 06/25/2021	Seq No: 10494565							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	0.1082	0.0100	0.1000		108	75	125				
Nickel	0.1112	0.0400	0.1000	0.0002388	111	75	125				
Selenium	0.1082	0.0500	0.1000		108	75	125				
Silver	0.01153	0.00500	0.0100		115	75	125				
Thallium	0.1154	0.00200	0.1000	0.0004962	115	75	125				
Vanadium	0.1038	0.0500	0.1000		104	75	125				
Zinc	0.1175	0.0200	0.1000		117	75	125				

Sample ID: 2106029-031AMS	Client ID: AMW-12R	Units: mg/L	Prep Date: 06/23/2021	Run No: 458212							
SampleType: MS	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 317633	Analysis Date: 06/29/2021	Seq No: 10500813							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Potassium	2.800	0.100	1.000	1.681	112	75	125				
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Sample ID: 2106029-031AMSD	Client ID: AMW-12R	Units: mg/L	Prep Date: 06/23/2021	Run No: 458213							
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 317633	Analysis Date: 06/25/2021	Seq No: 10494566							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1102	0.00600	0.1000		110	75	125	0.1028	6.91	20	
Arsenic	0.1112	0.0100	0.1000		111	75	125	0.1048	5.89	20	
Barium	0.1709	0.0200	0.1000	0.03748	133	75	125	0.1608	6.08	20	S
Beryllium	0.1034	0.00400	0.1000		103	75	125	0.1126	8.52	20	
Cadmium	0.09271	0.00500	0.1000		92.7	75	125	0.1074	14.7	20	
Chromium	0.1129	0.0200	0.1000		113	75	125	0.1052	7.05	20	
Cobalt	0.1160	0.0500	0.1000		116	75	125	0.1086	6.65	20	
Copper	0.1282	0.0200	0.1000		128	75	125	0.1232	3.98	20	S
Lead	0.1145	0.0100	0.1000		115	75	125	0.1082	5.74	20	
Nickel	0.1193	0.0400	0.1000	0.0002388	119	75	125	0.1112	6.99	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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317633

Sample ID: 2106029-031AMSD	Client ID: AMW-12R	Units: mg/L	Prep Date: 06/23/2021	Run No: 458213							
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 317633	Analysis Date: 06/25/2021	Seq No: 10494566							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Selenium	0.1144	0.0500	0.1000		114	75	125	0.1082	5.58	20	
Silver	0.01235	0.00500	0.0100		123	75	125	0.01153	6.88	20	
Thallium	0.1246	0.00200	0.1000	0.0004962	124	75	125	0.1154	7.66	20	
Vanadium	0.1107	0.0500	0.1000		111	75	125	0.1038	6.45	20	
Zinc	0.1277	0.0200	0.1000		128	75	125	0.1175	8.33	20	S

Sample ID: 2106029-031AMSD	Client ID: AMW-12R	Units: mg/L	Prep Date: 06/23/2021	Run No: 458212							
SampleType: MSD	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 317633	Analysis Date: 06/29/2021	Seq No: 10500814							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Potassium	2.485	0.100	1.000	1.681	80.4	75	125	2.800	11.9	20	
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Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth Co. Hightower Rd.
Workorder: 2106O29

ANALYTICAL QC SUMMARY REPORT

BatchID: 317664

Sample ID: MB-317664	Client ID:	Units: ug/L	Prep Date: 06/23/2021	Run No: 457849							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317664	Analysis Date: 06/23/2021	Seq No: 10483223							
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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317664

Sample ID: MB-317664	Client ID:	Units: ug/L	Prep Date: 06/23/2021	Run No: 457849							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317664	Analysis Date: 06/23/2021	Seq No: 10483223							
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	42.70	0	50.00		85.4	74.9	127				
Surr: Dibromofluoromethane	46.65	0	50.00		93.3	78.9	121				
Surr: Toluene-d8	47.61	0	50.00		95.2	81.5	120				

Sample ID: LCS-317664	Client ID:	Units: ug/L	Prep Date: 06/23/2021	Run No: 457849							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317664	Analysis Date: 06/23/2021	Seq No: 10483234							
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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317664

Sample ID: LCS-317664	Client ID:	Units: ug/L	Prep Date: 06/23/2021	Run No: 457849							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317664	Analysis Date: 06/23/2021	Seq No: 10483234							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	22.66	5.0	20.00		113	67.3	134				
Benzene	20.54	5.0	20.00		103	78.6	124				
Chlorobenzene	18.82	5.0	20.00		94.1	78.9	127				
Toluene	19.73	5.0	20.00		98.6	77.7	125				
Trichloroethene	19.86	5.0	20.00		99.3	77	130				
Surr: 4-Bromofluorobenzene	44.21	0	50.00		88.4	74.9	127				
Surr: Dibromofluoromethane	46.59	0	50.00		93.2	78.9	121				
Surr: Toluene-d8	48.76	0	50.00		97.5	81.5	120				

Sample ID: 2106029-023AMS	Client ID: GWC-4	Units: ug/L	Prep Date: 06/23/2021	Run No: 457849							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317664	Analysis Date: 06/23/2021	Seq No: 10485473							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	26.95	5.0	20.00		135	67.6	143				
Benzene	24.19	5.0	20.00		121	70.5	136				
Chlorobenzene	21.93	5.0	20.00		110	77.1	133				
Toluene	22.89	5.0	20.00		114	66.4	140				
Trichloroethene	23.67	5.0	20.00		118	75.1	140				
Surr: 4-Bromofluorobenzene	43.96	0	50.00		87.9	74.9	127				
Surr: Dibromofluoromethane	45.88	0	50.00		91.8	78.9	121				
Surr: Toluene-d8	48.37	0	50.00		96.7	81.5	120				

Sample ID: 2106029-023AMSD	Client ID: GWC-4	Units: ug/L	Prep Date: 06/23/2021	Run No: 457849							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 317664	Analysis Date: 06/23/2021	Seq No: 10485474							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	25.68	5.0	20.00		128	67.6	143	26.95	4.83	19.6	
Benzene	23.66	5.0	20.00		118	70.5	136	24.19	2.22	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 Co. Hightower Rd.
Workorder: 2106O29

ANALYTICAL QC SUMMARY REPORT

BatchID: 317664

Sample ID: **2106O29-023AMSD** Client ID: **GWC-4** Units: **ug/L** Prep Date: **06/23/2021** Run No: **457849**
 SampleType: **MSD** TestCode: **APPENDIX I VOLATILE ORGANICS SW8260D** BatchID: **317664** Analysis Date: **06/23/2021** Seq No: **10485474**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	21.35	5.0	20.00		107	77.1	133	21.93	2.68	20	
Toluene	22.15	5.0	20.00		111	66.4	140	22.89	3.29	20	
Trichloroethene	22.44	5.0	20.00		112	75.1	140	23.67	5.34	20	
Surr: 4-Bromofluorobenzene	44.00	0	50.00		88.0	74.9	127	43.96	0	0	
Surr: Dibromofluoromethane	48.08	0	50.00		96.2	78.9	121	45.88	0	0	
Surr: Toluene-d8	47.83	0	50.00		95.7	81.5	120	48.37	0	0	

Qualifiers: > Greater than Result value < Less than Result value B Analyte detected in the associated method blank
 BRL Below reporting limit E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified R RPD outside limits due to matrix
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth Co. Hightower Rd.
Workorder: 2106O29

ANALYTICAL QC SUMMARY REPORT

BatchID: 317693

Sample ID: MB-317693	Client ID:	Units: ug/L	Prep Date: 06/23/2021	Run No: 457917							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317693	Analysis Date: 06/23/2021	Seq No: 10485486							
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									
Acetonitrile	BRL	100									
Acrolein	BRL	20									
Acrylonitrile	BRL	5.0									
Allyl Chloride	BRL	10									
Benzene	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 Co. Hightower Rd.
Workorder: 2106O29

ANALYTICAL QC SUMMARY REPORT

BatchID: 317693

Sample ID: MB-317693	Client ID:	Units: ug/L	Prep Date: 06/23/2021	Run No: 457917							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317693	Analysis Date: 06/23/2021	Seq No: 10485486							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

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									
Chloroprene	BRL	20									
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									
Ethyl Methacrylate	BRL	10									
Ethylbenzene	BRL	1.0									
Iodomethane	BRL	2.0									
Isobutyl Alcohol	BRL	200									
Methyl Methacrylate	BRL	10									
Methylacrylonitrile	BRL	200									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
Propionitrile	BRL	100									
Styrene	BRL	1.0									
Tetrachloroethene	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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317693

Sample ID: MB-317693	Client ID:	Units: ug/L	Prep Date: 06/23/2021	Run No: 457917							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317693	Analysis Date: 06/23/2021	Seq No: 10485486							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

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	42.50	0	50.00		85.0	74.9	127				
Surr: Dibromofluoromethane	46.66	0	50.00		93.3	78.9	121				
Surr: Toluene-d8	47.81	0	50.00		95.6	81.5	120				

Sample ID: LCS-317693	Client ID:	Units: ug/L	Prep Date: 06/23/2021	Run No: 457917							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317693	Analysis Date: 06/23/2021	Seq No: 10485485							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	20.90	2.0	20.00		104	67.3	134				
Benzene	21.50	1.0	20.00		108	78.6	124				
Chlorobenzene	20.55	1.0	20.00		103	78.9	127				
Toluene	20.12	1.0	20.00		101	77.7	125				
Trichloroethene	20.09	1.0	20.00		100	77	130				
Surr: 4-Bromofluorobenzene	44.07	0	50.00		88.1	74.9	127				
Surr: Dibromofluoromethane	46.92	0	50.00		93.8	78.9	121				
Surr: Toluene-d8	48.28	0	50.00		96.6	81.5	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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317693

Sample ID: 2106P40-002AMS	Client ID:	Units: ug/L	Prep Date: 06/23/2021	Run No: 457917							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317693	Analysis Date: 06/24/2021	Seq No: 10488791							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	27.01	2.0	20.00		135	67.6	143				
Benzene	24.67	1.0	20.00		123	70.5	136				
Chlorobenzene	22.81	1.0	20.00		114	77.1	133				
Toluene	24.16	1.0	20.00		121	66.4	140				
Trichloroethene	24.09	1.0	20.00		120	75.1	140				
Surr: 4-Bromofluorobenzene	42.84	0	50.00		85.7	74.9	127				
Surr: Dibromofluoromethane	46.75	0	50.00		93.5	78.9	121				
Surr: Toluene-d8	49.87	0	50.00		99.7	81.5	120				

Sample ID: 2106P40-002AMSD	Client ID:	Units: ug/L	Prep Date: 06/23/2021	Run No: 457917							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 317693	Analysis Date: 06/24/2021	Seq No: 10488792							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	25.90	2.0	20.00		130	67.6	143	27.01	4.20	19.6	
Benzene	23.40	1.0	20.00		117	70.5	136	24.67	5.28	20	
Chlorobenzene	21.71	1.0	20.00		109	77.1	133	22.81	4.94	20	
Toluene	22.54	1.0	20.00		113	66.4	140	24.16	6.94	20	
Trichloroethene	22.12	1.0	20.00		111	75.1	140	24.09	8.53	20	
Surr: 4-Bromofluorobenzene	43.57	0	50.00		87.1	74.9	127	42.84	0	0	
Surr: Dibromofluoromethane	46.42	0	50.00		92.8	78.9	121	46.75	0	0	
Surr: Toluene-d8	48.87	0	50.00		97.7	81.5	120	49.87	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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317734

Sample ID: MB-317734	Client ID:	Units: mg/L	Prep Date: 06/24/2021	Run No: 458042							
SampleType: MBLK	TestCode: Mercury, Total SW7470A	BatchID: 317734	Analysis Date: 06/24/2021	Seq No: 10488596							
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-317734	Client ID:	Units: mg/L	Prep Date: 06/24/2021	Run No: 458042							
SampleType: LCS	TestCode: Mercury, Total SW7470A	BatchID: 317734	Analysis Date: 06/24/2021	Seq No: 10488597							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.003867 0.00020 0.0040 96.7 80 120

Sample ID: 2106N36-022AMS	Client ID:	Units: mg/L	Prep Date: 06/24/2021	Run No: 458042							
SampleType: MS	TestCode: Mercury, Total SW7470A	BatchID: 317734	Analysis Date: 06/24/2021	Seq No: 10488602							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.003844 0.00020 0.0040 96.1 75 125

Sample ID: 2106N36-022AMSD	Client ID:	Units: mg/L	Prep Date: 06/24/2021	Run No: 458042							
SampleType: MSD	TestCode: Mercury, Total SW7470A	BatchID: 317734	Analysis Date: 06/24/2021	Seq No: 10488604							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.003910 0.00020 0.0040 97.8 75 125 0.003844 1.70 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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317828

Sample ID: MB-317828	Client ID:	Units: mg/L	Prep Date: 06/27/2021	Run No: 458581							
SampleType: MBLK	TestCode: APPENDIX I METALS SW6020B	BatchID: 317828	Analysis Date: 06/29/2021	Seq No: 10505801							
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-317828	Client ID:	Units: mg/L	Prep Date: 06/27/2021	Run No: 458581							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 317828	Analysis Date: 06/29/2021	Seq No: 10505802							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1047	0.00600	0.1000		105	80	120				
Arsenic	0.1019	0.0100	0.1000		102	80	120				
Barium	0.1035	0.0200	0.1000		104	80	120				
Beryllium	0.09318	0.00400	0.1000		93.2	80	120				
Cadmium	0.1045	0.00500	0.1000		104	80	120				
Chromium	0.09833	0.0200	0.1000		98.3	80	120				
Cobalt	0.1003	0.0500	0.1000		100	80	120				
Copper	0.1100	0.0200	0.1000		110	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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317828

Sample ID: LCS-317828	Client ID:	Units: mg/L	Prep Date: 06/27/2021	Run No: 458581							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 317828	Analysis Date: 06/29/2021	Seq No: 10505802							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	0.1035	0.0100	0.1000		104	80	120				
Nickel	0.1029	0.0400	0.1000		103	80	120				
Selenium	0.09705	0.0500	0.1000		97.1	80	120				
Silver	0.009319	0.00500	0.0100		93.2	80	120				
Thallium	0.09955	0.00200	0.1000		99.5	80	120				
Vanadium	0.1012	0.0500	0.1000		101	80	120				
Zinc	0.1025	0.0200	0.1000		102	80	120				

Sample ID: 2106029-062AMS	Client ID: GWC-3A	Units: mg/L	Prep Date: 06/27/2021	Run No: 458581							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 317828	Analysis Date: 06/29/2021	Seq No: 10505804							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1004	0.00600	0.1000		100	75	125				
Arsenic	0.09886	0.0100	0.1000		98.9	75	125				
Barium	0.1364	0.0200	0.1000	0.03458	102	75	125				
Beryllium	0.09395	0.00400	0.1000		93.9	75	125				
Cadmium	0.1069	0.00500	0.1000		107	75	125				
Chromium	0.09923	0.0200	0.1000		99.2	75	125				
Cobalt	0.1019	0.0500	0.1000	0.0009354	101	75	125				
Copper	0.1099	0.0200	0.1000		110	75	125				
Lead	0.1013	0.0100	0.1000		101	75	125				
Nickel	0.1048	0.0400	0.1000	0.002079	103	75	125				
Selenium	0.09293	0.0500	0.1000		92.9	75	125				
Silver	0.009209	0.00500	0.0100		92.1	75	125				
Thallium	0.09762	0.00200	0.1000	0.0005406	97.1	75	125				
Vanadium	0.09701	0.0500	0.1000		97.0	75	125				
Zinc	0.1113	0.0200	0.1000	0.01226	99.0	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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317828

Sample ID: 2106029-062AMSD	Client ID: GWC-3A	Units: mg/L	Prep Date: 06/27/2021	Run No: 458581
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 317828	Analysis Date: 06/29/2021	Seq No: 10505805

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	0.09227	0.00600	0.1000		92.3	75	125	0.1004	8.40	20	
Arsenic	0.09254	0.0100	0.1000		92.5	75	125	0.09886	6.60	20	
Barium	0.1274	0.0200	0.1000	0.03458	92.8	75	125	0.1364	6.85	20	
Beryllium	0.09016	0.00400	0.1000		90.2	75	125	0.09395	4.11	20	
Cadmium	0.1048	0.00500	0.1000		105	75	125	0.1069	1.98	20	
Chromium	0.09057	0.0200	0.1000		90.6	75	125	0.09923	9.12	20	
Cobalt	0.09176	0.0500	0.1000	0.0009354	90.8	75	125	0.1019	10.5	20	
Copper	0.1019	0.0200	0.1000		102	75	125	0.1099	7.56	20	
Lead	0.09299	0.0100	0.1000		93.0	75	125	0.1013	8.56	20	
Nickel	0.09410	0.0400	0.1000	0.002079	92.0	75	125	0.1048	10.7	20	
Selenium	0.08444	0.0500	0.1000		84.4	75	125	0.09293	9.58	20	
Silver	0.008589	0.00500	0.0100		85.9	75	125	0.009209	6.97	20	
Thallium	0.09029	0.00200	0.1000	0.0005406	89.7	75	125	0.09762	7.80	20	
Vanadium	0.09244	0.0500	0.1000		92.4	75	125	0.09701	4.83	20	
Zinc	0.1040	0.0200	0.1000	0.01226	91.7	75	125	0.1113	6.78	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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: 317937

Sample ID: MB-317937	Client ID:	Units: mg/L	Prep Date: 06/28/2021	Run No: 458326							
SampleType: MBLK	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 317937	Analysis Date: 06/28/2021	Seq No: 10498202							
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-317937	Client ID:	Units: mg/L	Prep Date: 06/28/2021	Run No: 458326							
SampleType: LCS	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 317937	Analysis Date: 06/28/2021	Seq No: 10498203							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total

0.1030 0.010 0.1000 103 85 115

Sample ID: 2106072-001DMS	Client ID:	Units: mg/L	Prep Date: 06/28/2021	Run No: 458326							
SampleType: MS	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 317937	Analysis Date: 06/28/2021	Seq No: 10498639							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total

0.1010 0.010 0.1000 101 90 110

Sample ID: 2106R02-001AMS	Client ID:	Units: mg/L	Prep Date: 06/28/2021	Run No: 458326							
SampleType: MS	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 317937	Analysis Date: 06/28/2021	Seq No: 10498205							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total

0.09700 0.010 0.1000 0.003000 94.0 90 110

Sample ID: 2106R02-001AMSD	Client ID:	Units: mg/L	Prep Date: 06/28/2021	Run No: 458326							
SampleType: MSD	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 317937	Analysis Date: 06/28/2021	Seq No: 10498206							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total

0.09700 0.010 0.1000 0.003000 94.0 90 110 0.09700 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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: R457792

Sample ID: MB-R457792	Client ID:	Units: mg/L	Prep Date:	Run No: 457792							
SampleType: MBLK	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R457792	Analysis Date: 06/22/2021	Seq No: 10481921							
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-R457792	Client ID:	Units: mg/L	Prep Date:	Run No: 457792							
SampleType: LCS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R457792	Analysis Date: 06/22/2021	Seq No: 10481922							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 498.6 10.0 500.0 99.7 90 110

Sample ID: 2106O03-037DMS	Client ID:	Units: mg/L	Prep Date:	Run No: 457792							
SampleType: MS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R457792	Analysis Date: 06/22/2021	Seq No: 10481924							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 417.8 12.5 375.0 10.09 109 90 110

Sample ID: 2106O29-047DMS	Client ID: SWA-2	Units: mg/L	Prep Date:	Run No: 457792							
SampleType: MS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R457792	Analysis Date: 06/22/2021	Seq No: 10481937							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 389.3 12.5 375.0 104 90 110

Sample ID: 2106O03-037DMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 457792							
SampleType: MSD	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R457792	Analysis Date: 06/22/2021	Seq No: 10481925							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 397.8 12.5 375.0 10.09 103 90 110 417.8 4.90 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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: R457825

Sample ID: MB-R457825	Client ID:	Units: mg/L	Prep Date:	Run No: 457825							
SampleType: MBLK	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R457825	Analysis Date: 06/22/2021	Seq No: 10485509							
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-R457825	Client ID:	Units: mg/L	Prep Date:	Run No: 457825							
SampleType: LCS	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R457825	Analysis Date: 06/22/2021	Seq No: 10485506							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

26.03 1.00 25.00 104 90 110

Sample ID: 2106029-045FMS	Client ID: SWC-1	Units: mg/L	Prep Date:	Run No: 457825							
SampleType: MS	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R457825	Analysis Date: 06/22/2021	Seq No: 10485513							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

27.03 1.00 25.00 2.289 99.0 80 120

Sample ID: 2106029-045FMSD	Client ID: SWC-1	Units: mg/L	Prep Date:	Run No: 457825							
SampleType: MSD	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R457825	Analysis Date: 06/22/2021	Seq No: 10485517							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

27.21 1.00 25.00 2.289 99.7 80 120 27.03 0.664 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 Co. Hightower Rd.
Workorder: 2106029

ANALYTICAL QC SUMMARY REPORT

BatchID: R457978

Sample ID: MB-R457978	Client ID:	Units: mg/L	Prep Date:	Run No: 457978							
SampleType: MBLK	TestCode: Inorganic Anions by IC E300.0	BatchID: R457978	Analysis Date: 06/23/2021	Seq No: 10488054							
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-R457978	Client ID:	Units: mg/L	Prep Date:	Run No: 457978							
SampleType: LCS	TestCode: Inorganic Anions by IC E300.0	BatchID: R457978	Analysis Date: 06/23/2021	Seq No: 10488053							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 9.461 1.00 10.00 94.6 90 110

Sample ID: 2106O03-033CMS	Client ID:	Units: mg/L	Prep Date:	Run No: 457978							
SampleType: MS	TestCode: Inorganic Anions by IC E300.0	BatchID: R457978	Analysis Date: 06/24/2021	Seq No: 10488081							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 12.30 1.00 10.00 3.000 93.0 90 110

Sample ID: 2106O03-034CMS	Client ID:	Units: mg/L	Prep Date:	Run No: 457978							
SampleType: MS	TestCode: Inorganic Anions by IC E300.0	BatchID: R457978	Analysis Date: 06/24/2021	Seq No: 10488079							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 13.11 1.00 10.00 3.784 93.3 90 110

Sample ID: 2106O03-034CMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 457978							
SampleType: MSD	TestCode: Inorganic Anions by IC E300.0	BatchID: R457978	Analysis Date: 06/24/2021	Seq No: 10488080							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 13.44 1.00 10.00 3.784 96.6 90 110 13.11 2.46 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**

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-3A	12/7/2015	ND<1	61
	6/13/2016	ND<1	61
	12/9/2016	ND<1	61
	6/14/2017	ND<1	61
	12/11/2017	ND<1	61
	6/18/2018	ND<1	61
	12/17/2018	ND<1	61
	6/13/2019	ND<1	61
	12/12/2019	ND<1	61
	6/25/2020	ND<1	61
	12/18/2020	ND<1	61
	6/15/2021	ND<1	61

Rank Sum = 732
Rank Mean = 61

PH1-GWA-4	12/8/2015	ND<1	61
	6/13/2016	ND<1	61
	12/7/2016	ND<1	61
	6/15/2017	ND<1	61
	12/12/2017	ND<1	61
	6/18/2018	ND<1	61
	12/18/2018	ND<1	61
	6/11/2019	ND<1	61
	12/9/2019	ND<1	61
	6/24/2020	ND<1	61
	12/15/2020	ND<1	61
	6/16/2021	ND<1	61

Rank Sum = 732
Rank Mean = 61

Background Rank Sum = 1464
Background Rank Mean = 61

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWB-1	12/7/2015	ND<1	61
	6/13/2016	ND<1	61
	12/7/2016	ND<1	61
	6/15/2017	ND<1	61
	12/12/2017	ND<1	61
	6/18/2018	ND<1	61
	12/17/2018	ND<1	61
	6/11/2019	ND<1	61
	12/10/2019	ND<1	61
	6/24/2020	ND<1	61
	12/17/2020	ND<1	61
	6/14/2021	ND<1	61

Rank Sum = 732
Rank Mean = 61

PH1-GWC-4	12/7/2015	ND<1	61
	6/13/2016	ND<1	61
	12/8/2016	ND<1	61
	6/15/2017	ND<1	61
	12/11/2017	ND<1	61
	6/19/2018	ND<1	61
	12/19/2018	ND<1	61
	6/13/2019	ND<1	61
	6/22/2020	ND<1	61
	12/17/2020	ND<1	61
	6/16/2021	ND<1	61

Rank Sum = 671
Rank Mean = 61

PH1-GWA-1	12/8/2015	ND<1	61
	6/14/2016	ND<1	61
	12/7/2016	ND<1	61
	6/13/2017	ND<1	61
	12/13/2017	ND<1	61
	6/19/2018	ND<1	61
	12/18/2018	ND<1	61
	6/10/2019	ND<1	61
	12/9/2019	ND<1	61
	6/22/2020	ND<1	61
	12/15/2020	ND<1	61
	6/15/2021	ND<1	61

Rank Sum = 732
Rank Mean = 61

PH1-GWA-1A	12/8/2015	ND<1	61
	6/14/2016	ND<1	61
	12/7/2016	ND<1	61
	6/12/2017	ND<1	61
	12/13/2017	ND<1	61
	6/19/2018	ND<1	61
	12/18/2018	ND<1	61
	6/10/2019	ND<1	61
	12/10/2019	ND<1	61
	6/22/2020	ND<1	61
	12/18/2020	ND<1	61
	6/15/2021	ND<1	61

Rank Sum = 732
Rank Mean = 61

PH1-GWA-2	12/8/2015	ND<1	61
	6/13/2016	ND<1	61
	12/7/2016	ND<1	61
	6/15/2017	ND<1	61
	12/13/2017	ND<1	61
	6/18/2018	ND<1	61
	12/18/2018	ND<1	61
	6/11/2019	ND<1	61
	12/9/2019	ND<1	61
	6/24/2020	ND<1	61
	12/15/2020	ND<1	61
	6/16/2021	ND<1	61

Rank Sum = 732
Rank Mean = 61

PH1-GWB-2	12/8/2015	ND<1	61
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1,1-Dichloroethane

6/13/2016	ND<1	61
12/8/2016	ND<1	61
6/15/2017	ND<1	61
12/11/2017	ND<1	61
6/19/2018	ND<1	61
12/17/2018	ND<1	61
6/12/2019	ND<1	61
12/12/2019	ND<1	61
6/24/2020	ND<1	61
12/17/2020	ND<1	61
6/16/2021	ND<1	61

Rank Sum = 732
Rank Mean = 61

PH1-GWC-1	12/8/2015	ND<1	61
	6/15/2016	ND<1	61
	12/8/2016	ND<1	61
	6/15/2017	ND<1	61
	12/11/2017	ND<1	61
	6/19/2018	ND<1	61
	12/19/2018	ND<1	61
	6/13/2019	ND<1	61
	12/11/2019	ND<1	61
	6/22/2020	ND<1	61
	12/17/2020	ND<1	61
	6/16/2021	ND<1	61

Rank Sum = 732
Rank Mean = 61

PH1-GWC-2	12/8/2015	3.7	152
	6/14/2016	3.1	140
	12/7/2016	3.2	143
	6/13/2017	3	136
	12/13/2017	3.4	147
	6/19/2018	ND<1	61
	12/18/2018	2.8	132
	6/10/2019	3	137
	12/10/2019	3.7	153
	6/22/2020	3.1	141
	12/17/2020	3.8	154
	6/17/2021	3	138

Rank Sum = 1634
Rank Mean = 136.167

GWC-1	12/9/2015	ND<1	61
	6/14/2016	ND<1	61
	12/8/2016	ND<1	61
	6/13/2017	ND<1	61
	12/13/2017	ND<1	61
	6/19/2018	ND<1	61
	12/17/2018	ND<1	61
	6/13/2019	ND<1	61
	12/10/2019	ND<1	61
	6/22/2020	ND<1	61
	12/16/2020	ND<1	61
	6/15/2021	ND<1	61

Rank Sum = 732
Rank Mean = 61

PH1-GWC-3	12/9/2015	2.7	128
	6/16/2016	3.3	145

1,1-Dichloroethane

12/8/2016	3.6	149
6/13/2017	2.7	129
12/12/2017	3.6	150
6/19/2018	3.2	144
12/18/2018	2.7	130
6/10/2019	3.3	146
12/9/2019	4	155
6/22/2020	2.9	135
12/15/2020	3.6	151
6/14/2021	3.4	148

Rank Sum = 1710
Rank Mean = 142.5

PH1-GWC-3A	12/9/2015	2.6	125
	6/16/2016	2.7	131
	12/8/2016	2.8	133
	6/13/2017	2	122
	12/12/2017	2.6	126
	6/19/2018	2.6	127
	12/18/2018	2.3	123
	6/10/2019	2.5	124
	12/9/2019	3.1	142
	6/26/2020	ND<1	61
	12/15/2020	3	139
	6/14/2021	2.8	134

Rank Sum = 1487
Rank Mean = 123.917

Calculation Results:

Kruskal-Wallis H Statistic = 74.5481

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 142.191

95% Confidence comparison value is 19.6752 at 11 degrees of freedom

74.5481 > 19.6752 indicating a significant group difference at 5% significance level

142.191 > 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

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWB-1	61	0	36.9204
PH1-GWC-4	61	0	38.0227
PH1-GWA-1	61	0	36.9204
PH1-GWA-1A	61	0	36.9204
PH1-GWA-2	61	0	36.9204
PH1-GWB-2	61	0	36.9204
PH1-GWC-1	61	0	36.9204
PH1-GWC-2	136.167	75.1667	36.9204
GWC-1	61	0	36.9204
PH1-GWC-3	142.5	81.5	36.9204
PH1-GWC-3A	123.917	62.9167	36.9204

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

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWB-1	61	0	42.0901
PH1-GWC-4	61	0	43.3468
PH1-GWA-1	61	0	42.0901

1,1-Dichloroethane

PH1-GWA-1A	61	0	42.0901
PH1-GWA-2	61	0	42.0901
PH1-GWB-2	61	0	42.0901
PH1-GWC-1	61	0	42.0901
PH1-GWC-2	136.167	75.1667	42.0901
GWC-1	61	0	42.0901
PH1-GWC-3	142.5	81.5	42.0901
PH1-GWC-3A	123.917	62.9167	42.0901

Barium

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-3A	12/7/2015	ND<10	20.5
	6/13/2016	ND<10	20.5
	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

Rank Sum = 266.5

Rank Mean = 22.2083

PH1-GWA-4	12/9/2015	ND<10	20.5
	6/14/2016	ND<10	20.5
	12/8/2016	ND<10	20.5
	6/16/2017	ND<10	20.5
	12/13/2017	37	99
	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

Rank Sum = 324.5

Rank Mean = 27.0417

Background Rank Sum = 591

Background Rank Mean = 24.625

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWB-1	12/8/2015	75	130
	6/14/2016	84	139
	12/8/2016	75	131
	6/16/2017	52	115
	12/13/2017	54	117
	6/19/2018	62	122
	12/18/2018	53	116
	6/12/2019	82	138
	12/11/2019	67	126
	6/25/2020	79.3	132
	12/18/2020	50.5	113
	6/15/2021	63.1	123

Rank Sum = 1502

Rank Mean = 125.167

Barium

PH1-GWC-2	12/8/2015	ND<10	20.5
	6/14/2016	ND<10	20.5
	12/7/2016	ND<10	20.5
	6/14/2017	51	114
	12/13/2017	ND<10	20.5
	6/19/2018	ND<10	20.5
	12/18/2018	26	69
	6/10/2019	39	102
	12/10/2019	ND<10	20.5
	6/22/2020	33.6	95
	12/17/2020	ND<10	20.5
	6/17/2021	20.6	44

Rank Sum = 567.5
Rank Mean = 47.2917

PH1-GWC-4	12/8/2015	36	98
	6/14/2016	41	104
	12/9/2016	80	133
	6/16/2017	42	106
	12/12/2017	54	118
	6/20/2018	34	96
	12/20/2018	310	155
	6/13/2019	32	92
	6/23/2020	25.2	66
	12/18/2020	56.4	120
	6/17/2021	33	94

Rank Sum = 1182
Rank Mean = 107.455

PH1-GWA-1	12/9/2015	ND<10	20.5
	6/15/2016	21	45
	12/8/2016	ND<10	20.5
	6/14/2017	21	46
	12/14/2017	20	42
	6/20/2018	34	97
	12/19/2018	24	54
	6/11/2019	24	55
	12/10/2019	20.3	43
	6/23/2020	27.7	80
	12/16/2020	ND<10	20.5
	6/16/2021	28.7	83

Rank Sum = 606.5
Rank Mean = 50.5417

PH1-GWA-1A	12/9/2015	30	88
	6/14/2016	37	100
	12/7/2016	21	47
	6/12/2017	24	56
	12/13/2017	27	74
	6/20/2018	25	64
	12/19/2018	27	75
	6/11/2019	24	57
	12/10/2019	23.4	51
	6/22/2020	21.7	48
	12/18/2020	27.4	79
	6/16/2021	24.8	62

Rank Sum = 801
Rank Mean = 66.75

PH1-GWA-2	12/9/2015	74	129
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Barium

	6/14/2016	85	142
	12/8/2016	110	153
	6/16/2017	80	134
	12/14/2017	80	135
	6/19/2018	61	121
	12/19/2018	81	136
	6/12/2019	84	140
	12/10/2019	84.2	141
	6/25/2020	64.6	124
	12/16/2020	65.5	125
	6/17/2021	71.7	128

Rank Sum = 1608
Rank Mean = 134

PH1-GWB-2	12/9/2015	29	84
	6/14/2016	28	81
	12/9/2016	26	70
	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

Rank Sum = 448
Rank Mean = 37.3333

PH1-GWC-1	12/9/2015	41	105
	6/16/2016	54	119
	12/9/2016	70	127
	6/16/2017	40	103
	12/12/2017	38	101
	6/20/2018	42	107
	12/20/2018	47	111
	6/13/2019	50	112
	12/12/2019	43.7	110
	6/23/2020	42.8	109
	12/18/2020	32.1	93
	6/17/2021	42.1	108

Rank Sum = 1305
Rank Mean = 108.75

GWC-1	12/10/2015	89	146
	6/15/2016	92	147
	12/9/2016	100	152
	6/14/2017	92	148
	12/14/2017	88	145
	6/20/2018	94	150
	12/18/2018	150	154
	6/13/2019	93	149
	12/11/2019	85.2	143
	6/23/2020	95.3	151
	12/17/2020	81.1	137
	6/16/2021	86.1	144

Rank Sum = 1766
Rank Mean = 147.167

PH1-GWC-3	12/10/2015	25	65
	6/17/2016	24	58

Barium

12/9/2016	28	82
6/14/2017	26	71
12/13/2017	27	76
6/20/2018	23	50
12/19/2018	27	77
6/11/2019	30	89
12/10/2019	24.7	61
6/23/2020	23.6	52
12/16/2020	25.6	67
6/15/2021	24.3	60

Rank Sum = 808
Rank Mean = 67.3333

PH1-GWC-3A	12/10/2015	26	72
	6/17/2016	29	85
	12/9/2016	29	86
	6/14/2017	29	87
	12/13/2017	27	78
	6/28/2018	26	73
	12/19/2018	24	59
	6/11/2019	30	90
	12/10/2019	24.9	63
	6/23/2020	23.9	53
	12/16/2020	25.9	68
	6/15/2021	30.5	91

Rank Sum = 905
Rank Mean = 75.4167

Calculation Results:

Kruskal-Wallis H Statistic = 126.14

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 128.345

95% Confidence comparison value is 19.6752 at 11 degrees of freedom

126.14 > 19.6752 indicating a significant group difference at 5% significance level

128.345 > 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 24.625

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWB-1	125.167	100.542	36.9204
PH1-GWC-2	47.2917	22.6667	36.9204
PH1-GWC-4	107.455	82.8295	38.0227
PH1-GWA-1	50.5417	25.9167	36.9204
PH1-GWA-1A	66.75	42.125	36.9204
PH1-GWA-2	134	109.375	36.9204
PH1-GWB-2	37.3333	12.7083	36.9204
PH1-GWC-1	108.75	84.125	36.9204
GWC-1	147.167	122.542	36.9204
PH1-GWC-3	67.3333	42.7083	36.9204
PH1-GWC-3A	75.4167	50.7917	36.9204

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 24.625

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWB-1	125.167	100.542	42.0901
PH1-GWC-2	47.2917	22.6667	42.0901
PH1-GWC-4	107.455	82.8295	43.3468

Barium

PH1-GWA-1	50.5417	25.9167	42.0901
PH1-GWA-1A	66.75	42.125	42.0901
PH1-GWA-2	134	109.375	42.0901
PH1-GWB-2	37.3333	12.7083	42.0901
PH1-GWC-1	108.75	84.125	42.0901
GWC-1	147.167	122.542	42.0901
PH1-GWC-3	67.3333	42.7083	42.0901
PH1-GWC-3A	75.4167	50.7917	42.0901

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-3A	12/7/2015	ND<1	47.5
	6/13/2016	ND<1	47.5
	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

Rank Sum = 570
Rank Mean = 47.5

PH1-GWA-4	12/8/2015	ND<1	47.5
	6/13/2016	ND<1	47.5
	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

Rank Sum = 570
Rank Mean = 47.5

Background Rank Sum = 1140
Background Rank Mean = 47.5

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWB-1	12/7/2015	ND<1	47.5
	6/13/2016	ND<1	47.5
	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

Rank Sum = 570
Rank Mean = 47.5

PH1-GWC-4	12/7/2015	ND<1	47.5
	6/13/2016	ND<1	47.5
	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

Rank Sum = 522.5
Rank Mean = 47.5

PH1-GWA-1	12/8/2015	8	118
	6/14/2016	8.3	119
	12/7/2016	5	109
	6/13/2017	5.2	111
	12/13/2017	3.5	104
	6/19/2018	3.1	101
	12/18/2018	2.4	98
	6/10/2019	5.2	112
	12/9/2019	3.7	105
	6/22/2020	4	106
	12/15/2020	4.3	107
	6/15/2021	5.8	114

Rank Sum = 1304
Rank Mean = 108.667

PH1-GWA-1A	12/8/2015	ND<1	47.5
	6/14/2016	ND<1	47.5
	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

Rank Sum = 570
Rank Mean = 47.5

PH1-GWA-2	12/8/2015	21	141
	6/13/2016	32	146
	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	142
	12/9/2019	120	155
	6/24/2020	42	148
	12/15/2020	52	151
	6/16/2021	34	147

Rank Sum = 1788
Rank Mean = 149

PH1-GWB-2	12/8/2015	ND<1	47.5
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cis-1,2-Dichloroethene

6/13/2016	ND<1	47.5
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	100
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

Rank Sum = 622.5
Rank Mean = 51.875

PH1-GWC-1	12/8/2015	ND<1	47.5
	6/15/2016	ND<1	47.5
	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

Rank Sum = 570
Rank Mean = 47.5

PH1-GWC-2	12/8/2015	2.5	99
	6/14/2016	2.2	95
	12/7/2016	2.3	97
	6/13/2017	4.4	108
	12/13/2017	3.1	102
	6/19/2018	2.2	96
	12/18/2018	3.3	103
	6/10/2019	5.1	110
	12/10/2019	5.7	113
	6/22/2020	6	115
	12/17/2020	7.8	117
	6/17/2021	7	116

Rank Sum = 1271
Rank Mean = 105.917

GWC-1	12/9/2015	ND<1	47.5
	6/14/2016	ND<1	47.5
	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

Rank Sum = 570
Rank Mean = 47.5

PH1-GWC-3	12/9/2015	13	128
	6/16/2016	15	131

cis-1,2-Dichloroethene

12/8/2016	15	132
6/13/2017	14	129
12/12/2017	15	133
6/19/2018	15	134
12/18/2018	15	135
6/10/2019	19	138
12/9/2019	27	144
6/22/2020	20	140
12/15/2020	26	143
6/14/2021	28	145

Rank Sum = 1632
Rank Mean = 136

PH1-GWC-3A	12/9/2015	10	122
	6/16/2016	9.9	121
	12/8/2016	11	124
	6/13/2017	11	125
	12/12/2017	10	123
	6/19/2018	12	127
	12/18/2018	9.2	120
	6/10/2019	11	126
	12/9/2019	16	136
	6/26/2020	14	130
	12/15/2020	16	137
	6/14/2021	19	139

Rank Sum = 1530
Rank Mean = 127.5

Calculation Results:

Kruskal-Wallis H Statistic = 117.271

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 150.933

95% Confidence comparison value is 19.6752 at 11 degrees of freedom

117.271 > 19.6752 indicating a significant group difference at 5% significance level

150.933 > 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-GWB-1	47.5	0	36.9204
PH1-GWC-4	47.5	0	38.0227
PH1-GWA-1	108.667	61.1667	36.9204
PH1-GWA-1A	47.5	0	36.9204
PH1-GWA-2	149	101.5	36.9204
PH1-GWB-2	51.875	4.375	36.9204
PH1-GWC-1	47.5	0	36.9204
PH1-GWC-2	105.917	58.4167	36.9204
GWC-1	47.5	0	36.9204
PH1-GWC-3	136	88.5	36.9204
PH1-GWC-3A	127.5	80	36.9204

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-GWB-1	47.5	0	42.0901
PH1-GWC-4	47.5	0	43.3468
PH1-GWA-1	108.667	61.1667	42.0901

cis-1,2-Dichloroethene

PH1-GWA-1A	47.5	0	42.0901
PH1-GWA-2	149	101.5	42.0901
PH1-GWB-2	51.875	4.375	42.0901
PH1-GWC-1	47.5	0	42.0901
PH1-GWC-2	105.917	58.4167	42.0901
GWC-1	47.5	0	42.0901
PH1-GWC-3	136	88.5	42.0901
PH1-GWC-3A	127.5	80	42.0901

Cobalt

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-3A	12/7/2015	ND<20	72
	6/13/2016	ND<20	72
	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

Rank Sum = 864

Rank Mean = 72

PH1-GWA-4	12/9/2015	ND<20	72
	6/14/2016	ND<20	72
	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

Rank Sum = 864

Rank Mean = 72

Background Rank Sum = 1728

Background Rank Mean = 72

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWB-1	12/8/2015	ND<20	72
	6/14/2016	ND<20	72
	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
	12/18/2020	ND<20	72
	6/15/2021	ND<20	72

Rank Sum = 864

Rank Mean = 72

Cobalt

PH1-GWC-2	12/8/2015	ND<20	72
	6/14/2016	ND<20	72
	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

Rank Sum = 864
Rank Mean = 72

PH1-GWC-4	12/8/2015	ND<20	72
	6/14/2016	ND<20	72
	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

Rank Sum = 792
Rank Mean = 72

PH1-GWA-1	12/9/2015	95	152
	6/15/2016	110	155
	12/8/2016	94	151
	6/14/2017	100	154
	12/14/2017	76	145
	6/20/2018	75	144
	12/19/2018	82	147
	6/11/2019	91	150
	12/10/2019	90.1	149
	6/23/2020	76.6	146
	12/16/2020	95.6	153
	6/16/2021	83.5	148

Rank Sum = 1794
Rank Mean = 149.5

PH1-GWA-1A	12/9/2015	ND<20	72
	6/14/2016	ND<20	72
	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

Rank Sum = 864
Rank Mean = 72

PH1-GWA-2	12/9/2015	ND<20	72
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Cobalt

	6/14/2016	ND<20	72
	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

Rank Sum = 864
Rank Mean = 72

PH1-GWB-2	12/9/2015	ND<20	72
	6/14/2016	ND<20	72
	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

Rank Sum = 864
Rank Mean = 72

PH1-GWC-1	12/9/2015	ND<20	72
	6/16/2016	ND<20	72
	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

Rank Sum = 864
Rank Mean = 72

GWC-1	12/10/2015	ND<20	72
	6/15/2016	ND<20	72
	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

Rank Sum = 864
Rank Mean = 72

PH1-GWC-3	12/10/2015	ND<20	72
	6/17/2016	ND<20	72

Cobalt

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
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

Rank Sum = 864
Rank Mean = 72

PH1-GWC-3A	12/10/2015	ND<20	72
	6/17/2016	ND<20	72
	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

Rank Sum = 864
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-GWB-1	72	0	36.9204
PH1-GWC-2	72	0	36.9204
PH1-GWC-4	72	0	38.0227
PH1-GWA-1	149.5	77.5	36.9204
PH1-GWA-1A	72	0	36.9204
PH1-GWA-2	72	0	36.9204
PH1-GWB-2	72	0	36.9204
PH1-GWC-1	72	0	36.9204
GWC-1	72	0	36.9204
PH1-GWC-3	72	0	36.9204
PH1-GWC-3A	72	0	36.9204

**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-GWB-1	72	0	42.0901
PH1-GWC-2	72	0	42.0901
PH1-GWC-4	72	0	43.3468

Cobalt

PH1-GWA-1	149.5	77.5	42.0901
PH1-GWA-1A	72	0	42.0901
PH1-GWA-2	72	0	42.0901
PH1-GWB-2	72	0	42.0901
PH1-GWC-1	72	0	42.0901
GWC-1	72	0	42.0901
PH1-GWC-3	72	0	42.0901
PH1-GWC-3A	72	0	42.0901

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-3A	12/7/2015	ND<1	58.5
	6/13/2016	ND<1	58.5
	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

Rank Sum = 702
 Rank Mean = 58.5

PH1-GWA-4	12/8/2015	ND<1	58.5
	6/13/2016	ND<1	58.5
	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

Rank Sum = 702
 Rank Mean = 58.5

Background Rank Sum = 1404
 Background Rank Mean = 58.5

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWB-1	12/7/2015	ND<1	58.5
	6/13/2016	ND<1	58.5
	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

Rank Sum = 702
 Rank Mean = 58.5

Tetrachloroethene

PH1-GWC-4	12/7/2015	ND<1	58.5
	6/13/2016	ND<1	58.5
	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

Rank Sum = 643.5
 Rank Mean = 58.5

PH1-GWA-1	12/8/2015	ND<1	58.5
	6/14/2016	ND<1	58.5
	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

Rank Sum = 760.5
 Rank Mean = 63.375

PH1-GWA-1A	12/8/2015	ND<1	58.5
	6/14/2016	ND<1	58.5
	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

Rank Sum = 702
 Rank Mean = 58.5

PH1-GWA-2	12/8/2015	ND<1	58.5
	6/13/2016	ND<1	58.5
	12/7/2016	3.7	121
	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	

Rank Sum = 946
 Rank Mean = 78.8333

PH1-GWB-2	12/8/2015	ND<1	58.5
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Tetrachloroethene

6/13/2016	ND<1	58.5
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

Rank Sum = 702
Rank Mean = 58.5

PH1-GWC-1	12/8/2015	ND<1	58.5
	6/15/2016	ND<1	58.5
	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

Rank Sum = 702
Rank Mean = 58.5

PH1-GWC-2	12/8/2015	6.3	131
	6/14/2016	4	124
	12/7/2016	3.9	123
	6/13/2017	6.7	133
	12/13/2017	5.1	127
	6/19/2018	ND<1	58.5
	12/18/2018	5.1	128
	6/10/2019	4.2	125
	12/10/2019	6.3	132
	6/22/2020	4.6	126
	12/17/2020	5.3	129
	6/17/2021	3.7	122

Rank Sum = 1458.5
Rank Mean = 121.542

GWC-1	12/9/2015	ND<1	58.5
	6/14/2016	ND<1	58.5
	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

Rank Sum = 702
Rank Mean = 58.5

PH1-GWC-3	12/9/2015	12	152
	6/16/2016	8.4	137

Tetrachloroethene

12/8/2016	12	153
6/13/2017	11	148
12/12/2017	13	154
6/19/2018	11	149
12/18/2018	10	145
6/10/2019	11	150
12/9/2019	13	155
6/22/2020	9	142
12/15/2020	9.1	143
6/14/2021	9.3	144

Rank Sum = 1772
Rank Mean = 147.667

PH1-GWC-3A	12/9/2015	10	146
	6/16/2016	6.7	134
	12/8/2016	8.6	138
	6/13/2017	8.9	141
	12/12/2017	10	147
	6/19/2018	11	151
	12/18/2018	8.7	139
	6/10/2019	8.8	140
	12/9/2019	7.4	135
	6/26/2020	ND<1	58.5
	12/15/2020	5.7	130
	6/14/2021	8.1	136

Rank Sum = 1595.5
Rank Mean = 132.958

Calculation Results:

Kruskal-Wallis H Statistic = 77.3874

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 133.23

95% Confidence comparison value is 19.6752 at 11 degrees of freedom

77.3874 > 19.6752 indicating a significant group difference at 5% significance level

133.23 > 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-GWB-1	58.5	0	36.9204
PH1-GWC-4	58.5	0	38.0227
PH1-GWA-1	63.375	4.875	36.9204
PH1-GWA-1A	58.5	0	36.9204
PH1-GWA-2	78.8333	20.3333	36.9204
PH1-GWB-2	58.5	0	36.9204
PH1-GWC-1	58.5	0	36.9204
PH1-GWC-2	121.542	63.0417	36.9204
GWC-1	58.5	0	36.9204
PH1-GWC-3	147.667	89.1667	36.9204
PH1-GWC-3A	132.958	74.4583	36.9204

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-GWB-1	58.5	0	42.0901
PH1-GWC-4	58.5	0	43.3468
PH1-GWA-1	63.375	4.875	42.0901

Tetrachloroethene

PH1-GWA-1A	58.5	0	42.0901
PH1-GWA-2	78.8333	20.3333	42.0901
PH1-GWB-2	58.5	0	42.0901
PH1-GWC-1	58.5	0	42.0901
PH1-GWC-2	121.542	63.0417	42.0901
GWC-1	58.5	0	42.0901
PH1-GWC-3	147.667	89.1667	42.0901
PH1-GWC-3A	132.958	74.4583	42.0901

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-3A	12/7/2015	ND<1	55.5
	6/13/2016	ND<1	55.5
	12/9/2016	ND<1	55.5
	6/14/2017	ND<1	55.5
	12/11/2017	ND<1	55.5
	6/18/2018	ND<1	55.5
	12/17/2018	ND<1	55.5
	6/13/2019	ND<1	55.5
	12/12/2019	ND<1	55.5
	6/25/2020	ND<1	55.5
	12/18/2020	ND<1	55.5
	6/15/2021	ND<1	55.5

Rank Sum = 666
 Rank Mean = 55.5

PH1-GWA-4	12/8/2015	ND<1	55.5
	6/13/2016	ND<1	55.5
	12/7/2016	ND<1	55.5
	6/15/2017	ND<1	55.5
	12/12/2017	ND<1	55.5
	6/18/2018	ND<1	55.5
	12/18/2018	ND<1	55.5
	6/11/2019	ND<1	55.5
	12/9/2019	ND<1	55.5
	6/24/2020	ND<1	55.5
	12/15/2020	ND<1	55.5
	6/16/2021	ND<1	55.5

Rank Sum = 666
 Rank Mean = 55.5

Background Rank Sum = 1332
 Background Rank Mean = 55.5

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWB-1	12/7/2015	ND<1	55.5
	6/13/2016	ND<1	55.5
	12/7/2016	ND<1	55.5
	6/15/2017	ND<1	55.5
	12/12/2017	ND<1	55.5
	6/18/2018	ND<1	55.5
	12/17/2018	ND<1	55.5
	6/11/2019	ND<1	55.5
	12/10/2019	ND<1	55.5
	6/24/2020	ND<1	55.5
	12/17/2020	ND<1	55.5
	6/14/2021	ND<1	55.5

Rank Sum = 666
 Rank Mean = 55.5

Trichloroethene

PH1-GWC-4	12/7/2015	ND<1	55.5
	6/13/2016	ND<1	55.5
	12/8/2016	ND<1	55.5
	6/15/2017	ND<1	55.5
	12/11/2017	ND<1	55.5
	6/19/2018	ND<1	55.5
	12/19/2018	ND<1	55.5
	6/13/2019	ND<1	55.5
	6/22/2020	ND<1	55.5
	12/17/2020	ND<1	55.5
	6/16/2021	ND<1	55.5

Rank Sum = 610.5

Rank Mean = 55.5

PH1-GWA-1	12/8/2015	ND<1	55.5
	6/14/2016	ND<1	55.5
	12/7/2016	2.2	115
	6/13/2017	ND<1	55.5
	12/13/2017	ND<1	55.5
	6/19/2018	ND<1	55.5
	12/18/2018	ND<1	55.5
	6/10/2019	ND<1	55.5
	12/9/2019	3.1	124
	6/22/2020	ND<1	55.5
	12/15/2020	ND<1	55.5
	6/15/2021	ND<1	55.5

Rank Sum = 794

Rank Mean = 66.1667

PH1-GWA-1A	12/8/2015	ND<1	55.5
	6/14/2016	ND<1	55.5
	12/7/2016	ND<1	55.5
	6/12/2017	ND<1	55.5
	12/13/2017	ND<1	55.5
	6/19/2018	ND<1	55.5
	12/18/2018	ND<1	55.5
	6/10/2019	ND<1	55.5
	12/10/2019	ND<1	55.5
	6/22/2020	ND<1	55.5
	12/18/2020	ND<1	55.5
	6/15/2021	ND<1	55.5

Rank Sum = 666

Rank Mean = 55.5

PH1-GWA-2	12/8/2015	3.5	125
	6/13/2016	3.8	126
	12/7/2016	7.1	145
	6/15/2017	4.1	128
	12/13/2017	5.8	133
	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	116
	12/15/2020	2.5	119
	6/16/2021	2.4	117

Rank Sum = 1525

Rank Mean = 127.083

PH1-GWB-2	12/8/2015	ND<1	55.5
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Trichloroethene

	6/13/2016	ND<1	55.5
	12/8/2016	ND<1	55.5
	6/15/2017	ND<1	55.5
	12/11/2017	ND<1	55.5
	6/19/2018	ND<1	55.5
	12/17/2018	ND<1	55.5
	6/12/2019	ND<1	55.5
	12/12/2019	ND<1	55.5
	6/24/2020	ND<1	55.5
	12/17/2020	ND<1	55.5
	6/16/2021	ND<1	55.5

Rank Sum = 666

Rank Mean = 55.5

PH1-GWC-1	12/8/2015	ND<1	55.5
	6/15/2016	ND<1	55.5
	12/8/2016	ND<1	55.5
	6/15/2017	ND<1	55.5
	12/11/2017	ND<1	55.5
	6/19/2018	ND<1	55.5
	12/19/2018	ND<1	55.5
	6/13/2019	ND<1	55.5
	12/11/2019	ND<1	55.5
	6/22/2020	ND<1	55.5
	12/17/2020	ND<1	55.5
	6/16/2021	ND<1	55.5

Rank Sum = 666

Rank Mean = 55.5

PH1-GWC-2	12/8/2015	ND<1	55.5
	6/14/2016	ND<1	55.5
	12/7/2016	ND<1	55.5
	6/13/2017	2.4	118
	12/13/2017	ND<1	55.5
	6/19/2018	ND<1	55.5
	12/18/2018	2	111
	6/10/2019	2	112
	12/10/2019	2.6	121
	6/22/2020	2.1	114
	12/17/2020	2.5	120
	6/17/2021	2.7	122

Rank Sum = 1095.5

Rank Mean = 91.2917

GWC-1	12/9/2015	ND<1	55.5
	6/14/2016	ND<1	55.5
	12/8/2016	ND<1	55.5
	6/13/2017	ND<1	55.5
	12/13/2017	ND<1	55.5
	6/19/2018	ND<1	55.5
	12/17/2018	ND<1	55.5
	6/13/2019	ND<1	55.5
	12/10/2019	ND<1	55.5
	6/22/2020	ND<1	55.5
	12/16/2020	ND<1	55.5
	6/15/2021	ND<1	55.5

Rank Sum = 666

Rank Mean = 55.5

PH1-GWC-3	12/9/2015	6.9	142
	6/16/2016	5.6	131

Trichloroethene

12/8/2016	7.6	150
6/13/2017	7	144
12/12/2017	8.4	153
6/19/2018	6.9	143
12/18/2018	6.8	139
6/10/2019	7.4	148
12/9/2019	8.7	155
6/22/2020	7.1	146
12/15/2020	7.6	151
6/14/2021	7.5	149

Rank Sum = 1751
Rank Mean = 145.917

PH1-GWC-3A	12/9/2015	6.7	138
	6/16/2016	4.6	130
	12/8/2016	6.8	140
	6/13/2017	6	135
	12/12/2017	6.6	137
	6/19/2018	6.8	141
	12/18/2018	5.8	134
	6/10/2019	5.7	132
	12/9/2019	8.4	154
	6/26/2020	2.8	123
	12/15/2020	8.1	152
	6/14/2021	6.1	136

Rank Sum = 1652
Rank Mean = 137.667

Calculation Results:

Kruskal-Wallis H Statistic = 88.773

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 138.148

95% Confidence comparison value is 19.6752 at 11 degrees of freedom

88.773 > 19.6752 indicating a significant group difference at 5% significance level

138.148 > 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 55.5

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWB-1	55.5	0	36.9204
PH1-GWC-4	55.5	0	38.0227
PH1-GWA-1	66.1667	10.6667	36.9204
PH1-GWA-1A	55.5	0	36.9204
PH1-GWA-2	127.083	71.5833	36.9204
PH1-GWB-2	55.5	0	36.9204
PH1-GWC-1	55.5	0	36.9204
PH1-GWC-2	91.2917	35.7917	36.9204
GWC-1	55.5	0	36.9204
PH1-GWC-3	145.917	90.4167	36.9204
PH1-GWC-3A	137.667	82.1667	36.9204

**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 55.5

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWB-1	55.5	0	42.0901
PH1-GWC-4	55.5	0	43.3468
PH1-GWA-1	66.1667	10.6667	42.0901

Trichloroethene

PH1-GWA-1A	55.5	0	42.0901
PH1-GWA-2	127.083	71.5833	42.0901
PH1-GWB-2	55.5	0	42.0901
PH1-GWC-1	55.5	0	42.0901
PH1-GWC-2	91.2917	35.7917	42.0901
GWC-1	55.5	0	42.0901
PH1-GWC-3	145.917	90.4167	42.0901
PH1-GWC-3A	137.667	82.1667	42.0901

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-3A	12/7/2015	ND<10	57.5
	6/13/2016	ND<10	57.5
	12/9/2016	ND<10	57.5
	6/14/2017	ND<10	57.5
	12/11/2017	ND<10	57.5
	6/18/2018	ND<10	57.5
	12/17/2018	ND<10	57.5
	6/13/2019	ND<10	57.5
	12/12/2019	ND<10	57.5
	6/25/2020	ND<10	57.5
	12/18/2020	ND<10	57.5
	6/15/2021	ND<10	57.5

Rank Sum = 690
Rank Mean = 57.5

PH1-GWA-4	12/9/2015	ND<10	57.5
	6/14/2016	ND<10	57.5
	12/8/2016	ND<10	57.5
	6/16/2017	ND<10	57.5
	12/13/2017	ND<10	57.5
	6/19/2018	ND<10	57.5
	12/19/2018	ND<10	57.5
	6/12/2019	ND<10	57.5
	12/10/2019	48.9	148
	6/25/2020	ND<10	57.5
	12/16/2020	ND<10	57.5
	6/17/2021	ND<10	57.5

Rank Sum = 780.5
Rank Mean = 65.0417

Background Rank Sum = 1470.5
Background Rank Mean = 61.2708

Compliance Locations

Loc. ID	Date	Value	Rank
PH1-GWB-1	12/8/2015	29	133
	6/14/2016	ND<10	57.5
	12/8/2016	ND<10	57.5
	6/16/2017	ND<10	57.5
	12/13/2017	ND<10	57.5
	6/19/2018	39	145
	12/18/2018	ND<10	57.5
	6/12/2019	22	123
	12/11/2019	38.2	143
	6/25/2020	26.8	129
	12/18/2020	ND<10	57.5
	6/15/2021	ND<10	57.5

Rank Sum = 1075.5
Rank Mean = 89.625

PH1-GWC-2	12/8/2015	ND<10	57.5
	6/14/2016	ND<10	57.5
	12/7/2016	ND<10	57.5
	6/14/2017	ND<10	57.5
	12/13/2017	ND<10	57.5
	6/19/2018	20	115
	12/18/2018	ND<10	57.5
	6/10/2019	26	127
	12/10/2019	ND<10	57.5
	6/22/2020	ND<10	57.5
	12/17/2020	ND<10	57.5
	6/17/2021	ND<10	57.5

Rank Sum = 817
Rank Mean = 68.0833

PH1-GWC-4	12/8/2015	ND<10	57.5
	6/14/2016	ND<10	57.5
	12/9/2016	21	119
	6/16/2017	20	116
	12/12/2017	28	131
	6/20/2018	ND<10	57.5
	12/20/2018	120	155
	6/13/2019	20	117
	6/23/2020	ND<10	57.5
	12/18/2020	ND<10	57.5
	6/17/2021	ND<10	57.5

Rank Sum = 983
Rank Mean = 89.3636

PH1-GWA-1	12/9/2015	ND<10	57.5
	6/15/2016	21	120
	12/8/2016	ND<10	57.5
	6/14/2017	43	147
	12/14/2017	51	150
	6/20/2018	55	151
	12/19/2018	40	146
	6/11/2019	34	140
	12/10/2019	32.4	137
	6/23/2020	ND<10	57.5
	12/16/2020	ND<10	57.5
	6/16/2021	ND<10	57.5

Rank Sum = 1278.5
Rank Mean = 106.542

PH1-GWA-1A	12/9/2015	ND<10	57.5
	6/14/2016	ND<10	57.5
	12/7/2016	ND<10	57.5
	6/12/2017	ND<10	57.5
	12/13/2017	ND<10	57.5
	6/20/2018	ND<10	57.5
	12/19/2018	ND<10	57.5
	6/11/2019	ND<10	57.5
	12/10/2019	ND<10	57.5
	6/22/2020	ND<10	57.5
	12/18/2020	ND<10	57.5
	6/16/2021	ND<10	57.5

Rank Sum = 690
Rank Mean = 57.5

PH1-GWA-2	12/9/2015	ND<10	57.5
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Zinc

6/14/2016	56	153
12/8/2016	ND<10	57.5
6/16/2017	ND<10	57.5
12/14/2017	ND<10	57.5
6/19/2018	ND<10	57.5
12/19/2018	29	134
6/12/2019	ND<10	57.5
12/10/2019	ND<10	57.5
6/25/2020	ND<10	57.5
12/16/2020	ND<10	57.5
6/17/2021	ND<10	57.5

Rank Sum = 862
Rank Mean = 71.8333

PH1-GWB-2	12/9/2015	49	149
	6/14/2016	59	154
	12/9/2016	31	135
	6/16/2017	36	141
	12/12/2017	25	125
	6/20/2018	31	136
	12/18/2018	28	132
	6/13/2019	33	139
	12/13/2019	38.3	144
	6/25/2020	25.4	126
	12/18/2020	21.6	122
	6/17/2021	26.3	128

Rank Sum = 1631
Rank Mean = 135.917

PH1-GWC-1	12/9/2015	ND<10	57.5
	6/16/2016	ND<10	57.5
	12/9/2016	ND<10	57.5
	6/16/2017	ND<10	57.5
	12/12/2017	ND<10	57.5
	6/20/2018	ND<10	57.5
	12/20/2018	ND<10	57.5
	6/13/2019	ND<10	57.5
	12/12/2019	ND<10	57.5
	6/23/2020	32.5	138
	12/18/2020	ND<10	57.5
	6/17/2021	ND<10	57.5

Rank Sum = 770.5
Rank Mean = 64.2083

GWC-1	12/10/2015	ND<10	57.5
	6/15/2016	ND<10	57.5
	12/9/2016	ND<10	57.5
	6/14/2017	ND<10	57.5
	12/14/2017	ND<10	57.5
	6/20/2018	20	118
	12/18/2018	ND<10	57.5
	6/13/2019	ND<10	57.5
	12/11/2019	27.1	130
	6/23/2020	55.4	152
	12/17/2020	ND<10	57.5
	6/16/2021	ND<10	57.5

Rank Sum = 917.5
Rank Mean = 76.4583

PH1-GWC-3	12/10/2015	ND<10	57.5
	6/17/2016	ND<10	57.5

Zinc

12/9/2016	ND<10	57.5
6/14/2017	ND<10	57.5
12/13/2017	ND<10	57.5
6/20/2018	ND<10	57.5
12/19/2018	ND<10	57.5
6/11/2019	ND<10	57.5
12/10/2019	ND<10	57.5
6/23/2020	ND<10	57.5
12/16/2020	ND<10	57.5
6/15/2021	ND<10	57.5

Rank Sum = 690
Rank Mean = 57.5

PH1-GWC-3A	12/10/2015	ND<10	57.5
	6/17/2016	ND<10	57.5
	12/9/2016	ND<10	57.5
	6/14/2017	ND<10	57.5
	12/13/2017	ND<10	57.5
	6/28/2018	21	121
	12/19/2018	ND<10	57.5
	6/11/2019	ND<10	57.5
	12/10/2019	ND<10	57.5
	6/23/2020	36.9	142
	12/16/2020	ND<10	57.5
	6/15/2021	23.6	124

Rank Sum = 904.5
Rank Mean = 75.375

Calculation Results:

Kruskal-Wallis H Statistic = 36.6763

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 60.9074

95% Confidence comparison value is 19.6752 at 11 degrees of freedom

36.6763 > 19.6752 indicating a significant group difference at 5% significance level

60.9074 > 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 61.2708

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWB-1	89.625	28.3542	36.9204
PH1-GWC-2	68.0833	6.8125	36.9204
PH1-GWC-4	89.3636	28.0928	38.0227
PH1-GWA-1	106.542	45.2708	36.9204
PH1-GWA-1A	57.5	-3.77083	36.9204
PH1-GWA-2	71.8333	10.5625	36.9204
PH1-GWB-2	135.917	74.6458	36.9204
PH1-GWC-1	64.2083	2.9375	36.9204
GWC-1	76.4583	15.1875	36.9204
PH1-GWC-3	57.5	-3.77083	36.9204
PH1-GWC-3A	75.375	14.1042	36.9204

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 61.2708

Well	Mean Rank	Dif from Bkg	Critical Value
PH1-GWB-1	89.625	28.3542	42.0901
PH1-GWC-2	68.0833	6.8125	42.0901
PH1-GWC-4	89.3636	28.0928	43.3468

Zinc

PH1-GWA-1	106.542	45.2708	42.0901
PH1-GWA-1A	57.5	-3.77083	42.0901
PH1-GWA-2	71.8333	10.5625	42.0901
PH1-GWB-2	135.917	74.6458	42.0901
PH1-GWC-1	64.2083	2.9375	42.0901
GWC-1	76.4583	15.1875	42.0901
PH1-GWC-3	57.5	-3.77083	42.0901
PH1-GWC-3A	75.375	14.1042	42.0901

Forsyth County - Hightower Road MSWLF - Phase I
First 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
1,1-Dichloroethane	PH1-GWB-1	FALSE	1%
1,1-Dichloroethane	PH1-GWC-4	FALSE	1%
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-2	FALSE	1%
1,1-Dichloroethane	PH1-GWC-1	FALSE	1%
1,1-Dichloroethane	PH1-GWC-2	TRUE	1%
1,1-Dichloroethane	GWC-1	FALSE	1%
1,1-Dichloroethane	PH1-GWC-3	TRUE	1%
1,1-Dichloroethane	PH1-GWC-3A	TRUE	1%
1,1-Dichloroethane	PH1-GWB-1	FALSE	0.45%
1,1-Dichloroethane	PH1-GWC-4	FALSE	0.45%
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-2	FALSE	0.45%
1,1-Dichloroethane	PH1-GWC-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-GWC-3	TRUE	0.45%
1,1-Dichloroethane	PH1-GWC-3A	TRUE	0.45%
Barium	PH1-GWB-1	TRUE	1%
Barium	PH1-GWC-2	FALSE	1%
Barium	PH1-GWC-4	TRUE	1%
Barium	PH1-GWA-1	FALSE	1%
Barium	PH1-GWA-1A	TRUE	1%
Barium	PH1-GWA-2	TRUE	1%
Barium	PH1-GWB-2	FALSE	1%
Barium	PH1-GWC-1	TRUE	1%
Barium	GWC-1	TRUE	1%
Barium	PH1-GWC-3	TRUE	1%
Barium	PH1-GWC-3A	TRUE	1%
Barium	PH1-GWB-1	TRUE	0.45%
Barium	PH1-GWC-2	FALSE	0.45%
Barium	PH1-GWC-4	TRUE	0.45%
Barium	PH1-GWA-1	FALSE	0.45%
Barium	PH1-GWA-1A	TRUE	0.45%
Barium	PH1-GWA-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 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Barium	PH1-GWB-2	FALSE	0.45%
Barium	PH1-GWC-1	TRUE	0.45%
Barium	GWC-1	TRUE	0.45%
Barium	PH1-GWC-3	TRUE	0.45%
Barium	PH1-GWC-3A	TRUE	0.45%
cis-1,2-Dichloroethene	PH1-GWB-1	FALSE	1%
cis-1,2-Dichloroethene	PH1-GWC-4	FALSE	1%
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-2	FALSE	1%
cis-1,2-Dichloroethene	PH1-GWC-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-GWC-3	TRUE	1%
cis-1,2-Dichloroethene	PH1-GWC-3A	TRUE	1%
cis-1,2-Dichloroethene	PH1-GWB-1	FALSE	0.45%
cis-1,2-Dichloroethene	PH1-GWC-4	FALSE	0.45%
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-2	FALSE	0.45%
cis-1,2-Dichloroethene	PH1-GWC-1	FALSE	0.45%
cis-1,2-Dichloroethene	PH1-GWC-2	TRUE	0.45%
cis-1,2-Dichloroethene	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%
Cobalt	PH1-GWB-1	FALSE	1%
Cobalt	PH1-GWC-2	FALSE	1%
Cobalt	PH1-GWC-4	FALSE	1%
Cobalt	PH1-GWA-1	TRUE	1%
Cobalt	PH1-GWA-1A	FALSE	1%
Cobalt	PH1-GWA-2	FALSE	1%
Cobalt	PH1-GWB-2	FALSE	1%
Cobalt	PH1-GWC-1	FALSE	1%
Cobalt	GWC-1	FALSE	1%
Cobalt	PH1-GWC-3	FALSE	1%
Cobalt	PH1-GWC-3A	FALSE	1%
Cobalt	PH1-GWB-1	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.
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Forsyth County - Hightower Road MSWLF - Phase I
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Parameter Name	Well ID	Statistically Significant	Confidence Level
Cobalt	PH1-GWC-2	FALSE	0.45%
Cobalt	PH1-GWC-4	FALSE	0.45%
Cobalt	PH1-GWA-1	TRUE	0.45%
Cobalt	PH1-GWA-1A	FALSE	0.45%
Cobalt	PH1-GWA-2	FALSE	0.45%
Cobalt	PH1-GWB-2	FALSE	0.45%
Cobalt	PH1-GWC-1	FALSE	0.45%
Cobalt	GWC-1	FALSE	0.45%
Cobalt	PH1-GWC-3	FALSE	0.45%
Cobalt	PH1-GWC-3A	FALSE	0.45%
Tetrachloroethene	PH1-GWB-1	FALSE	1%
Tetrachloroethene	PH1-GWC-4	FALSE	1%
Tetrachloroethene	PH1-GWA-1	FALSE	1%
Tetrachloroethene	PH1-GWA-1A	FALSE	1%
Tetrachloroethene	PH1-GWA-2	FALSE	1%
Tetrachloroethene	PH1-GWB-2	FALSE	1%
Tetrachloroethene	PH1-GWC-1	FALSE	1%
Tetrachloroethene	PH1-GWC-2	TRUE	1%
Tetrachloroethene	GWC-1	FALSE	1%
Tetrachloroethene	PH1-GWC-3	TRUE	1%
Tetrachloroethene	PH1-GWC-3A	TRUE	1%
Tetrachloroethene	PH1-GWB-1	FALSE	0.45%
Tetrachloroethene	PH1-GWC-4	FALSE	0.45%
Tetrachloroethene	PH1-GWA-1	FALSE	0.45%
Tetrachloroethene	PH1-GWA-1A	FALSE	0.45%
Tetrachloroethene	PH1-GWA-2	FALSE	0.45%
Tetrachloroethene	PH1-GWB-2	FALSE	0.45%
Tetrachloroethene	PH1-GWC-1	FALSE	0.45%
Tetrachloroethene	PH1-GWC-2	TRUE	0.45%
Tetrachloroethene	GWC-1	FALSE	0.45%
Tetrachloroethene	PH1-GWC-3	TRUE	0.45%
Tetrachloroethene	PH1-GWC-3A	TRUE	0.45%
Trichloroethene	PH1-GWB-1	FALSE	1%
Trichloroethene	PH1-GWC-4	FALSE	1%
Trichloroethene	PH1-GWA-1	FALSE	1%
Trichloroethene	PH1-GWA-1A	FALSE	1%
Trichloroethene	PH1-GWA-2	TRUE	1%
Trichloroethene	PH1-GWB-2	FALSE	1%
Trichloroethene	PH1-GWC-1	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
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Parameter Name	Well ID	Statistically Significant	Confidence Level
Trichloroethene	PH1-GWC-2	FALSE	1%
Trichloroethene	GWC-1	FALSE	1%
Trichloroethene	PH1-GWC-3	TRUE	1%
Trichloroethene	PH1-GWC-3A	TRUE	1%
Trichloroethene	PH1-GWB-1	FALSE	0.45%
Trichloroethene	PH1-GWC-4	FALSE	0.45%
Trichloroethene	PH1-GWA-1	FALSE	0.45%
Trichloroethene	PH1-GWA-1A	FALSE	0.45%
Trichloroethene	PH1-GWA-2	TRUE	0.45%
Trichloroethene	PH1-GWB-2	FALSE	0.45%
Trichloroethene	PH1-GWC-1	FALSE	0.45%
Trichloroethene	PH1-GWC-2	FALSE	0.45%
Trichloroethene	GWC-1	FALSE	0.45%
Trichloroethene	PH1-GWC-3	TRUE	0.45%
Trichloroethene	PH1-GWC-3A	TRUE	0.45%
Zinc	PH1-GWB-1	FALSE	1%
Zinc	PH1-GWC-2	FALSE	1%
Zinc	PH1-GWC-4	FALSE	1%
Zinc	PH1-GWA-1	TRUE	1%
Zinc	PH1-GWA-1A	FALSE	1%
Zinc	PH1-GWA-2	FALSE	1%
Zinc	PH1-GWB-2	TRUE	1%
Zinc	PH1-GWC-1	FALSE	1%
Zinc	GWC-1	FALSE	1%
Zinc	PH1-GWC-3	FALSE	1%
Zinc	PH1-GWC-3A	FALSE	1%
Zinc	PH1-GWB-1	FALSE	0.45%
Zinc	PH1-GWC-2	FALSE	0.45%
Zinc	PH1-GWC-4	FALSE	0.45%
Zinc	PH1-GWA-1	TRUE	0.45%
Zinc	PH1-GWA-1A	FALSE	0.45%
Zinc	PH1-GWA-2	FALSE	0.45%
Zinc	PH1-GWB-2	TRUE	0.45%
Zinc	PH1-GWC-1	FALSE	0.45%
Zinc	GWC-1	FALSE	0.45%
Zinc	PH1-GWC-3	FALSE	0.45%
Zinc	PH1-GWC-3A	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
GWA-2	12/7/2015	ND<1	169
	6/13/2016	ND<1	169
	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

Rank Sum = 2028
 Rank Mean = 169

GWA-1	12/8/2015	ND<1	169
	6/14/2016	ND<1	169
	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

Rank Sum = 2028
 Rank Mean = 169

Background Rank Sum = 4056
 Background Rank Mean = 169

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-3	12/7/2015	ND<1	169
	6/13/2016	ND<1	169
	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

Rank Sum = 2028
 Rank Mean = 169

GWC-10	12/7/2015	ND<1	169
	6/14/2016	ND<1	169
	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

Rank Sum = 2028
 Rank Mean = 169

GWC-10A	12/7/2015	ND<1	169
	6/14/2016	ND<1	169
	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

Rank Sum = 2028
 Rank Mean = 169

GWC-11	12/7/2015	ND<1	169
	6/14/2016	ND<1	169
	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

Rank Sum = 2028
 Rank Mean = 169

GWC-12	12/7/2015	ND<1	169
	6/14/2016	ND<1	169
	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

Rank Sum = 2028
 Rank Mean = 169

1,1-Dichloroethane

GWC-12A	12/7/2015	ND<1	169
	6/14/2016	ND<1	169
	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

Rank Sum = 2028
Rank Mean = 169

GWC-13	12/7/2015	ND<1	169
	6/15/2016	ND<1	169
	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

Rank Sum = 2028
Rank Mean = 169

GWC-5	12/7/2015	ND<1	169
	6/14/2016	ND<1	169
	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

Rank Sum = 2028
Rank Mean = 169

GWC-7	12/7/2015	ND<1	169
	6/15/2016	ND<1	169
	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

Rank Sum = 2028
Rank Mean = 169

GWA-1A	12/8/2015	ND<1	169
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1,1-Dichloroethane

	6/14/2016	ND<1	169
	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

Rank Sum = 2028
Rank Mean = 169

GWC-17	12/8/2015	ND<1	169
	6/13/2016	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
	12/10/2019	ND<1	169
	6/23/2020	ND<1	169
	12/15/2020	ND<1	169
	6/14/2021	ND<1	169

Rank Sum = 1859
Rank Mean = 169

GWC-23	12/8/2015	ND<1	169
	6/15/2016	ND<1	169
	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

Rank Sum = 2028
Rank Mean = 169

GWC-23A	12/8/2015	ND<1	169
	6/15/2016	ND<1	169
	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

Rank Sum = 2028
Rank Mean = 169

GWC-24	12/8/2015	ND<1	169
	6/13/2016	ND<1	169
	12/7/2016	ND<1	169

1,1-Dichloroethane

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

Rank Sum = 2028
Rank Mean = 169

GWC-6	12/8/2015	ND<1	169
	6/14/2016	ND<1	169
	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

Rank Sum = 2028
Rank Mean = 169

GWC-9	12/8/2015	ND<1	169
	6/14/2016	ND<1	169
	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

Rank Sum = 2028
Rank Mean = 169

GWC-14	12/9/2015	ND<1	169
	6/15/2016	ND<1	169
	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

Rank Sum = 1521
Rank Mean = 169

GWC-14A	12/9/2015	16	371
	6/15/2016	16	372
	12/8/2016	22	385
	6/13/2017	16	373
	12/12/2017	23	389
	6/20/2018	17	377
	12/19/2018	16	374

1,1-Dichloroethane

6/11/2019	9.2	356
12/10/2019	14	365
6/24/2020	10	359
12/15/2020	11	360
6/15/2021	9.2	357

Rank Sum = 4438
Rank Mean = 369.833

GWC-15	12/9/2015	5.2	354
	6/15/2016	ND<1	169
	12/8/2016	38	394
	6/14/2017	2.9	341
	12/13/2017	3.7	346
	6/19/2018	ND<1	169
	12/19/2018	3	342
	6/11/2019	38	395
	12/10/2019	23	390
	6/25/2020	39	396
	12/17/2020	33	393
	6/16/2021	42	397

Rank Sum = 4086
Rank Mean = 340.5

GWC-16A	12/9/2015	5.5	355
	6/16/2016	ND<1	169
	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

Rank Sum = 2392
Rank Mean = 199.333

GWC-18	12/9/2015	ND<1	169
	6/13/2016	ND<1	169
	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

Rank Sum = 2028
Rank Mean = 169

GWC-19R	12/9/2015	ND<1	169
	6/15/2016	ND<1	169
	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

1,1-Dichloroethane

12/9/2019	ND<1	169
6/23/2020	ND<1	169
12/15/2020	ND<1	169
6/14/2021	ND<1	169

Rank Sum = 2028
Rank Mean = 169

GWC-2	12/9/2015	ND<1	169
	6/14/2016	ND<1	169
	12/8/2016	ND<1	169
	6/15/2017	ND<1	169
	12/13/2017	ND<1	169
	6/20/2018	ND<1	169
	12/19/2018	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

Rank Sum = 2028
Rank Mean = 169

GWC-22	12/9/2015	ND<1	169
	6/15/2016	ND<1	169
	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

Rank Sum = 2028
Rank Mean = 169

GWC-3	12/9/2015	ND<1	169
	6/14/2016	ND<1	169
	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

Rank Sum = 1859
Rank Mean = 169

GWC-3A	12/9/2015	ND<1	169
	6/14/2016	ND<1	169
	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

1,1-Dichloroethane

12/16/2020	ND<1	169
6/14/2021	ND<1	169

Rank Sum = 2028
Rank Mean = 169

GWC-4	12/9/2015	ND<1	169
	6/16/2016	ND<1	169
	12/7/2016	ND<1	169
	6/20/2018	ND<1	169
	6/23/2020	ND<1	169
	12/17/2020	ND<1	169
	6/16/2021	ND<1	169

Rank Sum = 1183
Rank Mean = 169

GWC-4A	12/9/2015	ND<1	169
	6/16/2016	ND<1	169
	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

Rank Sum = 2028
Rank Mean = 169

GWC-14R	12/10/2015	22	386
	6/15/2016	26	392
	12/8/2016	24	391
	6/13/2017	21	384
	12/12/2017	20	383
	6/20/2018	22	387
	12/19/2018	18	378
	6/12/2019	18	379
	12/10/2019	14	366
	6/23/2020	18	380
	12/17/2020	19	382
	6/16/2021	16	375

Rank Sum = 4583
Rank Mean = 381.917

GWC-8	12/10/2015	ND<1	169
	6/15/2016	ND<1	169
	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

Rank Sum = 1859
Rank Mean = 169

GWC-8A	12/10/2015	3.8	349
	6/15/2016	3.4	345

1,1-Dichloroethane

12/8/2016	5.1	353
6/13/2017	3	343
12/12/2017	4.9	352
6/20/2018	3.9	350
12/19/2018	4.2	351
6/12/2019	2.6	340
12/11/2019	3.7	348
6/23/2020	2.4	338
12/15/2020	3.2	344
6/16/2021	2.5	339

Rank Sum = 4152
Rank Mean = 346

GWC-8R	12/10/2015	18	381
	6/15/2016	15	369
	12/8/2016	15	370
	6/13/2017	14	367
	12/12/2017	14	368
	6/20/2018	22	388
	12/19/2018	13	363
	6/12/2019	12	361
	12/11/2019	9.3	358
	6/23/2020	13	364
	12/15/2020	12	362
	6/16/2021	16	376

Rank Sum = 4427
Rank Mean = 368.917

Calculation Results:

Kruskal-Wallis H Statistic = 143.558

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 369.679

95% Confidence comparison value is 46.1942 at 32 degrees of freedom

143.558 > 46.1942 indicating a significant group difference at 5% significance level

369.679 > 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
GWA-3	169	0	94.3789
GWC-10	169	0	94.3789
GWC-10A	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-5	169	0	94.3789
GWC-7	169	0	94.3789
GWA-1A	169	0	94.3789
GWC-17	169	0	97.1968
GWC-23	169	0	94.3789
GWC-23A	169	0	94.3789
GWC-24	169	0	94.3789
GWC-6	169	0	94.3789
GWC-9	169	0	94.3789
GWC-14	169	0	104.34
GWC-14A	369.833	200.833	94.3789
GWC-15	340.5	171.5	94.3789
GWC-16A	199.333	30.3333	94.3789

1,1-Dichloroethane

GWC-18	169	0	94.3789
GWC-19R	169	0	94.3789
GWC-2	169	0	94.3789
GWC-22	169	0	94.3789
GWC-3	169	0	97.1968
GWC-3A	169	0	94.3789
GWC-4	169	0	114.669
GWC-4A	169	0	94.3789
GWC-14R	381.917	212.917	94.3789
GWC-8	169	0	97.1968
GWC-8A	346	177	94.3789
GWC-8R	368.917	199.917	94.3789

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
GWA-3	169	0	125.37
GWC-10	169	0	125.37
GWC-10A	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-5	169	0	125.37
GWC-7	169	0	125.37
GWA-1A	169	0	125.37
GWC-17	169	0	129.113
GWC-23	169	0	125.37
GWC-23A	169	0	125.37
GWC-24	169	0	125.37
GWC-6	169	0	125.37
GWC-9	169	0	125.37
GWC-14	169	0	138.602
GWC-14A	369.833	200.833	125.37
GWC-15	340.5	171.5	125.37
GWC-16A	199.333	30.3333	125.37
GWC-18	169	0	125.37
GWC-19R	169	0	125.37
GWC-2	169	0	125.37
GWC-22	169	0	125.37
GWC-3	169	0	129.113
GWC-3A	169	0	125.37
GWC-4	169	0	152.323
GWC-4A	169	0	125.37
GWC-14R	381.917	212.917	125.37
GWC-8	169	0	129.113
GWC-8A	346	177	125.37
GWC-8R	368.917	199.917	125.37

Kruskal-Wallis Non-Parametric Test

Parameter: 1,2,3-Trichloropropane
Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
GWA-2	12/7/2015	ND<5	198.5
	6/13/2016	ND<5	198.5
	12/8/2016	ND<5	198.5
	6/15/2017	ND<5	198.5
	12/11/2017	ND<5	198.5
	6/19/2018	ND<5	198.5
	12/17/2018	ND<5	198.5
	6/11/2019	ND<5	198.5
	12/11/2019	ND<5	198.5
	6/22/2020	ND<5	198.5
	12/17/2020	ND<5	198.5
	6/15/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWA-1	12/8/2015	ND<5	198.5
	6/14/2016	ND<5	198.5
	12/7/2016	ND<5	198.5
	6/13/2017	ND<5	198.5
	12/11/2017	ND<5	198.5
	6/19/2018	ND<5	198.5
	12/17/2018	ND<5	198.5
	6/10/2019	ND<5	198.5
	12/9/2019	ND<5	198.5
	6/23/2020	ND<5	198.5
	12/17/2020	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

Background Rank Sum = 4764
Background Rank Mean = 198.5

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-3	12/7/2015	ND<5	198.5
	6/13/2016	ND<5	198.5
	12/8/2016	ND<5	198.5
	6/14/2017	ND<5	198.5
	12/11/2017	ND<5	198.5
	6/18/2018	ND<5	198.5
	12/17/2018	ND<5	198.5
	6/11/2019	ND<5	198.5
	12/10/2019	ND<5	198.5
	6/22/2020	ND<5	198.5
	12/16/2020	ND<5	198.5
	6/14/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-10	12/7/2015	ND<5	198.5
	6/14/2016	ND<5	198.5
	12/8/2016	ND<5	198.5
	6/15/2017	ND<5	198.5
	12/12/2017	ND<5	198.5
	6/19/2018	ND<5	198.5
	12/17/2018	ND<5	198.5
	6/10/2019	ND<5	198.5
	12/12/2019	ND<5	198.5
	6/24/2020	ND<5	198.5
	12/15/2020	ND<5	198.5
	6/15/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-10A	12/7/2015	ND<5	198.5
	6/14/2016	ND<5	198.5
	12/8/2016	ND<5	198.5
	6/15/2017	ND<5	198.5
	12/12/2017	ND<5	198.5
	6/19/2018	ND<5	198.5
	12/17/2018	ND<5	198.5
	6/10/2019	ND<5	198.5
	12/12/2019	ND<5	198.5
	6/24/2020	ND<5	198.5
	12/15/2020	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-11	12/7/2015	ND<5	198.5
	6/14/2016	ND<5	198.5
	12/7/2016	ND<5	198.5
	6/14/2017	ND<5	198.5
	12/13/2017	ND<5	198.5
	6/19/2018	ND<5	198.5
	12/19/2018	ND<5	198.5
	6/12/2019	ND<5	198.5
	12/12/2019	ND<5	198.5
	6/24/2020	ND<5	198.5
	12/15/2020	ND<5	198.5
	6/15/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-12	12/7/2015	ND<5	198.5
	6/14/2016	ND<5	198.5
	12/7/2016	ND<5	198.5
	6/14/2017	ND<5	198.5
	12/13/2017	ND<5	198.5
	6/19/2018	ND<5	198.5
	12/19/2018	ND<5	198.5
	6/11/2019	ND<5	198.5
	12/9/2019	ND<5	198.5
	6/24/2020	ND<5	198.5
	12/15/2020	ND<5	198.5
	6/15/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

1,2,3-Trichloropropane

GWC-12A	12/7/2015	ND<5	198.5
	6/14/2016	ND<5	198.5
	12/7/2016	ND<5	198.5
	6/14/2017	ND<5	198.5
	12/13/2017	ND<5	198.5
	6/19/2018	ND<5	198.5
	12/19/2018	ND<5	198.5
	6/11/2019	ND<5	198.5
	12/9/2019	ND<5	198.5
	6/24/2020	ND<5	198.5
	12/15/2020	ND<5	198.5
	6/15/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-13	12/7/2015	ND<5	198.5
	6/15/2016	ND<5	198.5
	12/7/2016	ND<5	198.5
	6/14/2017	ND<5	198.5
	12/12/2017	ND<5	198.5
	6/19/2018	ND<5	198.5
	12/19/2018	ND<5	198.5
	6/12/2019	ND<5	198.5
	12/11/2019	ND<5	198.5
	6/23/2020	ND<5	198.5
	12/15/2020	ND<5	198.5
	6/15/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-5	12/7/2015	ND<5	198.5
	6/14/2016	ND<5	198.5
	12/8/2016	ND<5	198.5
	6/12/2017	ND<5	198.5
	12/12/2017	ND<5	198.5
	6/21/2018	ND<5	198.5
	12/18/2018	ND<5	198.5
	6/12/2019	ND<5	198.5
	12/10/2019	ND<5	198.5
	6/23/2020	ND<5	198.5
	12/17/2020	ND<5	198.5
	6/15/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-7	12/7/2015	ND<5	198.5
	6/15/2016	ND<5	198.5
	12/8/2016	ND<5	198.5
	6/12/2017	ND<5	198.5
	12/12/2017	ND<5	198.5
	6/19/2018	ND<5	198.5
	12/18/2018	ND<5	198.5
	6/12/2019	ND<5	198.5
	12/11/2019	ND<5	198.5
	6/24/2020	ND<5	198.5
	12/17/2020	ND<5	198.5
	6/15/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWA-1A	12/8/2015	ND<5	198.5
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1,2,3-Trichloropropane

	6/14/2016	ND<5	198.5
	12/7/2016	ND<5	198.5
	6/12/2017	ND<5	198.5
	12/13/2017	ND<5	198.5
	6/19/2018	ND<5	198.5
	12/18/2018	ND<5	198.5
	6/10/2019	ND<5	198.5
	12/9/2019	ND<5	198.5
	6/23/2020	ND<5	198.5
	12/17/2020	ND<5	198.5
	6/17/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-17	12/8/2015	ND<5	198.5
	6/13/2016	ND<1	198.5
	6/14/2017	ND<1	198.5
	12/12/2017	ND<5	198.5
	6/19/2018	ND<1	198.5
	12/19/2018	ND<5	198.5
	6/12/2019	ND<1	198.5
	12/10/2019	ND<5	198.5
	6/23/2020	ND<1	198.5
	12/15/2020	ND<5	198.5
	6/14/2021	ND<1	198.5

Rank Sum = 2183.5
Rank Mean = 198.5

GWC-23	12/8/2015	ND<5	198.5
	6/15/2016	ND<5	198.5
	12/6/2016	ND<5	198.5
	6/14/2017	ND<5	198.5
	12/11/2017	ND<5	198.5
	6/18/2018	ND<5	198.5
	12/18/2018	ND<5	198.5
	6/12/2019	ND<5	198.5
	12/11/2019	ND<5	198.5
	6/24/2020	ND<5	198.5
	12/16/2020	ND<5	198.5
	6/14/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-23A	12/8/2015	ND<5	198.5
	6/15/2016	ND<5	198.5
	12/6/2016	ND<5	198.5
	6/14/2017	ND<5	198.5
	12/11/2017	ND<5	198.5
	6/18/2018	ND<5	198.5
	12/18/2018	ND<5	198.5
	6/12/2019	ND<5	198.5
	12/11/2019	ND<5	198.5
	6/24/2020	ND<5	198.5
	12/16/2020	ND<5	198.5
	6/14/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-24	12/8/2015	ND<5	198.5
	6/13/2016	ND<1	198.5
	12/7/2016	ND<5	198.5

1,2,3-Trichloropropane

6/14/2017	ND<1	198.5
12/13/2017	ND<5	198.5
6/19/2018	ND<1	198.5
12/19/2018	ND<5	198.5
6/11/2019	ND<1	198.5
12/9/2019	ND<5	198.5
6/24/2020	ND<1	198.5
12/15/2020	ND<5	198.5
6/14/2021	ND<1	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-6	12/8/2015	ND<5	198.5
	6/14/2016	ND<5	198.5
	12/8/2016	ND<5	198.5
	6/12/2017	ND<5	198.5
	12/13/2017	ND<5	198.5
	6/21/2018	ND<5	198.5
	12/19/2018	ND<5	198.5
	6/12/2019	ND<5	198.5
	12/10/2019	ND<5	198.5
	6/24/2020	ND<5	198.5
	12/17/2020	ND<5	198.5
	6/15/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-9	12/8/2015	ND<5	198.5
	6/14/2016	ND<5	198.5
	12/8/2016	ND<5	198.5
	6/15/2017	ND<5	198.5
	12/13/2017	ND<5	198.5
	6/20/2018	ND<5	198.5
	12/18/2018	ND<5	198.5
	6/12/2019	ND<5	198.5
	12/12/2019	ND<5	198.5
	6/24/2020	ND<5	198.5
	12/17/2020	ND<5	198.5
	6/15/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-14	12/9/2015	ND<5	198.5
	6/15/2016	ND<5	198.5
	6/13/2017	ND<5	198.5
	6/20/2018	ND<5	198.5
	6/11/2019	ND<5	198.5
	12/10/2019	ND<5	198.5
	6/24/2020	ND<5	198.5
	12/17/2020	ND<5	198.5
	6/15/2021	ND<5	198.5

Rank Sum = 1786.5
Rank Mean = 198.5

GWC-14A	12/9/2015	ND<5	198.5
	6/15/2016	ND<1	198.5
	12/8/2016	ND<5	198.5
	6/13/2017	ND<1	198.5
	12/12/2017	ND<5	198.5
	6/20/2018	ND<1	198.5
	12/19/2018	ND<5	198.5

1,2,3-Trichloropropane

6/11/2019	ND<1	198.5
12/10/2019	ND<5	198.5
6/24/2020	ND<1	198.5
12/15/2020	ND<5	198.5
6/15/2021	ND<1	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-15	12/9/2015	ND<5	198.5
	6/15/2016	ND<1	198.5
	12/8/2016	ND<5	198.5
	6/14/2017	ND<1	198.5
	12/13/2017	ND<5	198.5
	6/19/2018	ND<1	198.5
	12/19/2018	ND<5	198.5
	6/11/2019	ND<1	198.5
	12/10/2019	ND<5	198.5
	6/25/2020	ND<1	198.5
	12/17/2020	ND<5	198.5
	6/16/2021	ND<1	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-16A	12/9/2015	ND<5	198.5
	6/16/2016	ND<1	198.5
	12/7/2016	ND<5	198.5
	6/14/2017	ND<1	198.5
	12/13/2017	ND<5	198.5
	6/21/2018	ND<1	198.5
	12/19/2018	ND<5	198.5
	6/13/2019	ND<1	198.5
	12/11/2019	ND<5	198.5
	6/23/2020	ND<1	198.5
	12/17/2020	ND<5	198.5
	6/16/2021	ND<1	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-18	12/9/2015	ND<5	198.5
	6/13/2016	ND<1	198.5
	12/6/2016	ND<5	198.5
	6/14/2017	ND<1	198.5
	12/13/2017	ND<5	198.5
	6/19/2018	ND<1	198.5
	12/18/2018	ND<5	198.5
	6/11/2019	ND<1	198.5
	12/9/2019	ND<5	198.5
	6/23/2020	ND<1	198.5
	12/15/2020	ND<5	198.5
	6/14/2021	ND<1	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-19R	12/9/2015	ND<5	198.5
	6/15/2016	ND<1	198.5
	12/6/2016	ND<5	198.5
	6/14/2017	ND<1	198.5
	12/13/2017	ND<5	198.5
	6/19/2018	ND<1	198.5
	12/18/2018	ND<5	198.5
	6/11/2019	ND<1	198.5

1,2,3-Trichloropropane

12/9/2019	ND<5	198.5
6/23/2020	ND<1	198.5
12/15/2020	ND<5	198.5
6/14/2021	ND<1	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-2	12/9/2015	ND<5	198.5
	6/14/2016	ND<5	198.5
	12/8/2016	ND<5	198.5
	6/15/2017	ND<5	198.5
	12/13/2017	ND<5	198.5
	6/20/2018	ND<5	198.5
	12/19/2018	ND<5	198.5
	6/12/2019	ND<5	198.5
	12/10/2019	ND<5	198.5
	6/22/2020	ND<5	198.5
	12/16/2020	ND<5	198.5
	6/15/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-22	12/9/2015	ND<5	198.5
	6/15/2016	ND<5	198.5
	12/6/2016	ND<5	198.5
	6/14/2017	ND<5	198.5
	12/11/2017	ND<5	198.5
	6/19/2018	ND<5	198.5
	12/18/2018	ND<5	198.5
	6/12/2019	ND<5	198.5
	12/11/2019	ND<5	198.5
	6/23/2020	ND<5	198.5
	12/17/2020	ND<5	198.5
	6/14/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-3	12/9/2015	ND<5	198.5
	6/14/2016	ND<5	198.5
	12/8/2016	ND<5	198.5
	6/15/2017	ND<5	198.5
	6/21/2018	ND<5	198.5
	12/17/2018	ND<5	198.5
	6/11/2019	ND<5	198.5
	12/10/2019	ND<5	198.5
	6/24/2020	ND<5	198.5
	12/16/2020	ND<5	198.5
	6/15/2021	ND<5	198.5

Rank Sum = 2183.5
Rank Mean = 198.5

GWC-3A	12/9/2015	ND<5	198.5
	6/14/2016	ND<5	198.5
	12/8/2016	ND<5	198.5
	6/15/2017	ND<5	198.5
	12/12/2017	ND<5	198.5
	6/20/2018	ND<5	198.5
	12/17/2018	ND<5	198.5
	6/11/2019	ND<5	198.5
	12/10/2019	ND<5	198.5
	6/24/2020	ND<5	198.5

1,2,3-Trichloropropane

12/16/2020	ND<5	198.5
6/14/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-4	12/9/2015	ND<5	198.5
	6/16/2016	ND<5	198.5
	12/7/2016	ND<5	198.5
	6/20/2018	ND<5	198.5
	6/23/2020	ND<5	198.5
	12/17/2020	ND<5	198.5
	6/16/2021	ND<5	198.5

Rank Sum = 1389.5
Rank Mean = 198.5

GWC-4A	12/9/2015	ND<5	198.5
	6/16/2016	ND<5	198.5
	12/7/2016	ND<5	198.5
	6/13/2017	ND<5	198.5
	12/12/2017	ND<5	198.5
	6/20/2018	ND<5	198.5
	12/17/2018	ND<5	198.5
	6/11/2019	ND<5	198.5
	12/11/2019	ND<5	198.5
	6/23/2020	ND<5	198.5
	12/17/2020	ND<5	198.5
	6/17/2021	ND<5	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-14R	12/10/2015	ND<5	198.5
	6/15/2016	ND<1	198.5
	12/8/2016	ND<5	198.5
	6/13/2017	ND<1	198.5
	12/12/2017	ND<5	198.5
	6/20/2018	ND<1	198.5
	12/19/2018	ND<5	198.5
	6/12/2019	ND<1	198.5
	12/10/2019	ND<5	198.5
	6/23/2020	ND<1	198.5
	12/17/2020	ND<5	198.5
	6/16/2021	33	397

Rank Sum = 2580.5
Rank Mean = 215.042

GWC-8	12/10/2015	ND<5	198.5
	6/15/2016	ND<5	198.5
	12/8/2016	ND<5	198.5
	12/12/2017	ND<5	198.5
	6/20/2018	ND<5	198.5
	12/19/2018	ND<5	198.5
	6/12/2019	ND<5	198.5
	12/11/2019	ND<5	198.5
	6/23/2020	ND<5	198.5
	12/16/2020	ND<5	198.5
	6/16/2021	ND<5	198.5

Rank Sum = 2183.5
Rank Mean = 198.5

GWC-8A	12/10/2015	ND<5	198.5
	6/15/2016	ND<1	198.5

1,2,3-Trichloropropane

12/8/2016	ND<5	198.5
6/13/2017	ND<1	198.5
12/12/2017	ND<5	198.5
6/20/2018	ND<1	198.5
12/19/2018	ND<5	198.5
6/12/2019	ND<1	198.5
12/11/2019	ND<5	198.5
6/23/2020	ND<1	198.5
12/15/2020	ND<5	198.5
6/16/2021	ND<1	198.5

Rank Sum = 2382
Rank Mean = 198.5

GWC-8R	12/10/2015	ND<5	198.5
	6/15/2016	ND<1	198.5
	12/8/2016	ND<5	198.5
	6/13/2017	ND<1	198.5
	12/12/2017	ND<5	198.5
	6/20/2018	ND<1	198.5
	12/19/2018	ND<5	198.5
	6/12/2019	ND<1	198.5
	12/11/2019	ND<5	198.5
	6/23/2020	ND<1	198.5
	12/15/2020	ND<5	198.5
	6/16/2021	ND<1	198.5

Rank Sum = 2382
Rank Mean = 198.5

Calculation Results:

Kruskal-Wallis H Statistic = 0.241834
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 32.0833
95% Confidence comparison value is 46.1942 at 32 degrees of freedom
0.241834 < 46.1942 indicating no significant group difference at 5% significance level
32.0833 < 46.1942 indicating no significant group difference at 5% significance level when adjusted for ties

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-2	12/7/2015	ND<1	185
	6/13/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWA-1	12/8/2015	ND<1	185
	6/14/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

Background Rank Sum = 4440
Background Rank Mean = 185

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-3	12/7/2015	ND<1	185
	6/13/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

Benzene

GWC-10	12/7/2015	ND<1	185
	6/14/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-10A	12/7/2015	ND<1	185
	6/14/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-11	12/7/2015	ND<1	185
	6/14/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-12	12/7/2015	ND<1	185
	6/14/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

Benzene

GWC-12A	12/7/2015	ND<1	185
	6/14/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-13	12/7/2015	ND<1	185
	6/15/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-5	12/7/2015	ND<1	185
	6/14/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-7	12/7/2015	ND<1	185
	6/15/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWA-1A	12/8/2015	ND<1	185
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Benzene

6/14/2016	ND<1	185
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

Rank Sum = 2220
Rank Mean = 185

GWC-17	12/8/2015	ND<1	185
	6/13/2016	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
	12/10/2019	ND<1	185
	6/23/2020	ND<1	185
	12/15/2020	ND<1	185
	6/14/2021	ND<1	185

Rank Sum = 2035
Rank Mean = 185

GWC-23	12/8/2015	ND<1	185
	6/15/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-23A	12/8/2015	ND<1	185
	6/15/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-24	12/8/2015	ND<1	185
	6/13/2016	ND<1	185
	12/7/2016	ND<1	185

Benzene

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

Rank Sum = 2220
Rank Mean = 185

GWC-6	12/8/2015	ND<1	185
	6/14/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-9	12/8/2015	ND<1	185
	6/14/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-14	12/9/2015	ND<1	185
	6/15/2016	ND<1	185
	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

Rank Sum = 1665
Rank Mean = 185

GWC-14A	12/9/2015	2.3	373
	6/15/2016	2.5	377
	12/8/2016	2.3	374
	6/13/2017	2.8	384
	12/12/2017	3	389
	6/20/2018	2.8	385
	12/19/2018	2.5	378

Benzene

6/11/2019	2.1	371
12/10/2019	2.6	380
6/24/2020	2.5	379
12/15/2020	2.9	388
6/15/2021	2.6	381

Rank Sum = 4559
Rank Mean = 379.917

GWC-15	12/9/2015	ND<1	185
	6/15/2016	ND<1	185
	12/8/2016	3.2	392
	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	390
	12/10/2019	ND<1	185
	6/25/2020	3.6	395
	12/17/2020	3.1	391
	6/16/2021	3.9	397

Rank Sum = 3260
Rank Mean = 271.667

GWC-16A	12/9/2015	2.8	386
	6/16/2016	ND<1	185
	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

Rank Sum = 2421
Rank Mean = 201.75

GWC-18	12/9/2015	ND<1	185
	6/13/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-19R	12/9/2015	ND<1	185
	6/15/2016	ND<1	185
	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

Benzene

12/9/2019	ND<1	185
6/23/2020	ND<1	185
12/15/2020	ND<1	185
6/14/2021	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-2	12/9/2015	ND<1	185
	6/14/2016	ND<1	185
	12/8/2016	ND<1	185
	6/15/2017	ND<1	185
	12/13/2017	ND<1	185
	6/20/2018	ND<1	185
	12/19/2018	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

Rank Sum = 2220
Rank Mean = 185

GWC-22	12/9/2015	ND<1	185
	6/15/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-3	12/9/2015	ND<1	185
	6/14/2016	ND<1	185
	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

Rank Sum = 2035
Rank Mean = 185

GWC-3A	12/9/2015	ND<1	185
	6/14/2016	ND<1	185
	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

Benzene

	12/16/2020	ND<1	185
	6/14/2021	ND<1	185

Rank Sum = 2220
Rank Mean = 185

GWC-4	12/9/2015	ND<1	185
	6/16/2016	ND<1	185
	12/7/2016	ND<1	185
	6/20/2018	ND<1	185
	6/23/2020	ND<1	185
	12/17/2020	ND<1	185
	6/16/2021	ND<1	185

Rank Sum = 1295
Rank Mean = 185

GWC-4A	12/9/2015	ND<1	185
	6/16/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-14R	12/10/2015	ND<1	185
	6/15/2016	ND<1	185
	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

Rank Sum = 2220
Rank Mean = 185

GWC-8	12/10/2015	ND<1	185
	6/15/2016	ND<1	185
	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

Rank Sum = 2035
Rank Mean = 185

GWC-8A	12/10/2015	2.7	382
	6/15/2016	2.2	372

Benzene

	12/8/2016	3.2	393
	6/13/2017	2.3	375
	12/12/2017	3.8	396
	6/20/2018	2.7	383
	12/19/2018	3.3	394
	6/12/2019	ND<1	185
	12/11/2019	2.8	387
	6/23/2020	ND<1	185
	12/15/2020	2.3	376
	6/16/2021	ND<1	185

Rank Sum = 4013
Rank Mean = 334.417

GWC-8R	12/10/2015	ND<1	185
	6/15/2016	ND<1	185
	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	370

Rank Sum = 2405
Rank Mean = 200.417

Calculation Results:

Kruskal-Wallis H Statistic = 56.3792

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 286.166

95% Confidence comparison value is 46.1942 at 32 degrees of freedom

56.3792 > 46.1942 indicating a significant group difference at 5% significance level**286.166 > 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
GWA-3	185	0	94.3789
GWC-10	185	0	94.3789
GWC-10A	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-5	185	0	94.3789
GWC-7	185	0	94.3789
GWA-1A	185	0	94.3789
GWC-17	185	0	97.1968
GWC-23	185	0	94.3789
GWC-23A	185	0	94.3789
GWC-24	185	0	94.3789
GWC-6	185	0	94.3789
GWC-9	185	0	94.3789
GWC-14	185	0	104.34
GWC-14A	379.917	194.917	94.3789
GWC-15	271.667	86.6667	94.3789
GWC-16A	201.75	16.75	94.3789

Benzene

GWC-18	185	0	94.3789
GWC-19R	185	0	94.3789
GWC-2	185	0	94.3789
GWC-22	185	0	94.3789
GWC-3	185	0	97.1968
GWC-3A	185	0	94.3789
GWC-4	185	0	114.669
GWC-4A	185	0	94.3789
GWC-14R	185	0	94.3789
GWC-8	185	0	97.1968
GWC-8A	334.417	149.417	94.3789
GWC-8R	200.417	15.4167	94.3789

**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
GWA-3	185	0	125.37
GWC-10	185	0	125.37
GWC-10A	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-5	185	0	125.37
GWC-7	185	0	125.37
GWA-1A	185	0	125.37
GWC-17	185	0	129.113
GWC-23	185	0	125.37
GWC-23A	185	0	125.37
GWC-24	185	0	125.37
GWC-6	185	0	125.37
GWC-9	185	0	125.37
GWC-14	185	0	138.602
GWC-14A	379.917	194.917	125.37
GWC-15	271.667	86.6667	125.37
GWC-16A	201.75	16.75	125.37
GWC-18	185	0	125.37
GWC-19R	185	0	125.37
GWC-2	185	0	125.37
GWC-22	185	0	125.37
GWC-3	185	0	129.113
GWC-3A	185	0	125.37
GWC-4	185	0	152.323
GWC-4A	185	0	125.37
GWC-14R	185	0	125.37
GWC-8	185	0	129.113
GWC-8A	334.417	149.417	125.37
GWC-8R	200.417	15.4167	125.37

Chlorobenzene

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-2	12/7/2015	ND<5	197.5
	6/13/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/15/2017	ND<5	197.5
	12/11/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/17/2018	ND<5	197.5
	6/11/2019	ND<5	197.5
	12/11/2019	ND<5	197.5
	6/22/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWA-1	12/8/2015	ND<5	197.5
	6/14/2016	ND<5	197.5
	12/7/2016	ND<5	197.5
	6/13/2017	ND<5	197.5
	12/11/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/17/2018	ND<5	197.5
	6/10/2019	ND<5	197.5
	12/9/2019	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

Background Rank Sum = 4740
Background Rank Mean = 197.5

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-3	12/7/2015	ND<5	197.5
	6/13/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/14/2017	ND<5	197.5
	12/11/2017	ND<5	197.5
	6/18/2018	ND<5	197.5
	12/17/2018	ND<5	197.5
	6/11/2019	ND<5	197.5
	12/10/2019	ND<5	197.5
	6/22/2020	ND<5	197.5
	12/16/2020	ND<5	197.5
	6/14/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

Chlorobenzene

GWC-10	12/7/2015	ND<5	197.5
	6/14/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/15/2017	ND<5	197.5
	12/12/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/17/2018	ND<5	197.5
	6/10/2019	ND<5	197.5
	12/12/2019	ND<5	197.5
	6/24/2020	ND<5	197.5
	12/15/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-10A	12/7/2015	ND<5	197.5
	6/14/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/15/2017	ND<5	197.5
	12/12/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/17/2018	ND<5	197.5
	6/10/2019	ND<5	197.5
	12/12/2019	ND<5	197.5
	6/24/2020	ND<5	197.5
	12/15/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-11	12/7/2015	ND<5	197.5
	6/14/2016	ND<5	197.5
	12/7/2016	ND<5	197.5
	6/14/2017	ND<5	197.5
	12/13/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/12/2019	ND<5	197.5
	6/24/2020	ND<5	197.5
	12/15/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-12	12/7/2015	ND<5	197.5
	6/14/2016	ND<5	197.5
	12/7/2016	ND<5	197.5
	6/14/2017	ND<5	197.5
	12/13/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/11/2019	ND<5	197.5
	12/9/2019	ND<5	197.5
	6/24/2020	ND<5	197.5
	12/15/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

Chlorobenzene

GWC-12A	12/7/2015	ND<5	197.5
	6/14/2016	ND<5	197.5
	12/7/2016	ND<5	197.5
	6/14/2017	ND<5	197.5
	12/13/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/11/2019	ND<5	197.5
	12/9/2019	ND<5	197.5
	6/24/2020	ND<5	197.5
	12/15/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-13	12/7/2015	ND<5	197.5
	6/15/2016	ND<5	197.5
	12/7/2016	ND<5	197.5
	6/14/2017	ND<5	197.5
	12/12/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/11/2019	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/15/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-5	12/7/2015	ND<5	197.5
	6/14/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/12/2017	ND<5	197.5
	12/12/2017	ND<5	197.5
	6/21/2018	ND<5	197.5
	12/18/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/10/2019	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-7	12/7/2015	ND<5	197.5
	6/15/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/12/2017	ND<5	197.5
	12/12/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/18/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/11/2019	ND<5	197.5
	6/24/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWA-1A	12/8/2015	ND<5	197.5
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Chlorobenzene

	6/14/2016	ND<5	197.5
	12/7/2016	ND<5	197.5
	6/12/2017	ND<5	197.5
	12/13/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/18/2018	ND<5	197.5
	6/10/2019	ND<5	197.5
	12/9/2019	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/17/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-17	12/8/2015	ND<5	197.5
	6/13/2016	ND<5	197.5
	6/14/2017	ND<5	197.5
	12/12/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/10/2019	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/15/2020	ND<5	197.5
	6/14/2021	ND<5	197.5

Rank Sum = 2172.5
Rank Mean = 197.5

GWC-23	12/8/2015	ND<5	197.5
	6/15/2016	ND<5	197.5
	12/6/2016	ND<5	197.5
	6/14/2017	ND<5	197.5
	12/11/2017	ND<5	197.5
	6/18/2018	ND<5	197.5
	12/18/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/11/2019	ND<5	197.5
	6/24/2020	ND<5	197.5
	12/16/2020	ND<5	197.5
	6/14/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-23A	12/8/2015	ND<5	197.5
	6/15/2016	ND<5	197.5
	12/6/2016	ND<5	197.5
	6/14/2017	ND<5	197.5
	12/11/2017	ND<5	197.5
	6/18/2018	ND<5	197.5
	12/18/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/11/2019	ND<5	197.5
	6/24/2020	ND<5	197.5
	12/16/2020	ND<5	197.5
	6/14/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-24	12/8/2015	ND<5	197.5
	6/13/2016	ND<5	197.5
	12/7/2016	ND<5	197.5

Chlorobenzene

	6/14/2017	ND<5	197.5
	12/13/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/11/2019	ND<5	197.5
	12/9/2019	ND<5	197.5
	6/24/2020	ND<5	197.5
	12/15/2020	ND<5	197.5
	6/14/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-6	12/8/2015	ND<5	197.5
	6/14/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/12/2017	ND<5	197.5
	12/13/2017	ND<5	197.5
	6/21/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/10/2019	ND<5	197.5
	6/24/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-9	12/8/2015	ND<5	197.5
	6/14/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/15/2017	ND<5	197.5
	12/13/2017	ND<5	197.5
	6/20/2018	ND<5	197.5
	12/18/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/12/2019	ND<5	197.5
	6/24/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-14	12/9/2015	ND<5	197.5
	6/15/2016	ND<5	197.5
	6/13/2017	ND<5	197.5
	6/20/2018	ND<5	197.5
	6/11/2019	ND<5	197.5
	12/10/2019	ND<5	197.5
	6/24/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 1777.5
Rank Mean = 197.5

GWC-14A	12/9/2015	ND<5	197.5
	6/15/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/13/2017	ND<5	197.5
	12/12/2017	ND<5	197.5
	6/20/2018	ND<5	197.5
	12/19/2018	ND<5	197.5

Chlorobenzene

6/11/2019	ND<5	197.5
12/10/2019	ND<5	197.5
6/24/2020	12	395
12/15/2020	16	397
6/15/2021	15	396

Rank Sum = 2965.5
Rank Mean = 247.125

GWC-15	12/9/2015	ND<5	197.5
	6/15/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/14/2017	ND<5	197.5
	12/13/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/11/2019	ND<5	197.5
	12/10/2019	ND<5	197.5
	6/25/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/16/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-16A	12/9/2015	ND<5	197.5
	6/16/2016	ND<5	197.5
	12/7/2016	ND<5	197.5
	6/14/2017	ND<5	197.5
	12/13/2017	ND<5	197.5
	6/21/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/13/2019	ND<5	197.5
	12/11/2019	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/16/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-18	12/9/2015	ND<5	197.5
	6/13/2016	ND<5	197.5
	12/6/2016	ND<5	197.5
	6/14/2017	ND<5	197.5
	12/13/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/18/2018	ND<5	197.5
	6/11/2019	ND<5	197.5
	12/9/2019	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/15/2020	ND<5	197.5
	6/14/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-19R	12/9/2015	ND<5	197.5
	6/15/2016	ND<5	197.5
	12/6/2016	ND<5	197.5
	6/14/2017	ND<5	197.5
	12/13/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/18/2018	ND<5	197.5
	6/11/2019	ND<5	197.5

Chlorobenzene

12/9/2019	ND<5	197.5
6/23/2020	ND<5	197.5
12/15/2020	ND<5	197.5
6/14/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-2	12/9/2015	ND<5	197.5
	6/14/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/15/2017	ND<5	197.5
	12/13/2017	ND<5	197.5
	6/20/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/10/2019	ND<5	197.5
	6/22/2020	ND<5	197.5
	12/16/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-22	12/9/2015	ND<5	197.5
	6/15/2016	ND<5	197.5
	12/6/2016	ND<5	197.5
	6/14/2017	ND<5	197.5
	12/11/2017	ND<5	197.5
	6/19/2018	ND<5	197.5
	12/18/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/11/2019	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/14/2021	ND<5	197.5

Rank Sum = 2370
Rank Mean = 197.5

GWC-3	12/9/2015	ND<5	197.5
	6/14/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/15/2017	ND<5	197.5
	6/21/2018	ND<5	197.5
	12/17/2018	ND<5	197.5
	6/11/2019	ND<5	197.5
	12/10/2019	ND<5	197.5
	6/24/2020	ND<5	197.5
	12/16/2020	ND<5	197.5
	6/15/2021	ND<5	197.5

Rank Sum = 2172.5
Rank Mean = 197.5

GWC-3A	12/9/2015	ND<5	197.5
	6/14/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/15/2017	ND<5	197.5
	12/12/2017	ND<5	197.5
	6/20/2018	ND<5	197.5
	12/17/2018	ND<5	197.5
	6/11/2019	ND<5	197.5
	12/10/2019	ND<5	197.5
	6/24/2020	ND<5	197.5

Chlorobenzene

	12/16/2020	ND<5	197.5
	6/14/2021	ND<5	197.5
Rank Sum = 2370			
Rank Mean = 197.5			
<hr/>			
GWC-4	12/9/2015	ND<5	197.5
	6/16/2016	ND<5	197.5
	12/7/2016	ND<5	197.5
	6/20/2018	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/16/2021	ND<5	197.5
Rank Sum = 1382.5			
Rank Mean = 197.5			
<hr/>			
GWC-4A	12/9/2015	ND<5	197.5
	6/16/2016	ND<5	197.5
	12/7/2016	ND<5	197.5
	6/13/2017	ND<5	197.5
	12/12/2017	ND<5	197.5
	6/20/2018	ND<5	197.5
	12/17/2018	ND<5	197.5
	6/11/2019	ND<5	197.5
	12/11/2019	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/17/2021	ND<5	197.5
Rank Sum = 2370			
Rank Mean = 197.5			
<hr/>			
GWC-14R	12/10/2015	ND<5	197.5
	6/15/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/13/2017	ND<5	197.5
	12/12/2017	ND<5	197.5
	6/20/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/10/2019	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/17/2020	ND<5	197.5
	6/16/2021	ND<5	197.5
Rank Sum = 2370			
Rank Mean = 197.5			
<hr/>			
GWC-8	12/10/2015	ND<5	197.5
	6/15/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	12/12/2017	ND<5	197.5
	6/20/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/11/2019	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/16/2020	ND<5	197.5
	6/16/2021	ND<5	197.5
Rank Sum = 2172.5			
Rank Mean = 197.5			
<hr/>			
GWC-8A	12/10/2015	ND<5	197.5
	6/15/2016	ND<5	197.5

Chlorobenzene

	12/8/2016	ND<5	197.5
	6/13/2017	ND<5	197.5
	12/12/2017	ND<5	197.5
	6/20/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/11/2019	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/15/2020	ND<5	197.5
	6/16/2021	ND<5	197.5
Rank Sum = 2370			
Rank Mean = 197.5			
<hr/>			
GWC-8R	12/10/2015	ND<5	197.5
	6/15/2016	ND<5	197.5
	12/8/2016	ND<5	197.5
	6/13/2017	ND<5	197.5
	12/12/2017	ND<5	197.5
	6/20/2018	ND<5	197.5
	12/19/2018	ND<5	197.5
	6/12/2019	ND<5	197.5
	12/11/2019	ND<5	197.5
	6/23/2020	ND<5	197.5
	12/15/2020	ND<5	197.5
	6/16/2021	ND<5	197.5
Rank Sum = 2370			
Rank Mean = 197.5			
<hr/>			
Calculation Results:			
Kruskal-Wallis H Statistic = 2.17651			
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 96.7369			
95% Confidence comparison value is 46.1942 at 32 degrees of freedom			
2.17651 < 46.1942 indicating no significant group difference at 5% significance level			
96.7369 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties			
<hr/>			
Individual Well Comparisons at 1% Significance Level per Comparison			
1% Z score is 2.32634			
Mean background rank is 197.5			
Well	Mean Rank	Dif from Bkg	Critical Value
GWA-3	197.5	0	94.3789
GWC-10	197.5	0	94.3789
GWC-10A	197.5	0	94.3789
GWC-11	197.5	0	94.3789
GWC-12	197.5	0	94.3789
GWC-12A	197.5	0	94.3789
GWC-13	197.5	0	94.3789
GWC-5	197.5	0	94.3789
GWC-7	197.5	0	94.3789
GWA-1A	197.5	0	94.3789
GWC-17	197.5	0	97.1968
GWC-23	197.5	0	94.3789
GWC-23A	197.5	0	94.3789
GWC-24	197.5	0	94.3789
GWC-6	197.5	0	94.3789
GWC-9	197.5	0	94.3789
GWC-14	197.5	0	104.34
GWC-14A	247.125	49.625	94.3789
GWC-15	197.5	0	94.3789
GWC-16A	197.5	0	94.3789

Chlorobenzene

GWC-18	197.5	0	94.3789
GWC-19R	197.5	0	94.3789
GWC-2	197.5	0	94.3789
GWC-22	197.5	0	94.3789
GWC-3	197.5	0	97.1968
GWC-3A	197.5	0	94.3789
GWC-4	197.5	0	114.669
GWC-4A	197.5	0	94.3789
GWC-14R	197.5	0	94.3789
GWC-8	197.5	0	97.1968
GWC-8A	197.5	0	94.3789
GWC-8R	197.5	0	94.3789

**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 197.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-3	197.5	0	125.37
GWC-10	197.5	0	125.37
GWC-10A	197.5	0	125.37
GWC-11	197.5	0	125.37
GWC-12	197.5	0	125.37
GWC-12A	197.5	0	125.37
GWC-13	197.5	0	125.37
GWC-5	197.5	0	125.37
GWC-7	197.5	0	125.37
GWA-1A	197.5	0	125.37
GWC-17	197.5	0	129.113
GWC-23	197.5	0	125.37
GWC-23A	197.5	0	125.37
GWC-24	197.5	0	125.37
GWC-6	197.5	0	125.37
GWC-9	197.5	0	125.37
GWC-14	197.5	0	138.602
GWC-14A	247.125	49.625	125.37
GWC-15	197.5	0	125.37
GWC-16A	197.5	0	125.37
GWC-18	197.5	0	125.37
GWC-19R	197.5	0	125.37
GWC-2	197.5	0	125.37
GWC-22	197.5	0	125.37
GWC-3	197.5	0	129.113
GWC-3A	197.5	0	125.37
GWC-4	197.5	0	152.323
GWC-4A	197.5	0	125.37
GWC-14R	197.5	0	125.37
GWC-8	197.5	0	129.113
GWC-8A	197.5	0	125.37
GWC-8R	197.5	0	125.37

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-2	12/7/2015	ND<1	191
	6/13/2016	ND<1	191
	12/8/2016	ND<1	191
	6/15/2017	ND<1	191
	12/11/2017	ND<1	191
	6/19/2018	ND<1	191
	12/17/2018	ND<1	191
	6/11/2019	ND<1	191
	12/11/2019	ND<1	191
	6/22/2020	ND<1	191
	12/17/2020	ND<1	191
	6/15/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

GWA-1	12/8/2015	ND<1	191
	6/14/2016	ND<1	191
	12/7/2016	ND<1	191
	6/13/2017	ND<1	191
	12/11/2017	ND<1	191
	6/19/2018	ND<1	191
	12/17/2018	ND<1	191
	6/10/2019	ND<1	191
	12/9/2019	ND<1	191
	6/23/2020	ND<1	191
	12/17/2020	ND<1	191
	6/15/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

Background Rank Sum = 4584
Background Rank Mean = 191

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-3	12/7/2015	ND<1	191
	6/13/2016	ND<1	191
	12/8/2016	ND<1	191
	6/14/2017	ND<1	191
	12/11/2017	ND<1	191
	6/18/2018	ND<1	191
	12/17/2018	ND<1	191
	6/11/2019	ND<1	191
	12/10/2019	ND<1	191
	6/22/2020	ND<1	191
	12/16/2020	ND<1	191
	6/14/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

Chloroethane

GWC-10	12/7/2015	ND<1	191
	6/14/2016	ND<1	191
	12/8/2016	ND<1	191
	6/15/2017	ND<1	191
	12/12/2017	ND<1	191
	6/19/2018	ND<1	191
	12/17/2018	ND<1	191
	6/10/2019	ND<1	191
	12/12/2019	ND<1	191
	6/24/2020	ND<1	191
	12/15/2020	ND<1	191
	6/15/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

GWC-10A	12/7/2015	ND<1	191
	6/14/2016	ND<1	191
	12/8/2016	ND<1	191
	6/15/2017	ND<1	191
	12/12/2017	ND<1	191
	6/19/2018	ND<1	191
	12/17/2018	ND<1	191
	6/10/2019	ND<1	191
	12/12/2019	ND<1	191
	6/24/2020	ND<1	191
	12/15/2020	ND<1	191
	6/15/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

GWC-11	12/7/2015	ND<1	191
	6/14/2016	ND<1	191
	12/7/2016	ND<1	191
	6/14/2017	ND<1	191
	12/13/2017	ND<1	191
	6/19/2018	ND<1	191
	12/19/2018	ND<1	191
	6/12/2019	ND<1	191
	12/12/2019	ND<1	191
	6/24/2020	ND<1	191
	12/15/2020	ND<1	191
	6/15/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

GWC-12	12/7/2015	ND<1	191
	6/14/2016	ND<1	191
	12/7/2016	ND<1	191
	6/14/2017	ND<1	191
	12/13/2017	ND<1	191
	6/19/2018	ND<1	191
	12/19/2018	ND<1	191
	6/11/2019	ND<1	191
	12/9/2019	ND<1	191
	6/24/2020	ND<1	191
	12/15/2020	ND<1	191
	6/15/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

Chloroethane

GWC-12A	12/7/2015	ND<1	191
	6/14/2016	ND<1	191
	12/7/2016	ND<1	191
	6/14/2017	ND<1	191
	12/13/2017	ND<1	191
	6/19/2018	ND<1	191
	12/19/2018	ND<1	191
	6/11/2019	ND<1	191
	12/9/2019	ND<1	191
	6/24/2020	ND<1	191
	12/15/2020	ND<1	191
	6/15/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

GWC-13	12/7/2015	ND<1	191
	6/15/2016	ND<1	191
	12/7/2016	ND<1	191
	6/14/2017	ND<1	191
	12/12/2017	ND<1	191
	6/19/2018	ND<1	191
	12/19/2018	ND<1	191
	6/12/2019	ND<1	191
	12/11/2019	ND<1	191
	6/23/2020	ND<1	191
	12/15/2020	ND<1	191
	6/15/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

GWC-5	12/7/2015	ND<1	191
	6/14/2016	ND<1	191
	12/8/2016	ND<1	191
	6/12/2017	ND<1	191
	12/12/2017	ND<1	191
	6/21/2018	ND<1	191
	12/18/2018	ND<1	191
	6/12/2019	ND<1	191
	12/10/2019	ND<1	191
	6/23/2020	ND<1	191
	12/17/2020	ND<1	191
	6/15/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

GWC-7	12/7/2015	ND<1	191
	6/15/2016	ND<1	191
	12/8/2016	ND<1	191
	6/12/2017	ND<1	191
	12/12/2017	ND<1	191
	6/19/2018	ND<1	191
	12/18/2018	ND<1	191
	6/12/2019	ND<1	191
	12/11/2019	ND<1	191
	6/24/2020	ND<1	191
	12/17/2020	ND<1	191
	6/15/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

GWA-1A	12/8/2015	ND<1	191
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Chloroethane

	6/14/2016	ND<1	191
	12/7/2016	ND<1	191
	6/12/2017	ND<1	191
	12/13/2017	ND<1	191
	6/19/2018	ND<1	191
	12/18/2018	ND<1	191
	6/10/2019	ND<1	191
	12/9/2019	ND<1	191
	6/23/2020	ND<1	191
	12/17/2020	ND<1	191
	6/17/2021	ND<1	191
Rank Sum = 2292			
Rank Mean = 191			
<hr/>			
GWC-17	12/8/2015	ND<1	191
	6/13/2016	ND<1	191
	6/14/2017	ND<1	191
	12/12/2017	ND<1	191
	6/19/2018	ND<1	191
	12/19/2018	ND<1	191
	6/12/2019	ND<1	191
	12/10/2019	ND<1	191
	6/23/2020	ND<1	191
	12/15/2020	ND<1	191
	6/14/2021	ND<1	191
Rank Sum = 2101			
Rank Mean = 191			
<hr/>			
GWC-23	12/8/2015	ND<1	191
	6/15/2016	ND<1	191
	12/6/2016	ND<1	191
	6/14/2017	ND<1	191
	12/11/2017	ND<1	191
	6/18/2018	ND<1	191
	12/18/2018	ND<1	191
	6/12/2019	ND<1	191
	12/11/2019	ND<1	191
	6/24/2020	ND<1	191
	12/16/2020	ND<1	191
	6/14/2021	ND<1	191
Rank Sum = 2292			
Rank Mean = 191			
<hr/>			
GWC-23A	12/8/2015	ND<1	191
	6/15/2016	ND<1	191
	12/6/2016	ND<1	191
	6/14/2017	ND<1	191
	12/11/2017	ND<1	191
	6/18/2018	ND<1	191
	12/18/2018	ND<1	191
	6/12/2019	ND<1	191
	12/11/2019	ND<1	191
	6/24/2020	ND<1	191
	12/16/2020	ND<1	191
	6/14/2021	ND<1	191
Rank Sum = 2292			
Rank Mean = 191			
<hr/>			
GWC-24	12/8/2015	ND<1	191
	6/13/2016	ND<1	191
	12/7/2016	ND<1	191

Chloroethane

	6/14/2017	ND<1	191
	12/13/2017	ND<1	191
	6/19/2018	ND<1	191
	12/19/2018	ND<1	191
	6/11/2019	ND<1	191
	12/9/2019	ND<1	191
	6/24/2020	ND<1	191
	12/15/2020	ND<1	191
	6/14/2021	ND<1	191
Rank Sum = 2292			
Rank Mean = 191			
<hr/>			
GWC-6	12/8/2015	ND<1	191
	6/14/2016	ND<1	191
	12/8/2016	ND<1	191
	6/12/2017	ND<1	191
	12/13/2017	ND<1	191
	6/21/2018	ND<1	191
	12/19/2018	ND<1	191
	6/12/2019	ND<1	191
	12/10/2019	ND<1	191
	6/24/2020	ND<1	191
	12/17/2020	ND<1	191
	6/15/2021	ND<1	191
Rank Sum = 2292			
Rank Mean = 191			
<hr/>			
GWC-9	12/8/2015	ND<1	191
	6/14/2016	ND<1	191
	12/8/2016	ND<1	191
	6/15/2017	ND<1	191
	12/13/2017	ND<1	191
	6/20/2018	ND<1	191
	12/18/2018	ND<1	191
	6/12/2019	ND<1	191
	12/12/2019	ND<1	191
	6/24/2020	ND<1	191
	12/17/2020	ND<1	191
	6/15/2021	ND<1	191
Rank Sum = 2292			
Rank Mean = 191			
<hr/>			
GWC-14	12/9/2015	ND<1	191
	6/15/2016	ND<1	191
	6/13/2017	ND<1	191
	6/20/2018	ND<1	191
	6/11/2019	ND<1	191
	12/10/2019	ND<1	191
	6/24/2020	ND<1	191
	12/17/2020	ND<1	191
	6/15/2021	ND<1	191
Rank Sum = 1719			
Rank Mean = 191			
<hr/>			
GWC-14A	12/9/2015	6.7	394
	6/15/2016	12	397
	12/8/2016	6.4	393
	6/13/2017	5.8	391
	12/12/2017	7.7	395
	6/20/2018	8.5	396
	12/19/2018	5.4	390

Chloroethane

6/11/2019	4.4	389
12/10/2019	3.6	387
6/24/2020	3.3	385
12/15/2020	4.2	388
6/15/2021	3	384

Rank Sum = 4689
Rank Mean = 390.75

GWC-15	12/9/2015	ND<1	191
	6/15/2016	ND<1	191
	12/8/2016	2.8	383
	6/14/2017	ND<1	191
	12/13/2017	ND<1	191
	6/19/2018	ND<1	191
	12/19/2018	ND<1	191
	6/11/2019	ND<1	191
	12/10/2019	ND<1	191
	6/25/2020	ND<1	191
	12/17/2020	ND<1	191
	6/16/2021	ND<1	191

Rank Sum = 2484
Rank Mean = 207

GWC-16A	12/9/2015	6.3	392
	6/16/2016	ND<1	191
	12/7/2016	ND<1	191
	6/14/2017	3.3	386
	12/13/2017	ND<1	191
	6/21/2018	ND<1	191
	12/19/2018	ND<1	191
	6/13/2019	ND<1	191
	12/11/2019	ND<1	191
	6/23/2020	ND<1	191
	12/17/2020	ND<1	191
	6/16/2021	ND<1	191

Rank Sum = 2688
Rank Mean = 224

GWC-18	12/9/2015	ND<1	191
	6/13/2016	ND<1	191
	12/6/2016	ND<1	191
	6/14/2017	ND<1	191
	12/13/2017	ND<1	191
	6/19/2018	ND<1	191
	12/18/2018	ND<1	191
	6/11/2019	ND<1	191
	12/9/2019	ND<1	191
	6/23/2020	ND<1	191
	12/15/2020	ND<1	191
	6/14/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

GWC-19R	12/9/2015	ND<1	191
	6/15/2016	ND<1	191
	12/6/2016	ND<1	191
	6/14/2017	ND<1	191
	12/13/2017	ND<1	191
	6/19/2018	ND<1	191
	12/18/2018	ND<1	191
	6/11/2019	ND<1	191

Chloroethane

12/9/2019	ND<1	191
6/23/2020	ND<1	191
12/15/2020	ND<1	191
6/14/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

GWC-2	12/9/2015	ND<1	191
	6/14/2016	ND<1	191
	12/8/2016	ND<1	191
	6/15/2017	ND<1	191
	12/13/2017	ND<1	191
	6/20/2018	ND<1	191
	12/19/2018	ND<1	191
	6/12/2019	ND<1	191
	12/10/2019	ND<1	191
	6/22/2020	ND<1	191
	12/16/2020	ND<1	191
	6/15/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

GWC-22	12/9/2015	ND<1	191
	6/15/2016	ND<1	191
	12/6/2016	ND<1	191
	6/14/2017	ND<1	191
	12/11/2017	ND<1	191
	6/19/2018	ND<1	191
	12/18/2018	ND<1	191
	6/12/2019	ND<1	191
	12/11/2019	ND<1	191
	6/23/2020	ND<1	191
	12/17/2020	ND<1	191
	6/14/2021	ND<1	191

Rank Sum = 2292
Rank Mean = 191

GWC-3	12/9/2015	ND<1	191
	6/14/2016	ND<1	191
	12/8/2016	ND<1	191
	6/15/2017	ND<1	191
	6/21/2018	ND<1	191
	12/17/2018	ND<1	191
	6/11/2019	ND<1	191
	12/10/2019	ND<1	191
	6/24/2020	ND<1	191
	12/16/2020	ND<1	191
	6/15/2021	ND<1	191

Rank Sum = 2101
Rank Mean = 191

GWC-3A	12/9/2015	ND<1	191
	6/14/2016	ND<1	191
	12/8/2016	ND<1	191
	6/15/2017	ND<1	191
	12/12/2017	ND<1	191
	6/20/2018	ND<1	191
	12/17/2018	ND<1	191
	6/11/2019	ND<1	191
	12/10/2019	ND<1	191
	6/24/2020	ND<1	191

Chloroethane

	12/16/2020	ND<1	191
	6/14/2021	ND<1	191
Rank Sum = 2292			
Rank Mean = 191			
<hr/>			
GWC-4	12/9/2015	ND<1	191
	6/16/2016	ND<1	191
	12/7/2016	ND<1	191
	6/20/2018	ND<1	191
	6/23/2020	ND<1	191
	12/17/2020	ND<1	191
	6/16/2021	ND<1	191
Rank Sum = 1337			
Rank Mean = 191			
<hr/>			
GWC-4A	12/9/2015	ND<1	191
	6/16/2016	ND<1	191
	12/7/2016	ND<1	191
	6/13/2017	ND<1	191
	12/12/2017	ND<1	191
	6/20/2018	ND<1	191
	12/17/2018	ND<1	191
	6/11/2019	ND<1	191
	12/11/2019	ND<1	191
	6/23/2020	ND<1	191
	12/17/2020	ND<1	191
	6/17/2021	ND<1	191
Rank Sum = 2292			
Rank Mean = 191			
<hr/>			
GWC-14R	12/10/2015	ND<1	191
	6/15/2016	ND<1	191
	12/8/2016	ND<1	191
	6/13/2017	ND<1	191
	12/12/2017	ND<1	191
	6/20/2018	ND<1	191
	12/19/2018	ND<1	191
	6/12/2019	ND<1	191
	12/10/2019	ND<1	191
	6/23/2020	ND<1	191
	12/17/2020	ND<1	191
	6/16/2021	ND<1	191
Rank Sum = 2292			
Rank Mean = 191			
<hr/>			
GWC-8	12/10/2015	ND<1	191
	6/15/2016	ND<1	191
	12/8/2016	ND<1	191
	12/12/2017	ND<1	191
	6/20/2018	ND<1	191
	12/19/2018	ND<1	191
	6/12/2019	ND<1	191
	12/11/2019	ND<1	191
	6/23/2020	ND<1	191
	12/16/2020	ND<1	191
	6/16/2021	ND<1	191
Rank Sum = 2101			
Rank Mean = 191			
<hr/>			
GWC-8A	12/10/2015	ND<1	191
	6/15/2016	ND<1	191

Chloroethane

	12/8/2016	ND<1	191
	6/13/2017	ND<1	191
	12/12/2017	ND<1	191
	6/20/2018	ND<1	191
	12/19/2018	ND<1	191
	6/12/2019	ND<1	191
	12/11/2019	ND<1	191
	6/23/2020	ND<1	191
	12/15/2020	ND<1	191
	6/16/2021	ND<1	191
Rank Sum = 2292			
Rank Mean = 191			
<hr/>			
GWC-8R	12/10/2015	ND<1	191
	6/15/2016	ND<1	191
	12/8/2016	2.2	382
	6/13/2017	ND<1	191
	12/12/2017	ND<1	191
	6/20/2018	ND<1	191
	12/19/2018	ND<1	191
	6/12/2019	ND<1	191
	12/11/2019	ND<1	191
	6/23/2020	ND<1	191
	12/15/2020	ND<1	191
	6/16/2021	ND<1	191
Rank Sum = 2483			
Rank Mean = 206.917			
<hr/>			
Calculation Results:			
Kruskal-Wallis H Statistic = 35.8902			
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 309.132			
95% Confidence comparison value is 46.1942 at 32 degrees of freedom			
35.8902 < 46.1942 indicating no significant group difference at 5% significance level			
309.132 > 46.1942 indicating a significant group difference at 5% significance level when adjusted for ties			
<hr/>			
Individual Well Comparisons at 1% Significance Level per Comparison			
1% Z score is 2.32634			
Mean background rank is 191			
Well	Mean Rank	Dif from Bkg	Critical Value
GWA-3	191	0	94.3789
GWC-10	191	0	94.3789
GWC-10A	191	0	94.3789
GWC-11	191	0	94.3789
GWC-12	191	0	94.3789
GWC-12A	191	0	94.3789
GWC-13	191	0	94.3789
GWC-5	191	0	94.3789
GWC-7	191	0	94.3789
GWA-1A	191	0	94.3789
GWC-17	191	0	97.1968
GWC-23	191	0	94.3789
GWC-23A	191	0	94.3789
GWC-24	191	0	94.3789
GWC-6	191	0	94.3789
GWC-9	191	0	94.3789
GWC-14	191	0	104.34
GWC-14A	390.75	199.75	94.3789
GWC-15	207	16	94.3789
GWC-16A	224	33	94.3789

Chloroethane

GWC-18	191	0	94.3789
GWC-19R	191	0	94.3789
GWC-2	191	0	94.3789
GWC-22	191	0	94.3789
GWC-3	191	0	97.1968
GWC-3A	191	0	94.3789
GWC-4	191	0	114.669
GWC-4A	191	0	94.3789
GWC-14R	191	0	94.3789
GWC-8	191	0	97.1968
GWC-8A	191	0	94.3789
GWC-8R	206.917	15.9167	94.3789

**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 191

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-3	191	0	125.37
GWC-10	191	0	125.37
GWC-10A	191	0	125.37
GWC-11	191	0	125.37
GWC-12	191	0	125.37
GWC-12A	191	0	125.37
GWC-13	191	0	125.37
GWC-5	191	0	125.37
GWC-7	191	0	125.37
GWA-1A	191	0	125.37
GWC-17	191	0	129.113
GWC-23	191	0	125.37
GWC-23A	191	0	125.37
GWC-24	191	0	125.37
GWC-6	191	0	125.37
GWC-9	191	0	125.37
GWC-14	191	0	138.602
GWC-14A	390.75	199.75	125.37
GWC-15	207	16	125.37
GWC-16A	224	33	125.37
GWC-18	191	0	125.37
GWC-19R	191	0	125.37
GWC-2	191	0	125.37
GWC-22	191	0	125.37
GWC-3	191	0	129.113
GWC-3A	191	0	125.37
GWC-4	191	0	152.323
GWC-4A	191	0	125.37
GWC-14R	191	0	125.37
GWC-8	191	0	129.113
GWC-8A	191	0	125.37
GWC-8R	206.917	15.9167	125.37

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
GWA-2	12/7/2015	ND<1	141
	6/13/2016	ND<1	141
	12/8/2016	ND<1	141
	6/15/2017	ND<1	141
	12/11/2017	ND<1	141
	6/19/2018	ND<1	141
	12/17/2018	ND<1	141
	6/11/2019	ND<1	141
	12/11/2019	ND<1	141
	6/22/2020	ND<1	141
	12/17/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWA-1	12/8/2015	ND<1	141
	6/14/2016	ND<1	141
	12/7/2016	ND<1	141
	6/13/2017	ND<1	141
	12/11/2017	ND<1	141
	6/19/2018	ND<1	141
	12/17/2018	ND<1	141
	6/10/2019	ND<1	141
	12/9/2019	ND<1	141
	6/23/2020	ND<1	141
	12/17/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

Background Rank Sum = 3384
Background Rank Mean = 141

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-3	12/7/2015	ND<1	141
	6/13/2016	ND<1	141
	12/8/2016	ND<1	141
	6/14/2017	ND<1	141
	12/11/2017	ND<1	141
	6/18/2018	ND<1	141
	12/17/2018	ND<1	141
	6/11/2019	ND<1	141
	12/10/2019	ND<1	141
	6/22/2020	ND<1	141
	12/16/2020	ND<1	141
	6/14/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

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GWC-10	12/7/2015	ND<1	141
	6/14/2016	ND<1	141
	12/8/2016	ND<1	141
	6/15/2017	ND<1	141
	12/12/2017	ND<1	141
	6/19/2018	ND<1	141
	12/17/2018	ND<1	141
	6/10/2019	ND<1	141
	12/12/2019	ND<1	141
	6/24/2020	ND<1	141
	12/15/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-10A	12/7/2015	ND<1	141
	6/14/2016	ND<1	141
	12/8/2016	ND<1	141
	6/15/2017	ND<1	141
	12/12/2017	ND<1	141
	6/19/2018	ND<1	141
	12/17/2018	ND<1	141
	6/10/2019	ND<1	141
	12/12/2019	ND<1	141
	6/24/2020	ND<1	141
	12/15/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-11	12/7/2015	ND<1	141
	6/14/2016	ND<1	141
	12/7/2016	ND<1	141
	6/14/2017	ND<1	141
	12/13/2017	ND<1	141
	6/19/2018	ND<1	141
	12/19/2018	ND<1	141
	6/12/2019	ND<1	141
	12/12/2019	ND<1	141
	6/24/2020	ND<1	141
	12/15/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-12	12/7/2015	ND<1	141
	6/14/2016	ND<1	141
	12/7/2016	ND<1	141
	6/14/2017	ND<1	141
	12/13/2017	ND<1	141
	6/19/2018	ND<1	141
	12/19/2018	ND<1	141
	6/11/2019	ND<1	141
	12/9/2019	ND<1	141
	6/24/2020	ND<1	141
	12/15/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

cis-1,2-Dichloroethene

GWC-12A	12/7/2015	ND<1	141
	6/14/2016	ND<1	141
	12/7/2016	ND<1	141
	6/14/2017	ND<1	141
	12/13/2017	ND<1	141
	6/19/2018	ND<1	141
	12/19/2018	ND<1	141
	6/11/2019	ND<1	141
	12/9/2019	ND<1	141
	6/24/2020	ND<1	141
	12/15/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-13	12/7/2015	ND<1	141
	6/15/2016	ND<1	141
	12/7/2016	ND<1	141
	6/14/2017	ND<1	141
	12/12/2017	ND<1	141
	6/19/2018	ND<1	141
	12/19/2018	ND<1	141
	6/12/2019	ND<1	141
	12/11/2019	ND<1	141
	6/23/2020	ND<1	141
	12/15/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-5	12/7/2015	ND<1	141
	6/14/2016	ND<1	141
	12/8/2016	ND<1	141
	6/12/2017	ND<1	141
	12/12/2017	ND<1	141
	6/21/2018	ND<1	141
	12/18/2018	ND<1	141
	6/12/2019	ND<1	141
	12/10/2019	ND<1	141
	6/23/2020	ND<1	141
	12/17/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-7	12/7/2015	ND<1	141
	6/15/2016	ND<1	141
	12/8/2016	ND<1	141
	6/12/2017	ND<1	141
	12/12/2017	ND<1	141
	6/19/2018	ND<1	141
	12/18/2018	ND<1	141
	6/12/2019	ND<1	141
	12/11/2019	ND<1	141
	6/24/2020	ND<1	141
	12/17/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWA-1A	12/8/2015	ND<1	141
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cis-1,2-Dichloroethene

6/14/2016	ND<1	141
12/7/2016	ND<1	141
6/12/2017	ND<1	141
12/13/2017	ND<1	141
6/19/2018	ND<1	141
12/18/2018	ND<1	141
6/10/2019	ND<1	141
12/9/2019	ND<1	141
6/23/2020	ND<1	141
12/17/2020	ND<1	141
6/17/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-17	12/8/2015	45	381
	6/13/2016	41	379
	6/14/2017	8.4	320
	12/12/2017	17	335
	6/19/2018	4.7	306
	12/19/2018	8.7	321
	6/12/2019	ND<1	141
	12/10/2019	15	332
	6/23/2020	ND<1	141
	12/15/2020	22	349
	6/14/2021	2.2	285

Rank Sum = 3290
Rank Mean = 299.091

GWC-23	12/8/2015	ND<1	141
	6/15/2016	ND<1	141
	12/6/2016	ND<1	141
	6/14/2017	ND<1	141
	12/11/2017	ND<1	141
	6/18/2018	ND<1	141
	12/18/2018	ND<1	141
	6/12/2019	ND<1	141
	12/11/2019	ND<1	141
	6/24/2020	ND<1	141
	12/16/2020	ND<1	141
	6/14/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-23A	12/8/2015	ND<1	141
	6/15/2016	ND<1	141
	12/6/2016	ND<1	141
	6/14/2017	ND<1	141
	12/11/2017	ND<1	141
	6/18/2018	ND<1	141
	12/18/2018	ND<1	141
	6/12/2019	ND<1	141
	12/11/2019	ND<1	141
	6/24/2020	ND<1	141
	12/16/2020	ND<1	141
	6/14/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-24	12/8/2015	2.4	289
	6/13/2016	5.2	310
	12/7/2016	5.4	312

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6/14/2017	ND<1	141
12/13/2017	ND<1	141
6/19/2018	2.2	286
12/19/2018	3.7	303
6/11/2019	4.4	305
12/9/2019	6.1	313
6/24/2020	3	297
12/15/2020	3.5	300
6/14/2021	ND<1	141

Rank Sum = 3138
Rank Mean = 261.5

GWC-6	12/8/2015	ND<1	141
	6/14/2016	ND<1	141
	12/8/2016	ND<1	141
	6/12/2017	ND<1	141
	12/13/2017	ND<1	141
	6/21/2018	ND<1	141
	12/19/2018	ND<1	141
	6/12/2019	ND<1	141
	12/10/2019	ND<1	141
	6/24/2020	ND<1	141
	12/17/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-9	12/8/2015	ND<1	141
	6/14/2016	ND<1	141
	12/8/2016	ND<1	141
	6/15/2017	ND<1	141
	12/13/2017	ND<1	141
	6/20/2018	ND<1	141
	12/18/2018	ND<1	141
	6/12/2019	ND<1	141
	12/12/2019	ND<1	141
	6/24/2020	ND<1	141
	12/17/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-14	12/9/2015	ND<1	141
	6/15/2016	ND<1	141
	6/13/2017	ND<1	141
	6/20/2018	ND<1	141
	6/11/2019	ND<1	141
	12/10/2019	ND<1	141
	6/24/2020	ND<1	141
	12/17/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1269
Rank Mean = 141

GWC-14A	12/9/2015	38	377
	6/15/2016	42	380
	12/8/2016	33	374
	6/13/2017	64	388
	12/12/2017	62	386
	6/20/2018	71	391
	12/19/2018	53	384

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6/11/2019	46	382
12/10/2019	65	389
6/24/2020	62	387
12/15/2020	69	390
6/15/2021	59	385

Rank Sum = 4613
Rank Mean = 384.417

GWC-15	12/9/2015	17	336
	6/15/2016	ND<1	141
	12/8/2016	110	394
	6/14/2017	10	323
	12/13/2017	11	325
	6/19/2018	2	282
	12/19/2018	2.9	294
	6/11/2019	97	393
	12/10/2019	51	383
	6/25/2020	110	395
	12/17/2020	110	396
	6/16/2021	130	397

Rank Sum = 4059
Rank Mean = 338.25

GWC-16A	12/9/2015	82	392
	6/16/2016	3.4	299
	12/7/2016	3.5	301
	6/14/2017	39	378
	12/13/2017	2.9	295
	6/21/2018	ND<1	141
	12/19/2018	2.5	291
	6/13/2019	ND<1	141
	12/11/2019	2.1	283
	6/23/2020	2.2	287
	12/17/2020	2.3	288
	6/16/2021	2.1	284

Rank Sum = 3380
Rank Mean = 281.667

GWC-18	12/9/2015	14	329
	6/13/2016	3.6	302
	12/6/2016	16	333
	6/14/2017	16	334
	12/13/2017	14	330
	6/19/2018	7.7	317
	12/18/2018	12	327
	6/11/2019	14	331
	12/9/2019	30	367
	6/23/2020	10	324
	12/15/2020	26	359
	6/14/2021	6.2	314

Rank Sum = 3967
Rank Mean = 330.583

GWC-19R	12/9/2015	4.7	307
	6/15/2016	9.3	322
	12/6/2016	13	328
	6/14/2017	2.4	290
	12/13/2017	4.7	308
	6/19/2018	5.1	309
	12/18/2018	2.9	296
	6/11/2019	7.7	318

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12/9/2019	11	326
6/23/2020	7.2	315
12/15/2020	7.9	319
6/14/2021	5.3	311

Rank Sum = 3749
Rank Mean = 312.417

GWC-2	12/9/2015	ND<1	141
	6/14/2016	ND<1	141
	12/8/2016	ND<1	141
	6/15/2017	ND<1	141
	12/13/2017	ND<1	141
	6/20/2018	ND<1	141
	12/19/2018	ND<1	141
	6/12/2019	ND<1	141
	12/10/2019	ND<1	141
	6/22/2020	ND<1	141
	12/16/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-22	12/9/2015	ND<1	141
	6/15/2016	ND<1	141
	12/6/2016	ND<1	141
	6/14/2017	ND<1	141
	12/11/2017	ND<1	141
	6/19/2018	ND<1	141
	12/18/2018	ND<1	141
	6/12/2019	ND<1	141
	12/11/2019	ND<1	141
	6/23/2020	ND<1	141
	12/17/2020	ND<1	141
	6/14/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-3	12/9/2015	ND<1	141
	6/14/2016	ND<1	141
	12/8/2016	ND<1	141
	6/15/2017	ND<1	141
	6/21/2018	ND<1	141
	12/17/2018	ND<1	141
	6/11/2019	ND<1	141
	12/10/2019	ND<1	141
	6/24/2020	ND<1	141
	12/16/2020	ND<1	141
	6/15/2021	ND<1	141

Rank Sum = 1551
Rank Mean = 141

GWC-3A	12/9/2015	ND<1	141
	6/14/2016	ND<1	141
	12/8/2016	ND<1	141
	6/15/2017	ND<1	141
	12/12/2017	ND<1	141
	6/20/2018	ND<1	141
	12/17/2018	ND<1	141
	6/11/2019	ND<1	141
	12/10/2019	ND<1	141
	6/24/2020	ND<1	141

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	12/16/2020	ND<1	141
	6/14/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-4	12/9/2015	ND<1	141
	6/16/2016	ND<1	141
	12/7/2016	ND<1	141
	6/20/2018	ND<1	141
	6/23/2020	ND<1	141
	12/17/2020	ND<1	141
	6/16/2021	ND<1	141

Rank Sum = 987
Rank Mean = 141

GWC-4A	12/9/2015	ND<1	141
	6/16/2016	ND<1	141
	12/7/2016	ND<1	141
	6/13/2017	ND<1	141
	12/12/2017	ND<1	141
	6/20/2018	ND<1	141
	12/17/2018	ND<1	141
	6/11/2019	ND<1	141
	12/11/2019	ND<1	141
	6/23/2020	ND<1	141
	12/17/2020	ND<1	141
	6/17/2021	ND<1	141

Rank Sum = 1692
Rank Mean = 141

GWC-14R	12/10/2015	20	343
	6/15/2016	25	357
	12/8/2016	19	340
	6/13/2017	26	360
	12/12/2017	20	344
	6/20/2018	24	353
	12/19/2018	17	337
	6/12/2019	21	345
	12/10/2019	19	341
	6/23/2020	26	361
	12/17/2020	28	365
	6/16/2021	26	362

Rank Sum = 4208
Rank Mean = 350.667

GWC-8	12/10/2015	ND<1	141
	6/15/2016	ND<1	141
	12/8/2016	3.1	298
	12/12/2017	7.6	316
	6/20/2018	2.6	292
	12/19/2018	4.3	304
	6/12/2019	ND<1	141
	12/11/2019	2.8	293
	6/23/2020	ND<1	141
	12/16/2020	ND<1	141
	6/16/2021	ND<1	141

Rank Sum = 2349
Rank Mean = 213.545

GWC-8A	12/10/2015	29	366
	6/15/2016	25	358

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	12/8/2016	32	371
	6/13/2017	27	363
	12/12/2017	37	376
	6/20/2018	32	372
	12/19/2018	31	369
	6/12/2019	22	350
	12/11/2019	33	375
	6/23/2020	23	351
	12/15/2020	31	370
	6/16/2021	24	354

Rank Sum = 4375
Rank Mean = 364.583

GWC-8R	12/10/2015	19	342
	6/15/2016	21	346
	12/8/2016	17	338
	6/13/2017	23	352
	12/12/2017	21	347
	6/20/2018	24	355
	12/19/2018	18	339
	6/12/2019	21	348
	12/11/2019	24	356
	6/23/2020	27	364
	12/15/2020	30	368
	6/16/2021	32	373

Rank Sum = 4228
Rank Mean = 352.333

Calculation Results:

Kruskal-Wallis H Statistic = 230.433

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 357.041

95% Confidence comparison value is 46.1942 at 32 degrees of freedom

230.433 > 46.1942 indicating a significant group difference at 5% significance level

357.041 > 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 141

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-3	141	0	94.3789
GWC-10	141	0	94.3789
GWC-10A	141	0	94.3789
GWC-11	141	0	94.3789
GWC-12	141	0	94.3789
GWC-12A	141	0	94.3789
GWC-13	141	0	94.3789
GWC-5	141	0	94.3789
GWC-7	141	0	94.3789
GWA-1A	141	0	94.3789
GWC-17	299.091	158.091	97.1968
GWC-23	141	0	94.3789
GWC-23A	141	0	94.3789
GWC-24	261.5	120.5	94.3789
GWC-6	141	0	94.3789
GWC-9	141	0	94.3789
GWC-14	141	0	104.34
GWC-14A	384.417	243.417	94.3789
GWC-15	338.25	197.25	94.3789
GWC-16A	281.667	140.667	94.3789

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GWC-18	330.583	189.583	94.3789
GWC-19R	312.417	171.417	94.3789
GWC-2	141	0	94.3789
GWC-22	141	0	94.3789
GWC-3	141	0	97.1968
GWC-3A	141	0	94.3789
GWC-4	141	0	114.669
GWC-4A	141	0	94.3789
GWC-14R	350.667	209.667	94.3789
GWC-8	213.545	72.5455	97.1968
GWC-8A	364.583	223.583	94.3789
GWC-8R	352.333	211.333	94.3789

**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 141

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-3	141	0	125.37
GWC-10	141	0	125.37
GWC-10A	141	0	125.37
GWC-11	141	0	125.37
GWC-12	141	0	125.37
GWC-12A	141	0	125.37
GWC-13	141	0	125.37
GWC-5	141	0	125.37
GWC-7	141	0	125.37
GWA-1A	141	0	125.37
GWC-17	299.091	158.091	129.113
GWC-23	141	0	125.37
GWC-23A	141	0	125.37
GWC-24	261.5	120.5	125.37
GWC-6	141	0	125.37
GWC-9	141	0	125.37
GWC-14	141	0	138.602
GWC-14A	384.417	243.417	125.37
GWC-15	338.25	197.25	125.37
GWC-16A	281.667	140.667	125.37
GWC-18	330.583	189.583	125.37
GWC-19R	312.417	171.417	125.37
GWC-2	141	0	125.37
GWC-22	141	0	125.37
GWC-3	141	0	129.113
GWC-3A	141	0	125.37
GWC-4	141	0	152.323
GWC-4A	141	0	125.37
GWC-14R	350.667	209.667	125.37
GWC-8	213.545	72.5455	129.113
GWC-8A	364.583	223.583	125.37
GWC-8R	352.333	211.333	125.37

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-2	12/7/2015	ND<1	182
	6/13/2016	ND<1	182
	12/8/2016	ND<1	182
	6/15/2017	ND<1	182
	12/11/2017	ND<1	182
	6/19/2018	ND<1	182
	12/17/2018	ND<1	182
	6/11/2019	ND<1	182
	12/11/2019	ND<1	182
	6/22/2020	ND<1	182
	12/17/2020	ND<1	182
	6/15/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWA-1	12/8/2015	ND<1	182
	6/14/2016	ND<1	182
	12/7/2016	ND<1	182
	6/13/2017	ND<1	182
	12/11/2017	ND<1	182
	6/19/2018	ND<1	182
	12/17/2018	ND<1	182
	6/10/2019	ND<1	182
	12/9/2019	ND<1	182
	6/23/2020	ND<1	182
	12/17/2020	ND<1	182
	6/15/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

Background Rank Sum = 4368
Background Rank Mean = 182

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-3	12/7/2015	ND<1	182
	6/13/2016	ND<1	182
	12/8/2016	ND<1	182
	6/14/2017	ND<1	182
	12/11/2017	ND<1	182
	6/18/2018	ND<1	182
	12/17/2018	ND<1	182
	6/11/2019	ND<1	182
	12/10/2019	ND<1	182
	6/22/2020	ND<1	182
	12/16/2020	ND<1	182
	6/14/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

Tetrachloroethene

GWC-10	12/7/2015	ND<1	182
	6/14/2016	ND<1	182
	12/8/2016	ND<1	182
	6/15/2017	ND<1	182
	12/12/2017	ND<1	182
	6/19/2018	ND<1	182
	12/17/2018	ND<1	182
	6/10/2019	ND<1	182
	12/12/2019	ND<1	182
	6/24/2020	ND<1	182
	12/15/2020	ND<1	182
	6/15/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWC-10A	12/7/2015	ND<1	182
	6/14/2016	ND<1	182
	12/8/2016	ND<1	182
	6/15/2017	ND<1	182
	12/12/2017	ND<1	182
	6/19/2018	ND<1	182
	12/17/2018	ND<1	182
	6/10/2019	ND<1	182
	12/12/2019	ND<1	182
	6/24/2020	ND<1	182
	12/15/2020	ND<1	182
	6/15/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWC-11	12/7/2015	ND<1	182
	6/14/2016	ND<1	182
	12/7/2016	ND<1	182
	6/14/2017	ND<1	182
	12/13/2017	ND<1	182
	6/19/2018	ND<1	182
	12/19/2018	ND<1	182
	6/12/2019	ND<1	182
	12/12/2019	ND<1	182
	6/24/2020	ND<1	182
	12/15/2020	ND<1	182
	6/15/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWC-12	12/7/2015	ND<1	182
	6/14/2016	ND<1	182
	12/7/2016	ND<1	182
	6/14/2017	ND<1	182
	12/13/2017	ND<1	182
	6/19/2018	ND<1	182
	12/19/2018	ND<1	182
	6/11/2019	ND<1	182
	12/9/2019	ND<1	182
	6/24/2020	ND<1	182
	12/15/2020	ND<1	182
	6/15/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

Tetrachloroethene

GWC-12A	12/7/2015	ND<1	182
	6/14/2016	ND<1	182
	12/7/2016	ND<1	182
	6/14/2017	ND<1	182
	12/13/2017	ND<1	182
	6/19/2018	ND<1	182
	12/19/2018	ND<1	182
	6/11/2019	ND<1	182
	12/9/2019	ND<1	182
	6/24/2020	ND<1	182
	12/15/2020	ND<1	182
	6/15/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWC-13	12/7/2015	ND<1	182
	6/15/2016	ND<1	182
	12/7/2016	ND<1	182
	6/14/2017	ND<1	182
	12/12/2017	ND<1	182
	6/19/2018	ND<1	182
	12/19/2018	ND<1	182
	6/12/2019	ND<1	182
	12/11/2019	ND<1	182
	6/23/2020	ND<1	182
	12/15/2020	ND<1	182
	6/15/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWC-5	12/7/2015	ND<1	182
	6/14/2016	ND<1	182
	12/8/2016	ND<1	182
	6/12/2017	ND<1	182
	12/12/2017	ND<1	182
	6/21/2018	ND<1	182
	12/18/2018	ND<1	182
	6/12/2019	ND<1	182
	12/10/2019	ND<1	182
	6/23/2020	ND<1	182
	12/17/2020	ND<1	182
	6/15/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWC-7	12/7/2015	ND<1	182
	6/15/2016	ND<1	182
	12/8/2016	ND<1	182
	6/12/2017	ND<1	182
	12/12/2017	ND<1	182
	6/19/2018	ND<1	182
	12/18/2018	ND<1	182
	6/12/2019	ND<1	182
	12/11/2019	ND<1	182
	6/24/2020	ND<1	182
	12/17/2020	ND<1	182
	6/15/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWA-1A	12/8/2015	ND<1	182
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Tetrachloroethene

6/14/2016	ND<1	182	
12/7/2016	ND<1	182	
6/12/2017	ND<1	182	
12/13/2017	ND<1	182	
6/19/2018	ND<1	182	
12/18/2018	ND<1	182	
6/10/2019	ND<1	182	
12/9/2019	ND<1	182	
6/23/2020	ND<1	182	
12/17/2020	ND<1	182	
6/17/2021	ND<1	182	
Rank Sum = 2184			
Rank Mean = 182			
<hr/>			
GWC-17	12/8/2015	ND<1	182
	6/13/2016	ND<1	182
	6/14/2017	ND<1	182
	12/12/2017	ND<1	182
	6/19/2018	ND<1	182
	12/19/2018	ND<1	182
	6/12/2019	ND<1	182
	12/10/2019	ND<1	182
	6/23/2020	ND<1	182
	12/15/2020	ND<1	182
	6/14/2021	ND<1	182
Rank Sum = 2002			
Rank Mean = 182			
<hr/>			
GWC-23	12/8/2015	ND<1	182
	6/15/2016	ND<1	182
	12/6/2016	ND<1	182
	6/14/2017	ND<1	182
	12/11/2017	ND<1	182
	6/18/2018	ND<1	182
	12/18/2018	ND<1	182
	6/12/2019	ND<1	182
	12/11/2019	ND<1	182
	6/24/2020	ND<1	182
	12/16/2020	ND<1	182
	6/14/2021	ND<1	182
Rank Sum = 2184			
Rank Mean = 182			
<hr/>			
GWC-23A	12/8/2015	ND<1	182
	6/15/2016	ND<1	182
	12/6/2016	ND<1	182
	6/14/2017	ND<1	182
	12/11/2017	ND<1	182
	6/18/2018	ND<1	182
	12/18/2018	ND<1	182
	6/12/2019	ND<1	182
	12/11/2019	ND<1	182
	6/24/2020	ND<1	182
	12/16/2020	ND<1	182
	6/14/2021	ND<1	182
Rank Sum = 2184			
Rank Mean = 182			
<hr/>			
GWC-24	12/8/2015	ND<1	182
	6/13/2016	ND<1	182
	12/7/2016	ND<1	182

Tetrachloroethene

6/14/2017	ND<1	182	
12/13/2017	ND<1	182	
6/19/2018	ND<1	182	
12/19/2018	ND<1	182	
6/11/2019	ND<1	182	
12/9/2019	ND<1	182	
6/24/2020	ND<1	182	
12/15/2020	ND<1	182	
6/14/2021	ND<1	182	
Rank Sum = 2184			
Rank Mean = 182			
<hr/>			
GWC-6	12/8/2015	ND<1	182
	6/14/2016	ND<1	182
	12/8/2016	ND<1	182
	6/12/2017	ND<1	182
	12/13/2017	ND<1	182
	6/21/2018	ND<1	182
	12/19/2018	ND<1	182
	6/12/2019	ND<1	182
	12/10/2019	ND<1	182
	6/24/2020	ND<1	182
	12/17/2020	ND<1	182
	6/15/2021	ND<1	182
Rank Sum = 2184			
Rank Mean = 182			
<hr/>			
GWC-9	12/8/2015	ND<1	182
	6/14/2016	ND<1	182
	12/8/2016	ND<1	182
	6/15/2017	ND<1	182
	12/13/2017	ND<1	182
	6/20/2018	ND<1	182
	12/18/2018	ND<1	182
	6/12/2019	ND<1	182
	12/12/2019	ND<1	182
	6/24/2020	ND<1	182
	12/17/2020	ND<1	182
	6/15/2021	ND<1	182
Rank Sum = 2184			
Rank Mean = 182			
<hr/>			
GWC-14	12/9/2015	ND<1	182
	6/15/2016	ND<1	182
	6/13/2017	ND<1	182
	6/20/2018	ND<1	182
	6/11/2019	ND<1	182
	12/10/2019	ND<1	182
	6/24/2020	ND<1	182
	12/17/2020	ND<1	182
	6/15/2021	ND<1	182
Rank Sum = 1638			
Rank Mean = 182			
<hr/>			
GWC-14A	12/9/2015	ND<1	182
	6/15/2016	ND<1	182
	12/8/2016	ND<1	182
	6/13/2017	ND<1	182
	12/12/2017	ND<1	182
	6/20/2018	ND<1	182
	12/19/2018	ND<1	182

Tetrachloroethene

6/11/2019	ND<1	182
12/10/2019	ND<1	182
6/24/2020	ND<1	182
12/15/2020	ND<1	182
6/15/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWC-15	12/9/2015	6.1	381
	6/15/2016	9	389
	12/8/2016	16	392
	6/14/2017	7.3	387
	12/13/2017	2.7	370
	6/19/2018	5	379
	12/19/2018	9.7	391
	6/11/2019	50	397
	12/10/2019	31	395
	6/25/2020	48	396
	12/17/2020	19	393
	6/16/2021	29	394

Rank Sum = 4664
Rank Mean = 388.667

GWC-16A	12/9/2015	3.7	374
	6/16/2016	ND<1	182
	12/7/2016	ND<1	182
	6/14/2017	6.3	382
	12/13/2017	ND<1	182
	6/21/2018	ND<1	182
	12/19/2018	ND<1	182
	6/13/2019	ND<1	182
	12/11/2019	ND<1	182
	6/23/2020	ND<1	182
	12/17/2020	ND<1	182
	6/16/2021	ND<1	182

Rank Sum = 2576
Rank Mean = 214.667

GWC-18	12/9/2015	9	390
	6/13/2016	4	376
	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	375
	12/9/2019	7.4	388
	6/23/2020	5.7	380
	12/15/2020	6.4	383
	6/14/2021	3.1	372

Rank Sum = 4574
Rank Mean = 381.167

GWC-19R	12/9/2015	ND<1	182
	6/15/2016	ND<1	182
	12/6/2016	ND<1	182
	6/14/2017	ND<1	182
	12/13/2017	ND<1	182
	6/19/2018	ND<1	182
	12/18/2018	2	364
	6/11/2019	ND<1	182

Tetrachloroethene

12/9/2019	ND<1	182
6/23/2020	ND<1	182
12/15/2020	ND<1	182
6/14/2021	ND<1	182

Rank Sum = 2366
Rank Mean = 197.167

GWC-2	12/9/2015	ND<1	182
	6/14/2016	ND<1	182
	12/8/2016	ND<1	182
	6/15/2017	ND<1	182
	12/13/2017	ND<1	182
	6/20/2018	ND<1	182
	12/19/2018	ND<1	182
	6/12/2019	ND<1	182
	12/10/2019	ND<1	182
	6/22/2020	ND<1	182
	12/16/2020	ND<1	182
	6/15/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWC-22	12/9/2015	ND<1	182
	6/15/2016	ND<1	182
	12/6/2016	ND<1	182
	6/14/2017	ND<1	182
	12/11/2017	ND<1	182
	6/19/2018	ND<1	182
	12/18/2018	ND<1	182
	6/12/2019	ND<1	182
	12/11/2019	ND<1	182
	6/23/2020	ND<1	182
	12/17/2020	ND<1	182
	6/14/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWC-3	12/9/2015	ND<1	182
	6/14/2016	ND<1	182
	12/8/2016	ND<1	182
	6/15/2017	ND<1	182
	6/21/2018	ND<1	182
	12/17/2018	ND<1	182
	6/11/2019	ND<1	182
	12/10/2019	ND<1	182
	6/24/2020	ND<1	182
	12/16/2020	ND<1	182
	6/15/2021	ND<1	182

Rank Sum = 2002
Rank Mean = 182

GWC-3A	12/9/2015	ND<1	182
	6/14/2016	ND<1	182
	12/8/2016	ND<1	182
	6/15/2017	ND<1	182
	12/12/2017	ND<1	182
	6/20/2018	ND<1	182
	12/17/2018	ND<1	182
	6/11/2019	ND<1	182
	12/10/2019	ND<1	182
	6/24/2020	ND<1	182

Tetrachloroethene

12/16/2020	ND<1	182
6/14/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWC-4	12/9/2015	ND<1	182
	6/16/2016	ND<1	182
	12/7/2016	ND<1	182
	6/20/2018	ND<1	182
	6/23/2020	ND<1	182
	12/17/2020	ND<1	182
	6/16/2021	ND<1	182

Rank Sum = 1274
Rank Mean = 182

GWC-4A	12/9/2015	ND<1	182
	6/16/2016	ND<1	182
	12/7/2016	ND<1	182
	6/13/2017	ND<1	182
	12/12/2017	ND<1	182
	6/20/2018	ND<1	182
	12/17/2018	ND<1	182
	6/11/2019	ND<1	182
	12/11/2019	ND<1	182
	6/23/2020	ND<1	182
	12/17/2020	ND<1	182
	6/17/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWC-14R	12/10/2015	2.8	371
	6/15/2016	2.2	368
	12/8/2016	2.5	369
	6/13/2017	3.2	373
	12/12/2017	2	365
	6/20/2018	2	366
	12/19/2018	ND<1	182
	6/12/2019	ND<1	182
	12/10/2019	ND<1	182
	6/23/2020	ND<1	182
	12/17/2020	ND<1	182
	6/16/2021	ND<1	182

Rank Sum = 3304
Rank Mean = 275.333

GWC-8	12/10/2015	ND<1	182
	6/15/2016	ND<1	182
	12/8/2016	ND<1	182
	12/12/2017	ND<1	182
	6/20/2018	ND<1	182
	12/19/2018	ND<1	182
	6/12/2019	ND<1	182
	12/11/2019	ND<1	182
	6/23/2020	ND<1	182
	12/16/2020	ND<1	182
	6/16/2021	ND<1	182

Rank Sum = 2002
Rank Mean = 182

GWC-8A	12/10/2015	ND<1	182
	6/15/2016	ND<1	182

Tetrachloroethene

12/8/2016	ND<1	182
6/13/2017	ND<1	182

12/12/2017	ND<1	182
6/20/2018	ND<1	182
12/19/2018	ND<1	182
6/12/2019	ND<1	182
12/11/2019	ND<1	182
6/23/2020	ND<1	182
12/15/2020	ND<1	182
6/16/2021	ND<1	182

Rank Sum = 2184
Rank Mean = 182

GWC-8R	12/10/2015	ND<1	182
	6/15/2016	ND<1	182
	12/8/2016	ND<1	182
	6/13/2017	ND<1	182
	12/12/2017	ND<1	182
	6/20/2018	2	367
	12/19/2018	ND<1	182
	6/12/2019	ND<1	182
	12/11/2019	ND<1	182
	6/23/2020	ND<1	182
	12/15/2020	ND<1	182
	6/16/2021	ND<1	182

Rank Sum = 2369
Rank Mean = 197.417

Calculation Results:

Kruskal-Wallis H Statistic = 75.7004

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 321.374

95% Confidence comparison value is 46.1942 at 32 degrees of freedom

75.7004 > 46.1942 indicating a significant group difference at 5% significance level

321.374 > 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 182

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-3	182	0	94.3789
GWC-10	182	0	94.3789
GWC-10A	182	0	94.3789
GWC-11	182	0	94.3789
GWC-12	182	0	94.3789
GWC-12A	182	0	94.3789
GWC-13	182	0	94.3789
GWC-5	182	0	94.3789
GWC-7	182	0	94.3789
GWA-1A	182	0	94.3789
GWC-17	182	0	97.1968
GWC-23	182	0	94.3789
GWC-23A	182	0	94.3789
GWC-24	182	0	94.3789
GWC-6	182	0	94.3789
GWC-9	182	0	94.3789
GWC-14	182	0	104.34
GWC-14A	182	0	94.3789
GWC-15	388.667	206.667	94.3789
GWC-16A	214.667	32.6667	94.3789

Tetrachloroethene

GWC-18	381.167	199.167	94.3789
GWC-19R	197.167	15.1667	94.3789
GWC-2	182	0	94.3789
GWC-22	182	0	94.3789
GWC-3	182	0	97.1968
GWC-3A	182	0	94.3789
GWC-4	182	0	114.669
GWC-4A	182	0	94.3789
GWC-14R	275.333	93.3333	94.3789
GWC-8	182	0	97.1968
GWC-8A	182	0	94.3789
GWC-8R	197.417	15.4167	94.3789

**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 182

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-3	182	0	125.37
GWC-10	182	0	125.37
GWC-10A	182	0	125.37
GWC-11	182	0	125.37
GWC-12	182	0	125.37
GWC-12A	182	0	125.37
GWC-13	182	0	125.37
GWC-5	182	0	125.37
GWC-7	182	0	125.37
GWA-1A	182	0	125.37
GWC-17	182	0	129.113
GWC-23	182	0	125.37
GWC-23A	182	0	125.37
GWC-24	182	0	125.37
GWC-6	182	0	125.37
GWC-9	182	0	125.37
GWC-14	182	0	138.602
GWC-14A	182	0	125.37
GWC-15	388.667	206.667	125.37
GWC-16A	214.667	32.6667	125.37
GWC-18	381.167	199.167	125.37
GWC-19R	197.167	15.1667	125.37
GWC-2	182	0	125.37
GWC-22	182	0	125.37
GWC-3	182	0	129.113
GWC-3A	182	0	125.37
GWC-4	182	0	152.323
GWC-4A	182	0	125.37
GWC-14R	275.333	93.3333	125.37
GWC-8	182	0	129.113
GWC-8A	182	0	125.37
GWC-8R	197.417	15.4167	125.37

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-2	12/7/2015	ND<1	178.5
	6/13/2016	ND<1	178.5
	12/8/2016	ND<1	178.5
	6/15/2017	ND<1	178.5
	12/11/2017	ND<1	178.5
	6/19/2018	ND<1	178.5
	12/17/2018	ND<1	178.5
	6/11/2019	ND<1	178.5
	12/11/2019	ND<1	178.5
	6/22/2020	ND<1	178.5
	12/17/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWA-1	12/8/2015	ND<1	178.5
	6/14/2016	ND<1	178.5
	12/7/2016	ND<1	178.5
	6/13/2017	ND<1	178.5
	12/11/2017	ND<1	178.5
	6/19/2018	ND<1	178.5
	12/17/2018	ND<1	178.5
	6/10/2019	ND<1	178.5
	12/9/2019	ND<1	178.5
	6/23/2020	ND<1	178.5
	12/17/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

Background Rank Sum = 4284
Background Rank Mean = 178.5

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-3	12/7/2015	ND<1	178.5
	6/13/2016	ND<1	178.5
	12/8/2016	ND<1	178.5
	6/14/2017	ND<1	178.5
	12/11/2017	ND<1	178.5
	6/18/2018	ND<1	178.5
	12/17/2018	ND<1	178.5
	6/11/2019	ND<1	178.5
	12/10/2019	ND<1	178.5
	6/22/2020	ND<1	178.5
	12/16/2020	ND<1	178.5
	6/14/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

Trichloroethene

GWC-10	12/7/2015	ND<1	178.5
	6/14/2016	ND<1	178.5
	12/8/2016	ND<1	178.5
	6/15/2017	ND<1	178.5
	12/12/2017	ND<1	178.5
	6/19/2018	ND<1	178.5
	12/17/2018	ND<1	178.5
	6/10/2019	ND<1	178.5
	12/12/2019	ND<1	178.5
	6/24/2020	ND<1	178.5
	12/15/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-10A	12/7/2015	ND<1	178.5
	6/14/2016	ND<1	178.5
	12/8/2016	ND<1	178.5
	6/15/2017	ND<1	178.5
	12/12/2017	ND<1	178.5
	6/19/2018	ND<1	178.5
	12/17/2018	ND<1	178.5
	6/10/2019	ND<1	178.5
	12/12/2019	ND<1	178.5
	6/24/2020	ND<1	178.5
	12/15/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-11	12/7/2015	ND<1	178.5
	6/14/2016	ND<1	178.5
	12/7/2016	ND<1	178.5
	6/14/2017	ND<1	178.5
	12/13/2017	ND<1	178.5
	6/19/2018	ND<1	178.5
	12/19/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/12/2019	ND<1	178.5
	6/24/2020	ND<1	178.5
	12/15/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-12	12/7/2015	ND<1	178.5
	6/14/2016	ND<1	178.5
	12/7/2016	ND<1	178.5
	6/14/2017	ND<1	178.5
	12/13/2017	ND<1	178.5
	6/19/2018	ND<1	178.5
	12/19/2018	ND<1	178.5
	6/11/2019	ND<1	178.5
	12/9/2019	ND<1	178.5
	6/24/2020	ND<1	178.5
	12/15/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

Trichloroethene

GWC-12A	12/7/2015	ND<1	178.5
	6/14/2016	ND<1	178.5
	12/7/2016	ND<1	178.5
	6/14/2017	ND<1	178.5
	12/13/2017	ND<1	178.5
	6/19/2018	ND<1	178.5
	12/19/2018	ND<1	178.5
	6/11/2019	ND<1	178.5
	12/9/2019	ND<1	178.5
	6/24/2020	ND<1	178.5
	12/15/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-13	12/7/2015	ND<1	178.5
	6/15/2016	ND<1	178.5
	12/7/2016	ND<1	178.5
	6/14/2017	ND<1	178.5
	12/12/2017	ND<1	178.5
	6/19/2018	ND<1	178.5
	12/19/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/11/2019	ND<1	178.5
	6/23/2020	ND<1	178.5
	12/15/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-5	12/7/2015	ND<1	178.5
	6/14/2016	ND<1	178.5
	12/8/2016	ND<1	178.5
	6/12/2017	ND<1	178.5
	12/12/2017	ND<1	178.5
	6/21/2018	ND<1	178.5
	12/18/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/10/2019	ND<1	178.5
	6/23/2020	ND<1	178.5
	12/17/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-7	12/7/2015	ND<1	178.5
	6/15/2016	ND<1	178.5
	12/8/2016	ND<1	178.5
	6/12/2017	ND<1	178.5
	12/12/2017	ND<1	178.5
	6/19/2018	ND<1	178.5
	12/18/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/11/2019	ND<1	178.5
	6/24/2020	ND<1	178.5
	12/17/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWA-1A	12/8/2015	ND<1	178.5
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Trichloroethene

6/14/2016	ND<1	178.5
12/7/2016	ND<1	178.5
6/12/2017	ND<1	178.5
12/13/2017	ND<1	178.5
6/19/2018	ND<1	178.5
12/18/2018	ND<1	178.5
6/10/2019	ND<1	178.5
12/9/2019	ND<1	178.5
6/23/2020	ND<1	178.5
12/17/2020	ND<1	178.5
6/17/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-17	12/8/2015	ND<1	178.5
	6/13/2016	ND<1	178.5
	6/14/2017	ND<1	178.5
	12/12/2017	ND<1	178.5
	6/19/2018	ND<1	178.5
	12/19/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/10/2019	ND<1	178.5
	6/23/2020	ND<1	178.5
	12/15/2020	ND<1	178.5
	6/14/2021	ND<1	178.5

Rank Sum = 1963.5
Rank Mean = 178.5

GWC-23	12/8/2015	ND<1	178.5
	6/15/2016	ND<1	178.5
	12/6/2016	ND<1	178.5
	6/14/2017	ND<1	178.5
	12/11/2017	ND<1	178.5
	6/18/2018	ND<1	178.5
	12/18/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/11/2019	ND<1	178.5
	6/24/2020	ND<1	178.5
	12/16/2020	ND<1	178.5
	6/14/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-23A	12/8/2015	ND<1	178.5
	6/15/2016	ND<1	178.5
	12/6/2016	ND<1	178.5
	6/14/2017	ND<1	178.5
	12/11/2017	ND<1	178.5
	6/18/2018	ND<1	178.5
	12/18/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/11/2019	ND<1	178.5
	6/24/2020	ND<1	178.5
	12/16/2020	ND<1	178.5
	6/14/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-24	12/8/2015	ND<1	178.5
	6/13/2016	ND<1	178.5
	12/7/2016	ND<1	178.5

Trichloroethene

6/14/2017	ND<1	178.5
12/13/2017	ND<1	178.5
6/19/2018	ND<1	178.5
12/19/2018	ND<1	178.5
6/11/2019	ND<1	178.5
12/9/2019	ND<1	178.5
6/24/2020	ND<1	178.5
12/15/2020	ND<1	178.5
6/14/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-6	12/8/2015	ND<1	178.5
	6/14/2016	ND<1	178.5
	12/8/2016	ND<1	178.5
	6/12/2017	ND<1	178.5
	12/13/2017	ND<1	178.5
	6/21/2018	ND<1	178.5
	12/19/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/10/2019	ND<1	178.5
	6/24/2020	ND<1	178.5
	12/17/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-9	12/8/2015	ND<1	178.5
	6/14/2016	ND<1	178.5
	12/8/2016	ND<1	178.5
	6/15/2017	ND<1	178.5
	12/13/2017	ND<1	178.5
	6/20/2018	ND<1	178.5
	12/18/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/12/2019	ND<1	178.5
	6/24/2020	ND<1	178.5
	12/17/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-14	12/9/2015	ND<1	178.5
	6/15/2016	ND<1	178.5
	6/13/2017	ND<1	178.5
	6/20/2018	ND<1	178.5
	6/11/2019	ND<1	178.5
	12/10/2019	ND<1	178.5
	6/24/2020	ND<1	178.5
	12/17/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 1606.5
Rank Mean = 178.5

GWC-14A	12/9/2015	5.3	384
	6/15/2016	4.3	377
	12/8/2016	6.8	389
	6/13/2017	3.5	371
	12/12/2017	3.8	373
	6/20/2018	2.1	357
	12/19/2018	2.2	361

Trichloroethene

6/11/2019	ND<1	178.5
12/10/2019	3.1	370
6/24/2020	ND<1	178.5
12/15/2020	ND<1	178.5
6/15/2021	ND<1	178.5

Rank Sum = 3696
Rank Mean = 308

GWC-15	12/9/2015	2.4	364
	6/15/2016	ND<1	178.5
	12/8/2016	73	396
	6/14/2017	2.1	358
	12/13/2017	ND<1	178.5
	6/19/2018	ND<1	178.5
	12/19/2018	3.7	372
	6/11/2019	70	394
	12/10/2019	55	393
	6/25/2020	90	397
	12/17/2020	45	392
	6/16/2021	71	395

Rank Sum = 3996.5
Rank Mean = 333.042

GWC-16A	12/9/2015	7	391
	6/16/2016	ND<1	178.5
	12/7/2016	ND<1	178.5
	6/14/2017	3.9	374
	12/13/2017	ND<1	178.5
	6/21/2018	ND<1	178.5
	12/19/2018	ND<1	178.5
	6/13/2019	ND<1	178.5
	12/11/2019	ND<1	178.5
	6/23/2020	ND<1	178.5
	12/17/2020	ND<1	178.5
	6/16/2021	ND<1	178.5

Rank Sum = 2550
Rank Mean = 212.5

GWC-18	12/9/2015	2.7	367
	6/13/2016	ND<1	178.5
	12/6/2016	2.3	362
	6/14/2017	ND<1	178.5
	12/13/2017	2.3	363
	6/19/2018	ND<1	178.5
	12/18/2018	2.1	359
	6/11/2019	ND<1	178.5
	12/9/2019	2.6	366
	6/23/2020	ND<1	178.5
	12/15/2020	2.4	365
	6/14/2021	ND<1	178.5

Rank Sum = 3253
Rank Mean = 271.083

GWC-19R	12/9/2015	ND<1	178.5
	6/15/2016	ND<1	178.5
	12/6/2016	ND<1	178.5
	6/14/2017	ND<1	178.5
	12/13/2017	ND<1	178.5
	6/19/2018	ND<1	178.5
	12/18/2018	ND<1	178.5
	6/11/2019	ND<1	178.5

Trichloroethene

12/9/2019	ND<1	178.5
6/23/2020	ND<1	178.5
12/15/2020	ND<1	178.5
6/14/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-2	12/9/2015	ND<1	178.5
	6/14/2016	ND<1	178.5
	12/8/2016	ND<1	178.5
	6/15/2017	ND<1	178.5
	12/13/2017	ND<1	178.5
	6/20/2018	ND<1	178.5
	12/19/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/10/2019	ND<1	178.5
	6/22/2020	ND<1	178.5
	12/16/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-22	12/9/2015	ND<1	178.5
	6/15/2016	ND<1	178.5
	12/6/2016	ND<1	178.5
	6/14/2017	ND<1	178.5
	12/11/2017	ND<1	178.5
	6/19/2018	ND<1	178.5
	12/18/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/11/2019	ND<1	178.5
	6/23/2020	ND<1	178.5
	12/17/2020	ND<1	178.5
	6/14/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-3	12/9/2015	ND<1	178.5
	6/14/2016	ND<1	178.5
	12/8/2016	ND<1	178.5
	6/15/2017	ND<1	178.5
	6/21/2018	ND<1	178.5
	12/17/2018	ND<1	178.5
	6/11/2019	ND<1	178.5
	12/10/2019	ND<1	178.5
	6/24/2020	ND<1	178.5
	12/16/2020	ND<1	178.5
	6/15/2021	ND<1	178.5

Rank Sum = 1963.5
Rank Mean = 178.5

GWC-3A	12/9/2015	ND<1	178.5
	6/14/2016	ND<1	178.5
	12/8/2016	ND<1	178.5
	6/15/2017	ND<1	178.5
	12/12/2017	ND<1	178.5
	6/20/2018	ND<1	178.5
	12/17/2018	ND<1	178.5
	6/11/2019	ND<1	178.5
	12/10/2019	ND<1	178.5
	6/24/2020	ND<1	178.5

Trichloroethene

	12/16/2020	ND<1	178.5
	6/14/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-4	12/9/2015	ND<1	178.5
	6/16/2016	ND<1	178.5
	12/7/2016	ND<1	178.5
	6/20/2018	ND<1	178.5
	6/23/2020	ND<1	178.5
	12/17/2020	ND<1	178.5
	6/16/2021	ND<1	178.5

Rank Sum = 1249.5
Rank Mean = 178.5

GWC-4A	12/9/2015	ND<1	178.5
	6/16/2016	ND<1	178.5
	12/7/2016	ND<1	178.5
	6/13/2017	ND<1	178.5
	12/12/2017	ND<1	178.5
	6/20/2018	ND<1	178.5
	12/17/2018	ND<1	178.5
	6/11/2019	ND<1	178.5
	12/11/2019	ND<1	178.5
	6/23/2020	ND<1	178.5
	12/17/2020	ND<1	178.5
	6/17/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-14R	12/10/2015	6.7	388
	6/15/2016	6.1	387
	12/8/2016	5.4	386
	6/13/2017	6.8	390
	12/12/2017	4.8	381
	6/20/2018	5.2	383
	12/19/2018	4.9	382
	6/12/2019	4.7	380
	12/10/2019	4.3	378
	6/23/2020	4.3	379
	12/17/2020	3.9	375
	6/16/2021	3.9	376

Rank Sum = 4585
Rank Mean = 382.083

GWC-8	12/10/2015	ND<1	178.5
	6/15/2016	ND<1	178.5
	12/8/2016	ND<1	178.5
	12/12/2017	ND<1	178.5
	6/20/2018	ND<1	178.5
	12/19/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/11/2019	ND<1	178.5
	6/23/2020	ND<1	178.5
	12/16/2020	ND<1	178.5
	6/16/2021	ND<1	178.5

Rank Sum = 1963.5
Rank Mean = 178.5

GWC-8A	12/10/2015	ND<1	178.5
	6/15/2016	ND<1	178.5

Trichloroethene

	12/8/2016	ND<1	178.5
	6/13/2017	ND<1	178.5
	12/12/2017	ND<1	178.5
	6/20/2018	ND<1	178.5
	12/19/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/11/2019	ND<1	178.5
	6/23/2020	ND<1	178.5
	12/15/2020	ND<1	178.5
	6/16/2021	ND<1	178.5

Rank Sum = 2142
Rank Mean = 178.5

GWC-8R	12/10/2015	2.9	368
	6/15/2016	ND<1	178.5
	12/8/2016	ND<1	178.5
	6/13/2017	2.9	369
	12/12/2017	ND<1	178.5
	6/20/2018	5.3	385
	12/19/2018	ND<1	178.5
	6/12/2019	ND<1	178.5
	12/11/2019	ND<1	178.5
	6/23/2020	ND<1	178.5
	12/15/2020	ND<1	178.5
	6/16/2021	2.1	360

Rank Sum = 2910
Rank Mean = 242.5

Calculation Results:

Kruskal-Wallis H Statistic = 74.7495

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 267.987

95% Confidence comparison value is 46.1942 at 32 degrees of freedom

74.7495 > 46.1942 indicating a significant group difference at 5% significance level

267.987 > 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 178.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-3	178.5	0	94.3789
GWC-10	178.5	0	94.3789
GWC-10A	178.5	0	94.3789
GWC-11	178.5	0	94.3789
GWC-12	178.5	0	94.3789
GWC-12A	178.5	0	94.3789
GWC-13	178.5	0	94.3789
GWC-5	178.5	0	94.3789
GWC-7	178.5	0	94.3789
GWA-1A	178.5	0	94.3789
GWC-17	178.5	0	97.1968
GWC-23	178.5	0	94.3789
GWC-23A	178.5	0	94.3789
GWC-24	178.5	0	94.3789
GWC-6	178.5	0	94.3789
GWC-9	178.5	0	94.3789
GWC-14	178.5	0	104.34
GWC-14A	308	129.5	94.3789
GWC-15	333.042	154.542	94.3789
GWC-16A	212.5	34	94.3789

Trichloroethene

GWC-18	271.083	92.5833	94.3789
GWC-19R	178.5	0	94.3789
GWC-2	178.5	0	94.3789
GWC-22	178.5	0	94.3789
GWC-3	178.5	0	97.1968
GWC-3A	178.5	0	94.3789
GWC-4	178.5	0	114.669
GWC-4A	178.5	0	94.3789
GWC-14R	382.083	203.583	94.3789
GWC-8	178.5	0	97.1968
GWC-8A	178.5	0	94.3789
GWC-8R	242.5	64	94.3789

**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 178.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-3	178.5	0	125.37
GWC-10	178.5	0	125.37
GWC-10A	178.5	0	125.37
GWC-11	178.5	0	125.37
GWC-12	178.5	0	125.37
GWC-12A	178.5	0	125.37
GWC-13	178.5	0	125.37
GWC-5	178.5	0	125.37
GWC-7	178.5	0	125.37
GWA-1A	178.5	0	125.37
GWC-17	178.5	0	129.113
GWC-23	178.5	0	125.37
GWC-23A	178.5	0	125.37
GWC-24	178.5	0	125.37
GWC-6	178.5	0	125.37
GWC-9	178.5	0	125.37
GWC-14	178.5	0	138.602
GWC-14A	308	129.5	125.37
GWC-15	333.042	154.542	125.37
GWC-16A	212.5	34	125.37
GWC-18	271.083	92.5833	125.37
GWC-19R	178.5	0	125.37
GWC-2	178.5	0	125.37
GWC-22	178.5	0	125.37
GWC-3	178.5	0	129.113
GWC-3A	178.5	0	125.37
GWC-4	178.5	0	152.323
GWC-4A	178.5	0	125.37
GWC-14R	382.083	203.583	125.37
GWC-8	178.5	0	129.113
GWC-8A	178.5	0	125.37
GWC-8R	242.5	64	125.37

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-2	12/7/2015	ND<1	191.5
	6/13/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWA-1	12/8/2015	ND<1	191.5
	6/14/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

Background Rank Sum = 4596
Background Rank Mean = 191.5

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-3	12/7/2015	ND<1	191.5
	6/13/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

Vinyl chloride

GWC-10	12/7/2015	ND<1	191.5
	6/14/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-10A	12/7/2015	ND<1	191.5
	6/14/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-11	12/7/2015	ND<1	191.5
	6/14/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-12	12/7/2015	ND<1	191.5
	6/14/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

Vinyl chloride

GWC-12A	12/7/2015	ND<1	191.5
	6/14/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-13	12/7/2015	ND<1	191.5
	6/15/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-5	12/7/2015	ND<1	191.5
	6/14/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-7	12/7/2015	ND<1	191.5
	6/15/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWA-1A	12/8/2015	ND<1	191.5
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Vinyl chloride

6/14/2016	ND<1	191.5
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

Rank Sum = 2298
Rank Mean = 191.5

GWC-17	12/8/2015	ND<1	191.5
	6/13/2016	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
	12/10/2019	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

Rank Sum = 2106.5
Rank Mean = 191.5

GWC-23	12/8/2015	ND<1	191.5
	6/15/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-23A	12/8/2015	ND<1	191.5
	6/15/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-24	12/8/2015	ND<1	191.5
	6/13/2016	ND<1	191.5
	12/7/2016	ND<1	191.5

Vinyl chloride

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

Rank Sum = 2298
Rank Mean = 191.5

GWC-6	12/8/2015	ND<1	191.5
	6/14/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-9	12/8/2015	ND<1	191.5
	6/14/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-14	12/9/2015	ND<1	191.5
	6/15/2016	ND<1	191.5
	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

Rank Sum = 1723.5
Rank Mean = 191.5

GWC-14A	12/9/2015	6.1	392
	6/15/2016	8.4	395
	12/8/2016	5.7	389
	6/13/2017	3.5	384
	12/12/2017	6	390
	6/20/2018	6.2	393
	12/19/2018	4.9	388

Vinyl chloride

6/11/2019	4.3	386
12/10/2019	4	385
6/24/2020	7.5	394
12/15/2020	11	396
6/15/2021	12	397

Rank Sum = 4689
Rank Mean = 390.75

GWC-15	12/9/2015	ND<1	191.5
	6/15/2016	ND<1	191.5
	12/8/2016	2.3	383
	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

Rank Sum = 2489.5
Rank Mean = 207.458

GWC-16A	12/9/2015	6	391
	6/16/2016	ND<1	191.5
	12/7/2016	ND<1	191.5
	6/14/2017	4.8	387
	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

Rank Sum = 2693
Rank Mean = 224.417

GWC-18	12/9/2015	ND<1	191.5
	6/13/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-19R	12/9/2015	ND<1	191.5
	6/15/2016	ND<1	191.5
	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

Vinyl chloride

	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-2	12/9/2015	ND<1	191.5
	6/14/2016	ND<1	191.5
	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
	12/19/2018	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-22	12/9/2015	ND<1	191.5
	6/15/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-3	12/9/2015	ND<1	191.5
	6/14/2016	ND<1	191.5
	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

Rank Sum = 2106.5
Rank Mean = 191.5

GWC-3A	12/9/2015	ND<1	191.5
	6/14/2016	ND<1	191.5
	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

Vinyl chloride

	12/16/2020	ND<1	191.5
	6/14/2021	ND<1	191.5

Rank Sum = 2298
Rank Mean = 191.5

GWC-4	12/9/2015	ND<1	191.5
	6/16/2016	ND<1	191.5
	12/7/2016	ND<1	191.5
	6/20/2018	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

Rank Sum = 1340.5
Rank Mean = 191.5

GWC-4A	12/9/2015	ND<1	191.5
	6/16/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-14R	12/10/2015	ND<1	191.5
	6/15/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-8	12/10/2015	ND<1	191.5
	6/15/2016	ND<1	191.5
	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

Rank Sum = 2106.5
Rank Mean = 191.5

GWC-8A	12/10/2015	ND<1	191.5
	6/15/2016	ND<1	191.5

Vinyl chloride

	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

Rank Sum = 2298
Rank Mean = 191.5

GWC-8R	12/10/2015	ND<1	191.5
	6/15/2016	ND<1	191.5
	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

Rank Sum = 2298
Rank Mean = 191.5

Calculation Results:

Kruskal-Wallis H Statistic = 35.705

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 327.203

95% Confidence comparison value is 46.1942 at 32 degrees of freedom

35.705 < 46.1942 indicating no significant group difference at 5% significance level

327.203 > 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
GWA-3	191.5	0	94.3789
GWC-10	191.5	0	94.3789
GWC-10A	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-5	191.5	0	94.3789
GWC-7	191.5	0	94.3789
GWA-1A	191.5	0	94.3789
GWC-17	191.5	0	97.1968
GWC-23	191.5	0	94.3789
GWC-23A	191.5	0	94.3789
GWC-24	191.5	0	94.3789
GWC-6	191.5	0	94.3789
GWC-9	191.5	0	94.3789
GWC-14	191.5	0	104.34
GWC-14A	390.75	199.25	94.3789
GWC-15	207.458	15.9583	94.3789
GWC-16A	224.417	32.9167	94.3789

Vinyl chloride

GWC-18	191.5	0	94.3789
GWC-19R	191.5	0	94.3789
GWC-2	191.5	0	94.3789
GWC-22	191.5	0	94.3789
GWC-3	191.5	0	97.1968
GWC-3A	191.5	0	94.3789
GWC-4	191.5	0	114.669
GWC-4A	191.5	0	94.3789
GWC-14R	191.5	0	94.3789
GWC-8	191.5	0	97.1968
GWC-8A	191.5	0	94.3789
GWC-8R	191.5	0	94.3789

**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 191.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-3	191.5	0	125.37
GWC-10	191.5	0	125.37
GWC-10A	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-5	191.5	0	125.37
GWC-7	191.5	0	125.37
GWA-1A	191.5	0	125.37
GWC-17	191.5	0	129.113
GWC-23	191.5	0	125.37
GWC-23A	191.5	0	125.37
GWC-24	191.5	0	125.37
GWC-6	191.5	0	125.37
GWC-9	191.5	0	125.37
GWC-14	191.5	0	138.602
GWC-14A	390.75	199.25	125.37
GWC-15	207.458	15.9583	125.37
GWC-16A	224.417	32.9167	125.37
GWC-18	191.5	0	125.37
GWC-19R	191.5	0	125.37
GWC-2	191.5	0	125.37
GWC-22	191.5	0	125.37
GWC-3	191.5	0	129.113
GWC-3A	191.5	0	125.37
GWC-4	191.5	0	152.323
GWC-4A	191.5	0	125.37
GWC-14R	191.5	0	125.37
GWC-8	191.5	0	129.113
GWC-8A	191.5	0	125.37
GWC-8R	191.5	0	125.37

Barium

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-2	12/8/2015	26	177
	6/14/2016	36	242
	12/9/2016	ND<10	62.5
	6/16/2017	26	178
	12/12/2017	25	168
	6/20/2018	23	152
	12/18/2018	32	215
	6/12/2019	23	153
	12/12/2019	39.5	260
	6/23/2020	20	125
	12/18/2020	22	140
	6/16/2021	24.2	165

Rank Sum = 2037.5
Rank Mean = 169.792

Loc. ID	Date	Value	Rank
GWA-1	12/9/2015	22	141
	6/15/2016	29	197
	12/8/2016	26	179
	6/14/2017	28	191
	12/12/2017	27	184
	6/20/2018	32	216
	12/18/2018	28	192
	6/11/2019	28	193
	12/10/2019	20.9	134
	6/24/2020	22.3	149
	12/18/2020	27	185
	6/16/2021	26.1	182

Rank Sum = 2143
Rank Mean = 178.583

Background Rank Sum = 4180.5
Background Rank Mean = 174.188

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-1A	12/8/2015	34	227
	6/14/2016	35	233
	12/7/2016	33	221
	6/12/2017	36	243
	12/13/2017	33	222
	6/20/2018	30	203
	12/18/2018	32	217
	6/10/2019	41	267
	12/9/2019	30	204
	6/23/2020	30.3	206
	12/17/2020	31.9	214
	6/17/2021	37.4	251

Rank Sum = 2708
Rank Mean = 225.667

Barium

GWA-3	12/8/2015	ND<10	62.5
	6/14/2016	ND<10	62.5
	12/9/2016	ND<10	62.5
	6/15/2017	ND<10	62.5
	12/12/2017	ND<10	62.5
	6/19/2018	ND<10	62.5
	12/18/2018	ND<10	62.5
	6/12/2019	ND<10	62.5
	12/11/2019		22.9
	6/23/2020	ND<10	62.5
	12/17/2020	ND<10	62.5
	6/15/2021	ND<10	62.5

Rank Sum = 838.5
Rank Mean = 69.875

GWC-10	12/8/2015	ND<10	62.5
	6/15/2016	21	135
	12/9/2016	20	126
	6/16/2017	20	127
	12/13/2017	48	285
	6/20/2018	ND<10	62.5
	12/18/2018	ND<10	62.5
	6/11/2019	22	142
	12/13/2019	ND<10	62.5
	6/25/2020	ND<10	62.5
	12/16/2020	ND<10	62.5
	6/16/2021	ND<10	62.5

Rank Sum = 1252.5
Rank Mean = 104.375

GWC-10A	12/8/2015	27	186
	6/15/2016	29	198
	12/9/2016	31	209
	6/16/2017	31	210
	12/13/2017	32	218
	6/20/2018	34	228
	12/18/2018	35	234
	6/11/2019	33	223
	12/13/2019	35.2	239
	6/25/2020	29.6	201
	12/16/2020	32.5	219
	6/16/2021	31.5	211

Rank Sum = 2576
Rank Mean = 214.667

GWC-11	12/8/2015	27	187
	6/15/2016	24	158
	12/8/2016	22	143
	6/15/2017	24	159
	12/14/2017	42	271
	6/20/2018	21	136
	12/20/2018	ND<10	62.5
	6/13/2019	40	261
	12/13/2019	35.9	241
	6/25/2020	25.9	176
	12/16/2020	25.4	173
	6/16/2021	22.1	147

Rank Sum = 2114.5
Rank Mean = 176.208

Barium

GWC-12	12/8/2015	ND<10	62.5
	6/15/2016	20	128
	12/8/2016	ND<10	62.5
	6/15/2017	ND<10	62.5
	12/14/2017	ND<10	62.5
	6/20/2018	ND<10	62.5
	12/20/2018	34	229
	6/12/2019	20	129
	12/10/2019	ND<10	62.5
	6/25/2020	ND<10	62.5
	12/22/2020	22.6	150
	6/16/2021	ND<10	62.5

Rank Sum = 1136
Rank Mean = 94.6667

GWC-12A	12/8/2015	ND<10	62.5
	6/15/2016	ND<10	62.5
	12/8/2016	ND<10	62.5
	6/15/2017	ND<10	62.5
	12/14/2017	ND<10	62.5
	6/20/2018	ND<10	62.5
	12/20/2018	ND<10	62.5
	6/12/2019	ND<10	62.5
	12/10/2019	ND<10	62.5
	6/25/2020	ND<10	62.5
	12/16/2020	ND<10	62.5
	6/16/2021	ND<10	62.5

Rank Sum = 750
Rank Mean = 62.5

GWC-13	12/8/2015	34	230
	6/16/2016	ND<10	62.5
	12/8/2016	ND<10	62.5
	6/15/2017	ND<10	62.5
	12/13/2017	ND<10	62.5
	6/20/2018	36	244
	12/20/2018	ND<10	62.5
	6/13/2019	ND<10	62.5
	12/12/2019	32.7	220
	6/24/2020	ND<10	62.5
	12/16/2020	ND<10	62.5
	6/16/2021	ND<10	62.5

Rank Sum = 1256.5
Rank Mean = 104.708

GWC-17	12/8/2015	41	268
	6/14/2016	38	252
	6/15/2017	45	278
	12/13/2017	35	235
	6/20/2018	34	231
	12/20/2018	69	313
	6/13/2019	43	275
	12/11/2019	37.1	249
	6/24/2020	30.9	208
	12/16/2020	40.7	265
	6/15/2021	38.3	256

Rank Sum = 2830
Rank Mean = 257.273

GWC-5	12/8/2015	ND<10	62.5
	6/15/2016	ND<10	62.5

Barium

12/9/2016	ND<10	62.5
6/13/2017	ND<10	62.5
12/13/2017	ND<10	62.5
6/21/2018	ND<10	62.5
12/19/2018	ND<10	62.5
6/13/2019	ND<10	62.5
12/11/2019	ND<10	62.5
6/24/2020	ND<10	62.5
12/18/2020	ND<10	62.5
6/16/2021	ND<10	62.5

Rank Sum = 750
Rank Mean = 62.5

GWC-7	12/8/2015	47	284
	6/16/2016	46	279
	12/9/2016	46	280
	6/13/2017	52	291
	12/13/2017	46	281
	6/20/2018	49	287
	12/19/2018	51	289
	6/13/2019	48	286
	12/12/2019	49.9	288
	6/25/2020	36.4	245
	12/18/2020	38.8	257
	6/16/2021	36.9	247

Rank Sum = 3314
Rank Mean = 276.167

GWC-15	12/9/2015	94	329
	6/16/2016	61	306
	12/8/2016	60	304
	6/14/2017	120	335
	12/14/2017	99	333
	6/20/2018	98	332
	12/19/2018	58	301
	6/11/2019	60	305
	12/10/2019	42.3	273
	6/25/2020	62.7	308
	12/17/2020	54.7	297
	6/16/2021	69.4	314

Rank Sum = 3737
Rank Mean = 311.417

GWC-23	12/9/2015	ND<10	62.5
	6/16/2016	ND<10	62.5
	12/7/2016	ND<10	62.5
	6/15/2017	ND<10	62.5
	12/12/2017	ND<10	62.5
	6/19/2018	ND<10	62.5
	12/19/2018	ND<10	62.5
	6/13/2019	ND<10	62.5
	12/12/2019	ND<10	62.5
	6/24/2020	ND<10	62.5
	12/17/2020	ND<10	62.5
	6/15/2021	ND<10	62.5

Rank Sum = 750
Rank Mean = 62.5

GWC-23A	12/9/2015	ND<10	62.5
	6/15/2016	20	130
	12/7/2016	ND<10	62.5

Barium

6/15/2017	ND<10	62.5
12/12/2017	ND<10	62.5
6/19/2018	ND<10	62.5
12/19/2018	ND<10	62.5
6/13/2019	ND<10	62.5
12/12/2019	ND<10	62.5
6/24/2020	ND<10	62.5
12/17/2020	ND<10	62.5
6/15/2021	ND<10	62.5

Rank Sum = 817.5
Rank Mean = 68.125

GWC-6	12/9/2015	ND<10	62.5
	6/15/2016	ND<10	62.5
	12/9/2016	ND<10	62.5
	6/13/2017	ND<10	62.5
	12/14/2017	ND<10	62.5
	6/21/2018	37	248
	12/20/2018	ND<10	62.5
	6/13/2019	ND<10	62.5
	12/11/2019	ND<10	62.5
	6/25/2020	ND<10	62.5
	12/18/2020	ND<10	62.5
	6/16/2021	ND<10	62.5

Rank Sum = 935.5
Rank Mean = 77.9583

GWC-9	12/9/2015	52	292
	6/15/2016	80	320
	12/9/2016	67	311
	6/16/2017	58	302
	12/14/2017	54	296
	6/21/2018	73	316
	12/19/2018	53	295
	6/13/2019	80	321
	12/13/2019	67.9	312
	6/25/2020	78.5	319
	12/18/2020	90	327
	6/16/2021	64.3	309

Rank Sum = 3720
Rank Mean = 310

GWC-14	12/10/2015	62	307
	6/15/2016	26	180
	6/21/2018	35	236
	6/12/2019	35	237
	12/11/2019	41.2	270
	6/25/2020	ND<10	62.5
	12/18/2020	72.2	315
	6/16/2021	24	160

Rank Sum = 1767.5
Rank Mean = 220.938

GWC-14A	12/10/2015	200	357
	6/16/2016	200	358
	12/8/2016	220	360
	6/13/2017	210	359
	12/13/2017	180	351
	6/21/2018	190	356
	12/19/2018	180	352
	6/12/2019	170	345

Barium

	12/11/2019	170	346
	6/24/2020	171	348
	12/16/2020	171	349
	6/16/2021	173	350
Rank Sum = 4231			
Rank Mean = 352.583			
<hr/>			
GWC-16A	12/10/2015	260	363
	6/17/2016	29	199
	12/8/2016	35	238
	6/15/2017	170	347
	12/14/2017	29	200
	6/21/2018	34	232
	12/20/2018	24	161
	6/13/2019	26	181
	12/12/2019	26.7	183
	6/23/2020	23.6	157
	12/17/2020	25.2	172
	6/16/2021	24.3	166
Rank Sum = 2599			
Rank Mean = 216.583			
<hr/>			
GWC-18	12/10/2015	140	338
	6/14/2016	250	362
	12/7/2016	180	353
	6/15/2017	180	354
	12/14/2017	150	340
	6/20/2018	280	364
	12/19/2018	140	339
	6/12/2019	230	361
	12/10/2019	181	355
	6/24/2020	168	344
	12/16/2020	160	341
	6/15/2021	165	343
Rank Sum = 4194			
Rank Mean = 349.5			
<hr/>			
GWC-19R	12/10/2015	100	334
	6/16/2016	93	328
	12/7/2016	130	337
	6/15/2017	97	330
	12/14/2017	120	336
	6/20/2018	81	322
	12/19/2018	160	342
	6/12/2019	97	331
	12/10/2019	89.2	326
	6/24/2020	83	325
	12/16/2020	76.5	318
	6/15/2021	82.2	324
Rank Sum = 3953			
Rank Mean = 329.417			
<hr/>			
GWC-2	12/10/2015	ND<10	62.5
	6/15/2016	ND<10	62.5
	12/9/2016	ND<10	62.5
	6/16/2017	ND<10	62.5
	12/14/2017	ND<10	62.5
	6/21/2018	ND<10	62.5
	12/20/2018	ND<10	62.5
	6/13/2019	ND<10	62.5
	12/11/2019	ND<10	62.5

Barium

	6/23/2020	27.5	190
	12/17/2020	ND<10	62.5
	6/16/2021	ND<10	62.5
Rank Sum = 877.5			
Rank Mean = 73.125			
<hr/>			
GWC-22	12/10/2015	24	162
	6/16/2016	25	169
	12/7/2016	23	154
	6/15/2017	28	194
	12/12/2017	ND<10	62.5
	6/20/2018	24	163
	12/19/2018	21	137
	6/13/2019	21	138
	12/12/2019	21.5	139
	6/24/2020	22.1	148
	12/18/2020	20.4	133
	6/15/2021	28	195
Rank Sum = 1794.5			
Rank Mean = 149.542			
<hr/>			
GWC-3	12/10/2015	ND<10	62.5
	6/15/2016	ND<10	62.5
	6/21/2018	ND<10	62.5
	12/18/2018	ND<10	62.5
	6/12/2019	ND<10	62.5
	12/11/2019	ND<10	62.5
	6/25/2020	ND<10	62.5
	12/17/2020	ND<10	62.5
	6/16/2021	ND<10	62.5
Rank Sum = 562.5			
Rank Mean = 62.5			
<hr/>			
GWC-3A	12/10/2015	40	262
	6/15/2016	38	253
	12/9/2016	43	276
	6/16/2017	40	263
	12/13/2017	38	254
	6/21/2018	39	258
	12/18/2018	38	255
	6/12/2019	46	282
	12/11/2019	40.7	266
	6/25/2020	37.1	250
	12/17/2020	31.6	213
	6/15/2021	36.5	246
Rank Sum = 3078			
Rank Mean = 256.5			
<hr/>			
GWC-4	12/10/2015	23	155
	6/17/2016	24	164
	12/8/2016	25	170
	6/21/2018	20	131
	6/24/2020	25.6	174
	12/18/2020	31.5	212
	6/17/2021	24.5	167
Rank Sum = 1173			
Rank Mean = 167.571			
<hr/>			
GWC-4A	12/10/2015	39	259
	6/17/2016	ND<10	62.5
	12/8/2016	59	303

Barium

6/14/2017	33	224
12/13/2017	81	323
6/21/2018	22	144
12/18/2018	25	171
6/12/2019	74	317
12/12/2019	ND<10	62.5
6/24/2020	29.9	202
12/18/2020	30.5	207
6/18/2021	35.7	240

Rank Sum = 2515
Rank Mean = 209.583

GWC-8	12/10/2015	ND<10	62.5
	6/16/2016	22	145
	12/9/2016	22	146
	12/13/2017	23	156
	6/21/2018	ND<10	62.5
	6/13/2019	30	205
	12/12/2019	28.6	196
	6/24/2020	52.4	293
	12/17/2020	33	225
	6/17/2021	42.5	274

Rank Sum = 1765
Rank Mean = 176.5

GWC-8A	12/10/2015	41	269
	6/16/2016	40	264
	12/9/2016	55	298
	6/14/2017	66	310
	12/13/2017	42	272
	6/21/2018	51	290
	12/20/2018	55	299
	6/13/2019	33	226
	12/12/2019	56	300
	6/24/2020	43.9	277
	12/16/2020	46.8	283
	6/17/2021	52.4	294

Rank Sum = 3382
Rank Mean = 281.833

GWC-24	6/14/2016	27	188
	6/15/2017	ND<10	62.5
	6/20/2018	ND<10	62.5
	6/12/2019	20	132
	12/10/2019	27.4	189
	6/25/2020	25.8	175
	6/15/2021	ND<10	62.5

Rank Sum = 871.5
Rank Mean = 124.5

Calculation Results:

Kruskal-Wallis H Statistic = 295.036

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 307.179

95% Confidence comparison value is 43.773 at 30 degrees of freedom

295.036 > 43.773 indicating a significant group difference at 5% significance level

307.179 > 43.773 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

Barium

Mean background rank is 174.188

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	225.667	51.4792	86.5436
GWA-3	69.875	-104.313	86.5436
GWC-10	104.375	-69.8125	86.5436
GWC-10A	214.667	40.4792	86.5436
GWC-11	176.208	2.02083	86.5436
GWC-12	94.6667	-79.5208	86.5436
GWC-12A	62.5	-111.688	86.5436
GWC-13	104.708	-69.4792	86.5436
GWC-17	257.273	83.0852	89.1276
GWC-5	62.5	-111.688	86.5436
GWC-7	276.167	101.979	86.5436
GWC-15	311.417	137.229	86.5436
GWC-23	62.5	-111.688	86.5436
GWC-23A	68.125	-106.063	86.5436
GWC-6	77.9583	-96.2292	86.5436
GWC-9	310	135.813	86.5436
GWC-14	220.938	46.75	99.932
GWC-14A	352.583	178.396	86.5436
GWC-16A	216.583	42.3958	86.5436
GWC-18	349.5	175.313	86.5436
GWC-19R	329.417	155.229	86.5436
GWC-2	73.125	-101.063	86.5436
GWC-22	149.542	-24.6458	86.5436
GWC-3	62.5	-111.688	95.6776
GWC-3A	256.5	82.3125	86.5436
GWC-4	167.571	-6.61607	105.149
GWC-4A	209.583	35.3958	86.5436
GWC-8	176.5	2.3125	92.1327
GWC-8A	281.833	107.646	86.5436
GWC-24	124.5	-49.6875	105.149

Individual Well Comparisons at Groupwise 5% Significance Level (0.166667% Significance Level per comparison)

0.166667% Z score is 3.09024

Mean background rank is 174.188

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	225.667	51.4792	114.962
GWA-3	69.875	-104.313	114.962
GWC-10	104.375	-69.8125	114.962
GWC-10A	214.667	40.4792	114.962
GWC-11	176.208	2.02083	114.962
GWC-12	94.6667	-79.5208	114.962
GWC-12A	62.5	-111.688	114.962
GWC-13	104.708	-69.4792	114.962
GWC-17	257.273	83.0852	118.394
GWC-5	62.5	-111.688	114.962
GWC-7	276.167	101.979	114.962
GWC-15	311.417	137.229	114.962
GWC-23	62.5	-111.688	114.962
GWC-23A	68.125	-106.063	114.962
GWC-6	77.9583	-96.2292	114.962
GWC-9	310	135.813	114.962
GWC-14	220.938	46.75	132.747
GWC-14A	352.583	178.396	114.962
GWC-16A	216.583	42.3958	114.962
GWC-18	349.5	175.313	114.962
GWC-19R	329.417	155.229	114.962
GWC-2	73.125	-101.063	114.962
GWC-22	149.542	-24.6458	114.962

Barium

GWC-3	62.5	-111.688	127.095
GWC-3A	256.5	82.3125	114.962
GWC-4	167.571	-6.61607	139.677
GWC-4A	209.583	35.3958	114.962
GWC-8	176.5	2.3125	122.386
GWC-8A	281.833	107.646	114.962
GWC-24	124.5	-49.6875	139.677

Cobalt

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-2	12/8/2015	ND<20	169.5
	6/14/2016	ND<20	169.5
	12/9/2016	ND<20	169.5
	6/16/2017	ND<20	169.5
	12/12/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/18/2018	ND<20	169.5
	6/12/2019	ND<20	169.5
	12/12/2019	ND<20	169.5
	6/23/2020	ND<20	169.5
	12/18/2020	ND<20	169.5
	6/16/2021	ND<20	169.5

Rank Sum = 2034
 Rank Mean = 169.5

GWA-1	12/9/2015	ND<20	169.5
	6/15/2016	ND<20	169.5
	12/8/2016	ND<20	169.5
	6/14/2017	ND<20	169.5
	12/12/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/18/2018	ND<20	169.5
	6/11/2019	ND<20	169.5
	12/10/2019	ND<20	169.5
	6/24/2020	ND<20	169.5
	12/18/2020	ND<20	169.5
	6/16/2021	ND<20	169.5

Rank Sum = 2034
 Rank Mean = 169.5

Background Rank Sum = 4068
 Background Rank Mean = 169.5

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-1A	12/8/2015	ND<20	169.5
	6/14/2016	ND<20	169.5
	12/7/2016	ND<20	169.5
	6/12/2017	ND<20	169.5
	12/13/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/18/2018	ND<20	169.5
	6/10/2019	ND<20	169.5
	12/9/2019	ND<20	169.5
	6/23/2020	ND<20	169.5
	12/17/2020	ND<20	169.5
	6/17/2021	ND<20	169.5

Rank Sum = 2034
 Rank Mean = 169.5

Cobalt

GWA-3	12/8/2015	ND<20	169.5
	6/14/2016	ND<20	169.5
	12/9/2016	ND<20	169.5
	6/15/2017	ND<20	169.5
	12/12/2017	ND<20	169.5
	6/19/2018	ND<20	169.5
	12/18/2018	ND<20	169.5
	6/12/2019	ND<20	169.5
	12/11/2019	ND<20	169.5
	6/23/2020	ND<20	169.5
	12/17/2020	ND<20	169.5
	6/15/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

GWC-10	12/8/2015	ND<20	169.5
	6/15/2016	ND<20	169.5
	12/9/2016	ND<20	169.5
	6/16/2017	ND<20	169.5
	12/13/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/18/2018	ND<20	169.5
	6/11/2019	ND<20	169.5
	12/13/2019	ND<20	169.5
	6/25/2020	ND<20	169.5
	12/16/2020	ND<20	169.5
	6/16/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

GWC-10A	12/8/2015	ND<20	169.5
	6/15/2016	ND<20	169.5
	12/9/2016	ND<20	169.5
	6/16/2017	ND<20	169.5
	12/13/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/18/2018	ND<20	169.5
	6/11/2019	ND<20	169.5
	12/13/2019	ND<20	169.5
	6/25/2020	ND<20	169.5
	12/16/2020	ND<20	169.5
	6/16/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

GWC-11	12/8/2015	ND<20	169.5
	6/15/2016	ND<20	169.5
	12/8/2016	ND<20	169.5
	6/15/2017	ND<20	169.5
	12/14/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/20/2018	ND<20	169.5
	6/13/2019	ND<20	169.5
	12/13/2019	ND<20	169.5
	6/25/2020	ND<20	169.5
	12/16/2020	ND<20	169.5
	6/16/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

Cobalt

GWC-12	12/8/2015	ND<20	169.5
	6/15/2016	ND<20	169.5
	12/8/2016	ND<20	169.5
	6/15/2017	ND<20	169.5
	12/14/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/20/2018	ND<20	169.5
	6/12/2019	ND<20	169.5
	12/10/2019	ND<20	169.5
	6/25/2020	ND<20	169.5
	12/22/2020	ND<20	169.5
	6/16/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

GWC-12A	12/8/2015	ND<20	169.5
	6/15/2016	ND<20	169.5
	12/8/2016	ND<20	169.5
	6/15/2017	ND<20	169.5
	12/14/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/20/2018	ND<20	169.5
	6/12/2019	ND<20	169.5
	12/10/2019	ND<20	169.5
	6/25/2020	ND<20	169.5
	12/16/2020	ND<20	169.5
	6/16/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

GWC-13	12/8/2015	ND<20	169.5
	6/16/2016	ND<20	169.5
	12/8/2016	ND<20	169.5
	6/15/2017	ND<20	169.5
	12/13/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/20/2018	ND<20	169.5
	6/13/2019	ND<20	169.5
	12/12/2019	ND<20	169.5
	6/24/2020	ND<20	169.5
	12/16/2020	ND<20	169.5
	6/16/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

GWC-17	12/8/2015	ND<20	169.5
	6/14/2016	ND<20	169.5
	6/15/2017	ND<20	169.5
	12/13/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/20/2018	ND<20	169.5
	6/13/2019	ND<20	169.5
	12/11/2019	ND<20	169.5
	6/24/2020	ND<20	169.5
	12/16/2020	ND<20	169.5
	6/15/2021	ND<20	169.5

Rank Sum = 1864.5
Rank Mean = 169.5

GWC-5	12/8/2015	ND<20	169.5
	6/15/2016	ND<20	169.5

Cobalt

12/9/2016	ND<20	169.5
6/13/2017	ND<20	169.5
12/13/2017	ND<20	169.5
6/21/2018	ND<20	169.5
12/19/2018	ND<20	169.5
6/13/2019	ND<20	169.5
12/11/2019	ND<20	169.5
6/24/2020	ND<20	169.5
12/18/2020	ND<20	169.5
6/16/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

GWC-7	12/8/2015	ND<20	169.5
	6/16/2016	ND<20	169.5
	12/9/2016	ND<20	169.5
	6/13/2017	ND<20	169.5
	12/13/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/19/2018	ND<20	169.5
	6/13/2019	ND<20	169.5
	12/12/2019	ND<20	169.5
	6/25/2020	ND<20	169.5
	12/18/2020	ND<20	169.5
	6/16/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

GWC-15	12/9/2015	ND<20	169.5
	6/16/2016	ND<20	169.5
	12/8/2016	ND<20	169.5
	6/14/2017	ND<20	169.5
	12/14/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/19/2018	ND<20	169.5
	6/11/2019	ND<20	169.5
	12/10/2019	ND<20	169.5
	6/25/2020	ND<20	169.5
	12/17/2020	ND<20	169.5
	6/16/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

GWC-23	12/9/2015	ND<20	169.5
	6/16/2016	ND<20	169.5
	12/7/2016	ND<20	169.5
	6/15/2017	ND<20	169.5
	12/12/2017	ND<20	169.5
	6/19/2018	ND<20	169.5
	12/19/2018	ND<20	169.5
	6/13/2019	ND<20	169.5
	12/12/2019	ND<20	169.5
	6/24/2020	ND<20	169.5
	12/17/2020	ND<20	169.5
	6/15/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

GWC-23A	12/9/2015	ND<20	169.5
	6/15/2016	ND<20	169.5
	12/7/2016	ND<20	169.5

Cobalt

6/15/2017	ND<20	169.5
12/12/2017	ND<20	169.5
6/19/2018	ND<20	169.5
12/19/2018	ND<20	169.5
6/13/2019	ND<20	169.5
12/12/2019	ND<20	169.5
6/24/2020	ND<20	169.5
12/17/2020	ND<20	169.5
6/15/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

GWC-6	12/9/2015	ND<20	169.5
	6/15/2016	ND<20	169.5
	12/9/2016	ND<20	169.5
	6/13/2017	ND<20	169.5
	12/14/2017	ND<20	169.5
	6/21/2018	ND<20	169.5
	12/20/2018	ND<20	169.5
	6/13/2019	ND<20	169.5
	12/11/2019	ND<20	169.5
	6/25/2020	ND<20	169.5
	12/18/2020	ND<20	169.5
	6/16/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

GWC-9	12/9/2015	ND<20	169.5
	6/15/2016	50	344
	12/9/2016	ND<20	169.5
	6/16/2017	ND<20	169.5
	12/14/2017	ND<20	169.5
	6/21/2018	ND<20	169.5
	12/19/2018	ND<20	169.5
	6/13/2019	ND<20	169.5
	12/13/2019	ND<20	169.5
	6/25/2020	ND<20	169.5
	12/18/2020	ND<20	169.5
	6/16/2021	ND<20	169.5

Rank Sum = 2208.5
Rank Mean = 184.042

GWC-14	12/10/2015	49	343
	6/15/2016	88	350
	6/21/2018	42	339
	6/12/2019	57	347
	12/11/2019	50.3	345
	6/25/2020	95.1	351
	12/18/2020	55.5	346
	6/16/2021	87.6	349

Rank Sum = 2770
Rank Mean = 346.25

GWC-14A	12/10/2015	520	364
	6/16/2016	490	363
	12/8/2016	380	362
	6/13/2017	370	361
	12/13/2017	280	354
	6/21/2018	310	359
	12/19/2018	290	355
	6/12/2019	330	360

Cobalt

	12/11/2019	228	353
	6/24/2020	301	357
	12/16/2020	298	356
	6/16/2021	306	358
Rank Sum = 4302			
Rank Mean = 358.5			
<hr/>			
GWC-16A	12/10/2015	100	352
	6/17/2016	ND<20	169.5
	12/8/2016	ND<20	169.5
	6/15/2017	81	348
	12/14/2017	ND<20	169.5
	6/21/2018	ND<20	169.5
	12/20/2018	ND<20	169.5
	6/13/2019	ND<20	169.5
	12/12/2019	ND<20	169.5
	6/23/2020	ND<20	169.5
	12/17/2020	ND<20	169.5
	6/16/2021	ND<20	169.5
Rank Sum = 2395			
Rank Mean = 199.583			
<hr/>			
GWC-18	12/10/2015	ND<20	169.5
	6/14/2016	ND<20	169.5
	12/7/2016	ND<20	169.5
	6/15/2017	ND<20	169.5
	12/14/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/19/2018	ND<20	169.5
	6/12/2019	ND<20	169.5
	12/10/2019	ND<20	169.5
	6/24/2020	ND<20	169.5
	12/16/2020	ND<20	169.5
	6/15/2021	ND<20	169.5
Rank Sum = 2034			
Rank Mean = 169.5			
<hr/>			
GWC-19R	12/10/2015	ND<20	169.5
	6/16/2016	47	342
	12/7/2016	ND<20	169.5
	6/15/2017	ND<20	169.5
	12/14/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/19/2018	ND<20	169.5
	6/12/2019	ND<20	169.5
	12/10/2019	ND<20	169.5
	6/24/2020	ND<20	169.5
	12/16/2020	ND<20	169.5
	6/15/2021	45.2	341
Rank Sum = 2378			
Rank Mean = 198.167			
<hr/>			
GWC-2	12/10/2015	ND<20	169.5
	6/15/2016	ND<20	169.5
	12/9/2016	ND<20	169.5
	6/16/2017	ND<20	169.5
	12/14/2017	ND<20	169.5
	6/21/2018	ND<20	169.5
	12/20/2018	ND<20	169.5
	6/13/2019	ND<20	169.5
	12/11/2019	ND<20	169.5

Cobalt

	6/23/2020	ND<20	169.5
	12/17/2020	ND<20	169.5
	6/16/2021	ND<20	169.5
Rank Sum = 2034			
Rank Mean = 169.5			
<hr/>			
GWC-22	12/10/2015	ND<20	169.5
	6/16/2016	ND<20	169.5
	12/7/2016	ND<20	169.5
	6/15/2017	ND<20	169.5
	12/12/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	12/19/2018	ND<20	169.5
	6/13/2019	ND<20	169.5
	12/12/2019	ND<20	169.5
	6/24/2020	ND<20	169.5
	12/18/2020	ND<20	169.5
	6/15/2021	ND<20	169.5
Rank Sum = 2034			
Rank Mean = 169.5			
<hr/>			
GWC-3	12/10/2015	ND<20	169.5
	6/15/2016	ND<20	169.5
	6/21/2018	ND<20	169.5
	12/18/2018	ND<20	169.5
	6/12/2019	ND<20	169.5
	12/11/2019	ND<20	169.5
	6/25/2020	ND<20	169.5
	12/17/2020	ND<20	169.5
	6/16/2021	ND<20	169.5
Rank Sum = 1525.5			
Rank Mean = 169.5			
<hr/>			
GWC-3A	12/10/2015	ND<20	169.5
	6/15/2016	ND<20	169.5
	12/9/2016	ND<20	169.5
	6/16/2017	ND<20	169.5
	12/13/2017	ND<20	169.5
	6/21/2018	ND<20	169.5
	12/18/2018	ND<20	169.5
	6/12/2019	ND<20	169.5
	12/11/2019	ND<20	169.5
	6/25/2020	ND<20	169.5
	12/17/2020	ND<20	169.5
	6/15/2021	ND<20	169.5
Rank Sum = 2034			
Rank Mean = 169.5			
<hr/>			
GWC-4	12/10/2015	ND<20	169.5
	6/17/2016	ND<20	169.5
	12/8/2016	ND<20	169.5
	6/21/2018	ND<20	169.5
	6/24/2020	ND<20	169.5
	12/18/2020	ND<20	169.5
	6/17/2021	ND<20	169.5
Rank Sum = 1186.5			
Rank Mean = 169.5			
<hr/>			
GWC-4A	12/10/2015	ND<20	169.5
	6/17/2016	ND<20	169.5
	12/8/2016	ND<20	169.5

Cobalt

6/14/2017	ND<20	169.5
12/13/2017	ND<20	169.5
6/21/2018	ND<20	169.5
12/18/2018	ND<20	169.5
6/12/2019	ND<20	169.5
12/12/2019	ND<20	169.5
6/24/2020	ND<20	169.5
12/18/2020	ND<20	169.5
6/18/2021	ND<20	169.5

Rank Sum = 2034
Rank Mean = 169.5

GWC-8	12/10/2015	ND<20	169.5
	6/16/2016	ND<20	169.5
	12/9/2016	ND<20	169.5
	12/13/2017	ND<20	169.5
	6/21/2018	ND<20	169.5
	6/13/2019	ND<20	169.5
	12/12/2019	ND<20	169.5
	6/24/2020	ND<20	169.5
	12/17/2020	ND<20	169.5
	6/17/2021	ND<20	169.5

Rank Sum = 1695
Rank Mean = 169.5

GWC-8A	12/10/2015	ND<20	169.5
	6/16/2016	ND<20	169.5
	12/9/2016	44	340
	6/14/2017	ND<20	169.5
	12/13/2017	ND<20	169.5
	6/21/2018	ND<20	169.5
	12/20/2018	ND<20	169.5
	6/13/2019	ND<20	169.5
	12/12/2019	ND<20	169.5
	6/24/2020	ND<20	169.5
	12/16/2020	ND<20	169.5
	6/17/2021	ND<20	169.5

Rank Sum = 2204.5
Rank Mean = 183.708

GWC-24	6/14/2016	ND<20	169.5
	6/15/2017	ND<20	169.5
	6/20/2018	ND<20	169.5
	6/12/2019	ND<20	169.5
	12/10/2019	ND<20	169.5
	6/25/2020	ND<20	169.5
	6/15/2021	ND<20	169.5

Rank Sum = 1186.5
Rank Mean = 169.5

Calculation Results:

Kruskal-Wallis H Statistic = 58.0529

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 291.218

95% Confidence comparison value is 43.773 at 30 degrees of freedom

58.0529 > 43.773 indicating a significant group difference at 5% significance level

291.218 > 43.773 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

Cobalt

Mean background rank is 169.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	169.5	0	86.5436
GWA-3	169.5	0	86.5436
GWC-10	169.5	0	86.5436
GWC-10A	169.5	0	86.5436
GWC-11	169.5	0	86.5436
GWC-12	169.5	0	86.5436
GWC-12A	169.5	0	86.5436
GWC-13	169.5	0	86.5436
GWC-17	169.5	0	89.1276
GWC-5	169.5	0	86.5436
GWC-7	169.5	0	86.5436
GWC-15	169.5	0	86.5436
GWC-23	169.5	0	86.5436
GWC-23A	169.5	0	86.5436
GWC-6	169.5	0	86.5436
GWC-9	184.042	14.5417	86.5436
GWC-14	346.25	176.75	99.932
GWC-14A	358.5	189	86.5436
GWC-16A	199.583	30.0833	86.5436
GWC-18	169.5	0	86.5436
GWC-19R	198.167	28.6667	86.5436
GWC-2	169.5	0	86.5436
GWC-22	169.5	0	86.5436
GWC-3	169.5	0	95.6776
GWC-3A	169.5	0	86.5436
GWC-4	169.5	0	105.149
GWC-4A	169.5	0	86.5436
GWC-8	169.5	0	92.1327
GWC-8A	183.708	14.2083	86.5436
GWC-24	169.5	0	105.149

Individual Well Comparisons at Groupwise 5% Significance Level (0.166667% Significance Level per comparison)

0.166667% Z score is 3.09024

Mean background rank is 169.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	169.5	0	114.962
GWA-3	169.5	0	114.962
GWC-10	169.5	0	114.962
GWC-10A	169.5	0	114.962
GWC-11	169.5	0	114.962
GWC-12	169.5	0	114.962
GWC-12A	169.5	0	114.962
GWC-13	169.5	0	114.962
GWC-17	169.5	0	118.394
GWC-5	169.5	0	114.962
GWC-7	169.5	0	114.962
GWC-15	169.5	0	114.962
GWC-23	169.5	0	114.962
GWC-23A	169.5	0	114.962
GWC-6	169.5	0	114.962
GWC-9	184.042	14.5417	114.962
GWC-14	346.25	176.75	132.747
GWC-14A	358.5	189	114.962
GWC-16A	199.583	30.0833	114.962
GWC-18	169.5	0	114.962
GWC-19R	198.167	28.6667	114.962
GWC-2	169.5	0	114.962
GWC-22	169.5	0	114.962

Cobalt

GWC-3	169.5	0	127.095
GWC-3A	169.5	0	114.962
GWC-4	169.5	0	139.677
GWC-4A	169.5	0	114.962
GWC-8	169.5	0	122.386
GWC-8A	183.708	14.2083	114.962
GWC-24	169.5	0	139.677

Nickel

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-2	12/8/2015	ND<10	174.5
	6/14/2016	ND<10	174.5
	12/9/2016	ND<10	174.5
	6/16/2017	ND<10	174.5
	12/12/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/18/2018	ND<10	174.5
	6/12/2019	ND<10	174.5
	12/12/2019	ND<10	174.5
	6/23/2020	ND<10	174.5
	12/18/2020	ND<10	174.5
6/16/2021	ND<10	174.5	

Rank Sum = 2094

Rank Mean = 174.5

GWA-1	12/9/2015	ND<10	174.5
	6/15/2016	ND<10	174.5
	12/8/2016	ND<10	174.5
	6/14/2017	ND<10	174.5
	12/12/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/18/2018	ND<10	174.5
	6/11/2019	ND<10	174.5
	12/10/2019	ND<10	174.5
	6/24/2020	ND<10	174.5
	12/18/2020	ND<10	174.5
6/16/2021	ND<10	174.5	

Rank Sum = 2094

Rank Mean = 174.5

Background Rank Sum = 4188

Background Rank Mean = 174.5

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-1A	12/8/2015	ND<10	174.5
	6/14/2016	ND<10	174.5
	12/7/2016	ND<10	174.5
	6/12/2017	ND<10	174.5
	12/13/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/18/2018	ND<10	174.5
	6/10/2019	ND<10	174.5
	12/9/2019	ND<10	174.5
	6/23/2020	ND<10	174.5
	12/17/2020	ND<10	174.5
6/17/2021	ND<10	174.5	

Rank Sum = 2094

Rank Mean = 174.5

Nickel

GWA-3	12/8/2015	ND<10	174.5
	6/14/2016	ND<10	174.5
	12/9/2016	ND<10	174.5
	6/15/2017	ND<10	174.5
	12/12/2017	ND<10	174.5
	6/19/2018	ND<10	174.5
	12/18/2018	ND<10	174.5
	6/12/2019	ND<10	174.5
	12/11/2019	ND<10	174.5
	6/23/2020	ND<10	174.5
	12/17/2020	ND<10	174.5
	6/15/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-10	12/8/2015	ND<10	174.5
	6/15/2016	ND<10	174.5
	12/9/2016	ND<10	174.5
	6/16/2017	ND<10	174.5
	12/13/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/18/2018	ND<10	174.5
	6/11/2019	ND<10	174.5
	12/13/2019	ND<10	174.5
	6/25/2020	ND<10	174.5
	12/16/2020	ND<10	174.5
	6/16/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-10A	12/8/2015	ND<10	174.5
	6/15/2016	ND<10	174.5
	12/9/2016	ND<10	174.5
	6/16/2017	ND<10	174.5
	12/13/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/18/2018	ND<10	174.5
	6/11/2019	ND<10	174.5
	12/13/2019	ND<10	174.5
	6/25/2020	ND<10	174.5
	12/16/2020	ND<10	174.5
	6/16/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-11	12/8/2015	ND<10	174.5
	6/15/2016	ND<10	174.5
	12/8/2016	ND<10	174.5
	6/15/2017	ND<10	174.5
	12/14/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/20/2018	ND<10	174.5
	6/13/2019	ND<10	174.5
	12/13/2019	ND<10	174.5
	6/25/2020	ND<10	174.5
	12/16/2020	ND<10	174.5
	6/16/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

Nickel

GWC-12	12/8/2015	ND<10	174.5
	6/15/2016	ND<10	174.5
	12/8/2016	ND<10	174.5
	6/15/2017	ND<10	174.5
	12/14/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/20/2018	ND<10	174.5
	6/12/2019	ND<10	174.5
	12/10/2019	ND<10	174.5
	6/25/2020	ND<10	174.5
	12/22/2020	ND<10	174.5
	6/16/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-12A	12/8/2015	ND<10	174.5
	6/15/2016	ND<10	174.5
	12/8/2016	ND<10	174.5
	6/15/2017	ND<10	174.5
	12/14/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/20/2018	ND<10	174.5
	6/12/2019	ND<10	174.5
	12/10/2019	ND<10	174.5
	6/25/2020	ND<10	174.5
	12/16/2020	ND<10	174.5
	6/16/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-13	12/8/2015	ND<10	174.5
	6/16/2016	ND<10	174.5
	12/8/2016	ND<10	174.5
	6/15/2017	ND<10	174.5
	12/13/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/20/2018	ND<10	174.5
	6/13/2019	ND<10	174.5
	12/12/2019	ND<10	174.5
	6/24/2020	ND<10	174.5
	12/16/2020	ND<10	174.5
	6/16/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-17	12/8/2015	ND<10	174.5
	6/14/2016	ND<10	174.5
	6/15/2017	ND<10	174.5
	12/13/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/20/2018	ND<10	174.5
	6/13/2019	ND<10	174.5
	12/11/2019	ND<10	174.5
	6/24/2020	ND<10	174.5
	12/16/2020	ND<10	174.5
	6/15/2021	ND<10	174.5

Rank Sum = 1919.5
Rank Mean = 174.5

GWC-5	12/8/2015	ND<10	174.5
	6/15/2016	ND<10	174.5

Nickel

12/9/2016	ND<10	174.5
6/13/2017	ND<10	174.5
12/13/2017	ND<10	174.5
6/21/2018	ND<10	174.5
12/19/2018	ND<10	174.5
6/13/2019	ND<10	174.5
12/11/2019	ND<10	174.5
6/24/2020	ND<10	174.5
12/18/2020	ND<10	174.5
6/16/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-7	12/8/2015	ND<10	174.5
	6/16/2016	ND<10	174.5
	12/9/2016	ND<10	174.5
	6/13/2017	ND<10	174.5
	12/13/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/19/2018	ND<10	174.5
	6/13/2019	ND<10	174.5
	12/12/2019	ND<10	174.5
	6/25/2020	ND<10	174.5
	12/18/2020	ND<10	174.5
	6/16/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-15	12/9/2015	ND<10	174.5
	6/16/2016	ND<10	174.5
	12/8/2016	ND<10	174.5
	6/14/2017	ND<10	174.5
	12/14/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/19/2018	ND<10	174.5
	6/11/2019	ND<10	174.5
	12/10/2019	ND<10	174.5
	6/25/2020	ND<10	174.5
	12/17/2020	ND<10	174.5
	6/16/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-23	12/9/2015	ND<10	174.5
	6/16/2016	ND<10	174.5
	12/7/2016	ND<10	174.5
	6/15/2017	ND<10	174.5
	12/12/2017	ND<10	174.5
	6/19/2018	ND<10	174.5
	12/19/2018	ND<10	174.5
	6/13/2019	ND<10	174.5
	12/12/2019	ND<10	174.5
	6/24/2020	ND<10	174.5
	12/17/2020	ND<10	174.5
	6/15/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-23A	12/9/2015	ND<10	174.5
	6/15/2016	ND<10	174.5
	12/7/2016	ND<10	174.5

Nickel

6/15/2017	ND<10	174.5
12/12/2017	ND<10	174.5
6/19/2018	ND<10	174.5
12/19/2018	ND<10	174.5
6/13/2019	ND<10	174.5
12/12/2019	ND<10	174.5
6/24/2020	ND<10	174.5
12/17/2020	ND<10	174.5
6/15/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-6	12/9/2015	ND<10	174.5
	6/15/2016	ND<10	174.5
	12/9/2016	ND<10	174.5
	6/13/2017	ND<10	174.5
	12/14/2017	ND<10	174.5
	6/21/2018	ND<10	174.5
	12/20/2018	ND<10	174.5
	6/13/2019	ND<10	174.5
	12/11/2019	ND<10	174.5
	6/25/2020	ND<10	174.5
	12/18/2020	ND<10	174.5
	6/16/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-9	12/9/2015	ND<10	174.5
	6/15/2016	ND<10	174.5
	12/9/2016	ND<10	174.5
	6/16/2017	ND<10	174.5
	12/14/2017	ND<10	174.5
	6/21/2018	ND<10	174.5
	12/19/2018	ND<10	174.5
	6/13/2019	ND<10	174.5
	12/13/2019	ND<10	174.5
	6/25/2020	ND<10	174.5
	12/18/2020	ND<10	174.5
	6/16/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-14	12/10/2015	ND<10	174.5
	6/15/2016	ND<10	174.5
	6/21/2018	ND<10	174.5
	6/12/2019	ND<10	174.5
	12/11/2019	ND<10	174.5
	6/25/2020	ND<10	174.5
	12/18/2020	ND<10	174.5
	6/16/2021	ND<10	174.5

Rank Sum = 1396
Rank Mean = 174.5

GWC-14A	12/10/2015	28	360
	6/16/2016	28	361
	12/8/2016	27	359
	6/13/2017	24	356
	12/13/2017	21	350
	6/21/2018	24	357
	12/19/2018	20	349
	6/12/2019	21	351

Nickel

12/11/2019	ND<10	174.5
6/24/2020	22.2	353
12/16/2020	23.6	355
6/16/2021	22.2	354

Rank Sum = 4079.5
Rank Mean = 339.958

GWC-16A	12/10/2015	ND<10	174.5
	6/17/2016	ND<10	174.5
	12/8/2016	ND<10	174.5
	6/15/2017	ND<10	174.5
	12/14/2017	ND<10	174.5
	6/21/2018	ND<10	174.5
	12/20/2018	ND<10	174.5
	6/13/2019	ND<10	174.5
	12/12/2019	ND<10	174.5
	6/23/2020	ND<10	174.5
	12/17/2020	ND<10	174.5
	6/16/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-18	12/10/2015	ND<10	174.5
	6/14/2016	ND<10	174.5
	12/7/2016	64	364
	6/15/2017	34	363
	12/14/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/19/2018	ND<10	174.5
	6/12/2019	24	358
	12/10/2019	29.8	362
	6/24/2020	ND<10	174.5
	12/16/2020	ND<10	174.5
	6/15/2021	ND<10	174.5

Rank Sum = 2843
Rank Mean = 236.917

GWC-19R	12/10/2015	ND<10	174.5
	6/16/2016	ND<10	174.5
	12/7/2016	ND<10	174.5
	6/15/2017	ND<10	174.5
	12/14/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/19/2018	ND<10	174.5
	6/12/2019	ND<10	174.5
	12/10/2019	ND<10	174.5
	6/24/2020	ND<10	174.5
	12/16/2020	ND<10	174.5
	6/15/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-2	12/10/2015	ND<10	174.5
	6/15/2016	ND<10	174.5
	12/9/2016	ND<10	174.5
	6/16/2017	ND<10	174.5
	12/14/2017	ND<10	174.5
	6/21/2018	ND<10	174.5
	12/20/2018	ND<10	174.5
	6/13/2019	ND<10	174.5
	12/11/2019	ND<10	174.5

Nickel

6/23/2020	ND<10	174.5
12/17/2020	ND<10	174.5
6/16/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-22	12/10/2015	ND<10	174.5
	6/16/2016	ND<10	174.5
	12/7/2016	ND<10	174.5
	6/15/2017	ND<10	174.5
	12/12/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	12/19/2018	ND<10	174.5
	6/13/2019	ND<10	174.5
	12/12/2019	ND<10	174.5
	6/24/2020	ND<10	174.5
	12/18/2020	ND<10	174.5
	6/15/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-3	12/10/2015	ND<10	174.5
	6/15/2016	ND<10	174.5
	6/21/2018	ND<10	174.5
	12/18/2018	ND<10	174.5
	6/12/2019	ND<10	174.5
	12/11/2019	ND<10	174.5
	6/25/2020	ND<10	174.5
	12/17/2020	ND<10	174.5
	6/16/2021	ND<10	174.5

Rank Sum = 1570.5
Rank Mean = 174.5

GWC-3A	12/10/2015	ND<10	174.5
	6/15/2016	ND<10	174.5
	12/9/2016	ND<10	174.5
	6/16/2017	ND<10	174.5
	12/13/2017	ND<10	174.5
	6/21/2018	ND<10	174.5
	12/18/2018	ND<10	174.5
	6/12/2019	ND<10	174.5
	12/11/2019	ND<10	174.5
	6/25/2020	ND<10	174.5
	12/17/2020	ND<10	174.5
	6/15/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-4	12/10/2015	ND<10	174.5
	6/17/2016	ND<10	174.5
	12/8/2016	ND<10	174.5
	6/21/2018	ND<10	174.5
	6/24/2020	ND<10	174.5
	12/18/2020	ND<10	174.5
	6/17/2021	ND<10	174.5

Rank Sum = 1221.5
Rank Mean = 174.5

GWC-4A	12/10/2015	ND<10	174.5
	6/17/2016	ND<10	174.5
	12/8/2016	ND<10	174.5

Nickel

6/14/2017	ND<10	174.5
12/13/2017	ND<10	174.5
6/21/2018	ND<10	174.5
12/18/2018	ND<10	174.5
6/12/2019	22	352
12/12/2019	ND<10	174.5
6/24/2020	ND<10	174.5
12/18/2020	ND<10	174.5
6/18/2021	ND<10	174.5

Rank Sum = 2271.5
Rank Mean = 189.292

GWC-8	12/10/2015	ND<10	174.5
	6/16/2016	ND<10	174.5
	12/9/2016	ND<10	174.5
	12/13/2017	ND<10	174.5
	6/21/2018	ND<10	174.5
	6/13/2019	ND<10	174.5
	12/12/2019	ND<10	174.5
	6/24/2020	ND<10	174.5
	12/17/2020	ND<10	174.5
	6/17/2021	ND<10	174.5

Rank Sum = 1745
Rank Mean = 174.5

GWC-8A	12/10/2015	ND<10	174.5
	6/16/2016	ND<10	174.5
	12/9/2016	ND<10	174.5
	6/14/2017	ND<10	174.5
	12/13/2017	ND<10	174.5
	6/21/2018	ND<10	174.5
	12/20/2018	ND<10	174.5
	6/13/2019	ND<10	174.5
	12/12/2019	ND<10	174.5
	6/24/2020	ND<10	174.5
	12/16/2020	ND<10	174.5
	6/17/2021	ND<10	174.5

Rank Sum = 2094
Rank Mean = 174.5

GWC-24	6/14/2016	ND<10	174.5
	6/15/2017	ND<10	174.5
	6/20/2018	ND<10	174.5
	6/12/2019	ND<10	174.5
	12/10/2019	ND<10	174.5
	6/25/2020	ND<10	174.5
	6/15/2021	ND<10	174.5

Rank Sum = 1221.5
Rank Mean = 174.5

Calculation Results:

Kruskal-Wallis H Statistic = 32.0274

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 253.869

95% Confidence comparison value is 43.773 at 30 degrees of freedom

32.0274 < 43.773 indicating no significant group difference at 5% significance level

253.869 > 43.773 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

Nickel

Mean background rank is 174.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	174.5	0	86.5436
GWA-3	174.5	0	86.5436
GWC-10	174.5	0	86.5436
GWC-10A	174.5	0	86.5436
GWC-11	174.5	0	86.5436
GWC-12	174.5	0	86.5436
GWC-12A	174.5	0	86.5436
GWC-13	174.5	0	86.5436
GWC-17	174.5	0	89.1276
GWC-5	174.5	0	86.5436
GWC-7	174.5	0	86.5436
GWC-15	174.5	0	86.5436
GWC-23	174.5	0	86.5436
GWC-23A	174.5	0	86.5436
GWC-6	174.5	0	86.5436
GWC-9	174.5	0	86.5436
GWC-14	174.5	0	99.932
GWC-14A	339.958	165.458	86.5436
GWC-16A	174.5	0	86.5436
GWC-18	236.917	62.4167	86.5436
GWC-19R	174.5	0	86.5436
GWC-2	174.5	0	86.5436
GWC-22	174.5	0	86.5436
GWC-3	174.5	0	95.6776
GWC-3A	174.5	0	86.5436
GWC-4	174.5	0	105.149
GWC-4A	189.292	14.7917	86.5436
GWC-8	174.5	0	92.1327
GWC-8A	174.5	0	86.5436
GWC-24	174.5	0	105.149

Individual Well Comparisons at Groupwise 5% Significance Level (0.166667% Significance Level per comparison)

0.166667% Z score is 3.09024

Mean background rank is 174.5

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	174.5	0	114.962
GWA-3	174.5	0	114.962
GWC-10	174.5	0	114.962
GWC-10A	174.5	0	114.962
GWC-11	174.5	0	114.962
GWC-12	174.5	0	114.962
GWC-12A	174.5	0	114.962
GWC-13	174.5	0	114.962
GWC-17	174.5	0	118.394
GWC-5	174.5	0	114.962
GWC-7	174.5	0	114.962
GWC-15	174.5	0	114.962
GWC-23	174.5	0	114.962
GWC-23A	174.5	0	114.962
GWC-6	174.5	0	114.962
GWC-9	174.5	0	114.962
GWC-14	174.5	0	132.747
GWC-14A	339.958	165.458	114.962
GWC-16A	174.5	0	114.962
GWC-18	236.917	62.4167	114.962
GWC-19R	174.5	0	114.962
GWC-2	174.5	0	114.962
GWC-22	174.5	0	114.962

Nickel

GWC-3	174.5	0	127.095
GWC-3A	174.5	0	114.962
GWC-4	174.5	0	139.677
GWC-4A	189.292	14.7917	114.962
GWC-8	174.5	0	122.386
GWC-8A	174.5	0	114.962
GWC-24	174.5	0	139.677

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
GWA-2	12/8/2015	ND<10	129.5
	6/14/2016	20	259
	12/9/2016	ND<10	129.5
	6/16/2017	ND<10	129.5
	12/12/2017	ND<10	129.5
	6/20/2018	ND<10	129.5
	12/18/2018	ND<10	129.5
	6/12/2019	30	310
	12/12/2019	25.9	293
	6/23/2020	ND<10	129.5
	12/18/2020	ND<10	129.5
	6/16/2021	ND<10	129.5

Rank Sum = 2027.5

Rank Mean = 168.958

GWA-1	12/9/2015	31	314
	6/15/2016	31	315
	12/8/2016	20	260
	6/14/2017	23	276
	12/12/2017	38	323
	6/20/2018	48	345
	12/18/2018	44	340
	6/11/2019	42	335
	12/10/2019	30.4	312
	6/24/2020	30.7	313
	12/18/2020	21.1	273
	6/16/2021	21.6	274

Rank Sum = 3680

Rank Mean = 306.667

Background Rank Sum = 5707.5

Background Rank Mean = 237.813

Compliance Locations

Loc. ID	Date	Value	Rank
GWA-1A	12/8/2015	ND<10	129.5
	6/14/2016	ND<10	129.5
	12/7/2016	ND<10	129.5
	6/12/2017	ND<10	129.5
	12/13/2017	24	283
	6/20/2018	ND<10	129.5
	12/18/2018	ND<10	129.5
	6/10/2019	ND<10	129.5
	12/9/2019	ND<10	129.5
	6/23/2020	ND<10	129.5
	12/17/2020	ND<10	129.5
	6/17/2021	ND<10	129.5

Rank Sum = 1707.5

Rank Mean = 142.292

Zinc

GWA-3	12/8/2015	43	338
	6/14/2016	ND<10	129.5
	12/9/2016	ND<10	129.5
	6/15/2017	ND<10	129.5
	12/12/2017	ND<10	129.5
	6/19/2018	41	331
	12/18/2018	ND<10	129.5
	6/12/2019	ND<10	129.5
	12/11/2019	71.5	356
	6/23/2020	20.3	268
	12/17/2020	ND<10	129.5
	6/15/2021	ND<10	129.5

Rank Sum = 2329
Rank Mean = 194.083

GWC-10	12/8/2015	26	294
	6/15/2016	ND<10	129.5
	12/9/2016	23	277
	6/16/2017	ND<10	129.5
	12/13/2017	28	306
	6/20/2018	41	332
	12/18/2018	22	275
	6/11/2019	24	284
	12/13/2019	86.4	361
	6/25/2020	27.9	305
	12/16/2020	ND<10	129.5
	6/16/2021	ND<10	129.5

Rank Sum = 2952
Rank Mean = 246

GWC-10A	12/8/2015	ND<10	129.5
	6/15/2016	ND<10	129.5
	12/9/2016	ND<10	129.5
	6/16/2017	ND<10	129.5
	12/13/2017	ND<10	129.5
	6/20/2018	ND<10	129.5
	12/18/2018	38	324
	6/11/2019	ND<10	129.5
	12/13/2019	31.2	316
	6/25/2020	ND<10	129.5
	12/16/2020	ND<10	129.5
	6/16/2021	ND<10	129.5

Rank Sum = 1935
Rank Mean = 161.25

GWC-11	12/8/2015	ND<10	129.5
	6/15/2016	ND<10	129.5
	12/8/2016	ND<10	129.5
	6/15/2017	ND<10	129.5
	12/14/2017	ND<10	129.5
	6/20/2018	26	295
	12/20/2018	ND<10	129.5
	6/13/2019	34	319
	12/13/2019	23.3	281
	6/25/2020	40	330
	12/16/2020	ND<10	129.5
	6/16/2021	ND<10	129.5

Rank Sum = 2261
Rank Mean = 188.417

Zinc

GWC-12	12/8/2015	ND<10	129.5
	6/15/2016	ND<10	129.5
	12/8/2016	ND<10	129.5
	6/15/2017	ND<10	129.5
	12/14/2017	ND<10	129.5
	6/20/2018	ND<10	129.5
	12/20/2018	ND<10	129.5
	6/12/2019	ND<10	129.5
	12/10/2019	ND<10	129.5
	6/25/2020	ND<10	129.5
	12/22/2020	ND<10	129.5
	6/16/2021	ND<10	129.5

Rank Sum = 1554
Rank Mean = 129.5

GWC-12A	12/8/2015	ND<10	129.5
	6/15/2016	ND<10	129.5
	12/8/2016	20	261
	6/15/2017	ND<10	129.5
	12/14/2017	ND<10	129.5
	6/20/2018	26	296
	12/20/2018	ND<10	129.5
	6/12/2019	ND<10	129.5
	12/10/2019	ND<10	129.5
	6/25/2020	ND<10	129.5
	12/16/2020	ND<10	129.5
	6/16/2021	ND<10	129.5

Rank Sum = 1852
Rank Mean = 154.333

GWC-13	12/8/2015	ND<10	129.5
	6/16/2016	ND<10	129.5
	12/8/2016	ND<10	129.5
	6/15/2017	ND<10	129.5
	12/13/2017	ND<10	129.5
	6/20/2018	ND<10	129.5
	12/20/2018	ND<10	129.5
	6/13/2019	ND<10	129.5
	12/12/2019	23.6	282
	6/24/2020	ND<10	129.5
	12/16/2020	ND<10	129.5
	6/16/2021	ND<10	129.5

Rank Sum = 1706.5
Rank Mean = 142.208

GWC-17	12/8/2015	ND<10	129.5
	6/14/2016	ND<10	129.5
	6/15/2017	20	262
	12/13/2017	ND<10	129.5
	6/20/2018	ND<10	129.5
	12/20/2018	27	301
	6/13/2019	24	285
	12/11/2019	ND<10	129.5
	6/24/2020	ND<10	129.5
	12/16/2020	ND<10	129.5
	6/15/2021	ND<10	129.5

Rank Sum = 1884
Rank Mean = 171.273

GWC-5	12/8/2015	ND<10	129.5
	6/15/2016	ND<10	129.5

Zinc

12/9/2016	ND<10	129.5
6/13/2017	20	263
12/13/2017	ND<10	129.5
6/21/2018	ND<10	129.5
12/19/2018	26	297
6/13/2019	ND<10	129.5
12/11/2019	38.3	327
6/24/2020	ND<10	129.5
12/18/2020	ND<10	129.5
6/16/2021	ND<10	129.5

Rank Sum = 2052.5
Rank Mean = 171.042

GWC-7	12/8/2015	27	302
	6/16/2016	36	322
	12/9/2016	ND<10	129.5
	6/13/2017	20	264
	12/13/2017	ND<10	129.5
	6/20/2018	30	311
	12/19/2018	110	363
	6/13/2019	23	278
	12/12/2019	42.2	337
	6/25/2020	ND<10	129.5
	12/18/2020	ND<10	129.5
	6/16/2021	ND<10	129.5

Rank Sum = 2824.5
Rank Mean = 235.375

GWC-15	12/9/2015	39	329
	6/16/2016	55	349
	12/8/2016	ND<10	129.5
	6/14/2017	90	362
	12/14/2017	60	351
	6/20/2018	56	350
	12/19/2018	ND<10	129.5
	6/11/2019	ND<10	129.5
	12/10/2019	ND<10	129.5
	6/25/2020	ND<10	129.5
	12/17/2020	ND<10	129.5
	6/16/2021	ND<10	129.5

Rank Sum = 2647.5
Rank Mean = 220.625

GWC-23	12/9/2015	ND<10	129.5
	6/16/2016	ND<10	129.5
	12/7/2016	ND<10	129.5
	6/15/2017	ND<10	129.5
	12/12/2017	ND<10	129.5
	6/19/2018	ND<10	129.5
	12/19/2018	ND<10	129.5
	6/13/2019	ND<10	129.5
	12/12/2019	ND<10	129.5
	6/24/2020	ND<10	129.5
	12/17/2020	ND<10	129.5
	6/15/2021	ND<10	129.5

Rank Sum = 1554
Rank Mean = 129.5

GWC-23A	12/9/2015	ND<10	129.5
	6/15/2016	ND<10	129.5
	12/7/2016	ND<10	129.5

Zinc

6/15/2017	ND<10	129.5
12/12/2017	ND<10	129.5
6/19/2018	ND<10	129.5
12/19/2018	ND<10	129.5
6/13/2019	ND<10	129.5
12/12/2019	31.6	317
6/24/2020	ND<10	129.5
12/17/2020	ND<10	129.5
6/15/2021	ND<10	129.5

Rank Sum = 1741.5
Rank Mean = 145.125

GWC-6	12/9/2015	ND<10	129.5
	6/15/2016	ND<10	129.5
	12/9/2016	ND<10	129.5
	6/13/2017	ND<10	129.5
	12/14/2017	ND<10	129.5
	6/21/2018	ND<10	129.5
	12/20/2018	ND<10	129.5
	6/13/2019	ND<10	129.5
	12/11/2019	ND<10	129.5
	6/25/2020	ND<10	129.5
	12/18/2020	ND<10	129.5
	6/16/2021	79	359

Rank Sum = 1783.5
Rank Mean = 148.625

GWC-9	12/9/2015	38	325
	6/15/2016	54	348
	12/9/2016	140	364
	6/16/2017	73	357
	12/14/2017	46	344
	6/21/2018	45	342
	12/19/2018	38	326
	6/13/2019	60	352
	12/13/2019	78	358
	6/25/2020	45.9	343
	12/18/2020	41.9	334
	6/16/2021	41.8	333

Rank Sum = 4126
Rank Mean = 343.833

GWC-14	12/10/2015	68	355
	6/15/2016	20	265
	6/21/2018	67	354
	6/12/2019	ND<10	129.5
	12/11/2019	27.7	303
	6/25/2020	25.3	292
	12/18/2020	ND<10	129.5
	6/16/2021	ND<10	129.5

Rank Sum = 1957.5
Rank Mean = 244.688

GWC-14A	12/10/2015	20	266
	6/16/2016	ND<10	129.5
	12/8/2016	ND<10	129.5
	6/13/2017	ND<10	129.5
	12/13/2017	ND<10	129.5
	6/21/2018	20	267
	12/19/2018	ND<10	129.5
	6/12/2019	ND<10	129.5

Zinc

12/11/2019	ND<10	129.5
6/24/2020	ND<10	129.5
12/16/2020	ND<10	129.5
6/16/2021	ND<10	129.5

Rank Sum = 1828
Rank Mean = 152.333

GWC-16A	12/10/2015	ND<10	129.5
	6/17/2016	ND<10	129.5
	12/8/2016	ND<10	129.5
	6/15/2017	79	360
	12/14/2017	ND<10	129.5
	6/21/2018	44	341
	12/20/2018	ND<10	129.5
	6/13/2019	ND<10	129.5
	12/12/2019	ND<10	129.5
	6/23/2020	ND<10	129.5
	12/17/2020	ND<10	129.5
	6/16/2021	ND<10	129.5

Rank Sum = 1996
Rank Mean = 166.333

GWC-18	12/10/2015	ND<10	129.5
	6/14/2016	ND<10	129.5
	12/7/2016	49	346
	6/15/2017	21	270
	12/14/2017	29	309
	6/20/2018	ND<10	129.5
	12/19/2018	26	298
	6/12/2019	ND<10	129.5
	12/10/2019	38.7	328
	6/24/2020	ND<10	129.5
	12/16/2020	ND<10	129.5
	6/15/2021	ND<10	129.5

Rank Sum = 2457.5
Rank Mean = 204.792

GWC-19R	12/10/2015	ND<10	129.5
	6/16/2016	ND<10	129.5
	12/7/2016	ND<10	129.5
	6/15/2017	ND<10	129.5
	12/14/2017	ND<10	129.5
	6/20/2018	21	271
	12/19/2018	ND<10	129.5
	6/12/2019	ND<10	129.5
	12/10/2019	ND<10	129.5
	6/24/2020	ND<10	129.5
	12/16/2020	ND<10	129.5
	6/15/2021	ND<10	129.5

Rank Sum = 1695.5
Rank Mean = 141.292

GWC-2	12/10/2015	ND<10	129.5
	6/15/2016	ND<10	129.5
	12/9/2016	ND<10	129.5
	6/16/2017	ND<10	129.5
	12/14/2017	ND<10	129.5
	6/21/2018	ND<10	129.5
	12/20/2018	23	279
	6/13/2019	28	307
	12/11/2019	25	288

Zinc

6/23/2020	27.8	304
12/17/2020	ND<10	129.5
6/16/2021	ND<10	129.5

Rank Sum = 2214
Rank Mean = 184.5

GWC-22	12/10/2015	26	299
	6/16/2016	ND<10	129.5
	12/7/2016	ND<10	129.5
	6/15/2017	ND<10	129.5
	12/12/2017	ND<10	129.5
	6/20/2018	21	272
	12/19/2018	ND<10	129.5
	6/13/2019	ND<10	129.5
	12/12/2019	ND<10	129.5
	6/24/2020	ND<10	129.5
	12/18/2020	ND<10	129.5
	6/15/2021	ND<10	129.5

Rank Sum = 1866
Rank Mean = 155.5

GWC-3	12/10/2015	ND<10	129.5
	6/15/2016	25	289
	6/21/2018	ND<10	129.5
	12/18/2018	ND<10	129.5
	6/12/2019	ND<10	129.5
	12/11/2019	ND<10	129.5
	6/25/2020	ND<10	129.5
	12/17/2020	ND<10	129.5
	6/16/2021	ND<10	129.5

Rank Sum = 1325
Rank Mean = 147.222

GWC-3A	12/10/2015	ND<10	129.5
	6/15/2016	ND<10	129.5
	12/9/2016	ND<10	129.5
	6/16/2017	34	320
	12/13/2017	ND<10	129.5
	6/21/2018	ND<10	129.5
	12/18/2018	ND<10	129.5
	6/12/2019	24	286
	12/11/2019	28.8	308
	6/25/2020	33.1	318
	12/17/2020	ND<10	129.5
	6/15/2021	20.6	269

Rank Sum = 2407.5
Rank Mean = 200.625

GWC-4	12/10/2015	62	353
	6/17/2016	ND<10	129.5
	12/8/2016	ND<10	129.5
	6/21/2018	25	290
	6/24/2020	ND<10	129.5
	12/18/2020	ND<10	129.5
	6/17/2021	43.2	339

Rank Sum = 1500
Rank Mean = 214.286

GWC-4A	12/10/2015	ND<10	129.5
	6/17/2016	ND<10	129.5
	12/8/2016	ND<10	129.5

Zinc

6/14/2017	ND<10	129.5
12/13/2017	25	291
6/21/2018	ND<10	129.5
12/18/2018	ND<10	129.5
6/12/2019	23	280
12/12/2019	50	347
6/24/2020	ND<10	129.5
12/18/2020	ND<10	129.5
6/18/2021	ND<10	129.5

Rank Sum = 2083.5
Rank Mean = 173.625

GWC-8	12/10/2015	ND<10	129.5
	6/16/2016	ND<10	129.5
	12/9/2016	26	300
	12/13/2017	ND<10	129.5
	6/21/2018	ND<10	129.5
	6/13/2019	ND<10	129.5
	12/12/2019	ND<10	129.5
	6/24/2020	ND<10	129.5
	12/17/2020	ND<10	129.5
	6/17/2021	ND<10	129.5

Rank Sum = 1465.5
Rank Mean = 146.55

GWC-8A	12/10/2015	ND<10	129.5
	6/16/2016	ND<10	129.5
	12/9/2016	ND<10	129.5
	6/14/2017	ND<10	129.5
	12/13/2017	ND<10	129.5
	6/21/2018	34	321
	12/20/2018	42	336
	6/13/2019	ND<10	129.5
	12/12/2019	ND<10	129.5
	6/24/2020	ND<10	129.5
	12/16/2020	ND<10	129.5
	6/17/2021	ND<10	129.5

Rank Sum = 1952
Rank Mean = 162.667

GWC-24	6/14/2016	ND<10	129.5
	6/15/2017	ND<10	129.5
	6/20/2018	ND<10	129.5
	6/12/2019	ND<10	129.5
	12/10/2019	24	287
	6/25/2020	ND<10	129.5
	6/15/2021	ND<10	129.5

Rank Sum = 1064
Rank Mean = 152

Calculation Results:

Kruskal-Wallis H Statistic = 69.4888

Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 107.916

95% Confidence comparison value is 43.773 at 30 degrees of freedom

69.4888 > 43.773 indicating a significant group difference at 5% significance level

107.916 > 43.773 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

Zinc

Mean background rank is 237.813

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	142.292	-95.5208	86.5436
GWA-3	194.083	-43.7292	86.5436
GWC-10	246	8.1875	86.5436
GWC-10A	161.25	-76.5625	86.5436
GWC-11	188.417	-49.3958	86.5436
GWC-12	129.5	-108.313	86.5436
GWC-12A	154.333	-83.4792	86.5436
GWC-13	142.208	-95.6042	86.5436
GWC-17	171.273	-66.5398	89.1276
GWC-5	171.042	-66.7708	86.5436
GWC-7	235.375	-2.4375	86.5436
GWC-15	220.625	-17.1875	86.5436
GWC-23	129.5	-108.313	86.5436
GWC-23A	145.125	-92.6875	86.5436
GWC-6	148.625	-89.1875	86.5436
GWC-9	343.833	106.021	86.5436
GWC-14	244.688	6.875	99.932
GWC-14A	152.333	-85.4792	86.5436
GWC-16A	166.333	-71.4792	86.5436
GWC-18	204.792	-33.0208	86.5436
GWC-19R	141.292	-96.5208	86.5436
GWC-2	184.5	-53.3125	86.5436
GWC-22	155.5	-82.3125	86.5436
GWC-3	147.222	-90.5903	95.6776
GWC-3A	200.625	-37.1875	86.5436
GWC-4	214.286	-23.5268	105.149
GWC-4A	173.625	-64.1875	86.5436
GWC-8	146.55	-91.2625	92.1327
GWC-8A	162.667	-75.1458	86.5436
GWC-24	152	-85.8125	105.149

Individual Well Comparisons at Groupwise 5% Significance Level (0.166667% Significance Level per comparison)

0.166667% Z score is 3.09024

Mean background rank is 237.813

Well	Mean Rank	Dif from Bkg	Critical Value
GWA-1A	142.292	-95.5208	114.962
GWA-3	194.083	-43.7292	114.962
GWC-10	246	8.1875	114.962
GWC-10A	161.25	-76.5625	114.962
GWC-11	188.417	-49.3958	114.962
GWC-12	129.5	-108.313	114.962
GWC-12A	154.333	-83.4792	114.962
GWC-13	142.208	-95.6042	114.962
GWC-17	171.273	-66.5398	118.394
GWC-5	171.042	-66.7708	114.962
GWC-7	235.375	-2.4375	114.962
GWC-15	220.625	-17.1875	114.962
GWC-23	129.5	-108.313	114.962
GWC-23A	145.125	-92.6875	114.962
GWC-6	148.625	-89.1875	114.962
GWC-9	343.833	106.021	114.962
GWC-14	244.688	6.875	132.747
GWC-14A	152.333	-85.4792	114.962
GWC-16A	166.333	-71.4792	114.962
GWC-18	204.792	-33.0208	114.962
GWC-19R	141.292	-96.5208	114.962
GWC-2	184.5	-53.3125	114.962
GWC-22	155.5	-82.3125	114.962

Zinc

GWC-3	147.222	-90.5903	127.095
GWC-3A	200.625	-37.1875	114.962
GWC-4	214.286	-23.5268	139.677
GWC-4A	173.625	-64.1875	114.962
GWC-8	146.55	-91.2625	122.386
GWC-8A	162.667	-75.1458	114.962
GWC-24	152	-85.8125	139.677

Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
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-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-5	FALSE	1%
1,1-Dichloroethane	GWC-7	FALSE	1%
1,1-Dichloroethane	GWA-1A	FALSE	1%
1,1-Dichloroethane	GWC-17	FALSE	1%
1,1-Dichloroethane	GWC-23	FALSE	1%
1,1-Dichloroethane	GWC-23A	FALSE	1%
1,1-Dichloroethane	GWC-24	FALSE	1%
1,1-Dichloroethane	GWC-6	FALSE	1%
1,1-Dichloroethane	GWC-9	FALSE	1%
1,1-Dichloroethane	GWC-14	FALSE	1%
1,1-Dichloroethane	GWC-14A	TRUE	1%
1,1-Dichloroethane	GWC-15	TRUE	1%
1,1-Dichloroethane	GWC-16A	FALSE	1%
1,1-Dichloroethane	GWC-18	FALSE	1%
1,1-Dichloroethane	GWC-19R	FALSE	1%
1,1-Dichloroethane	GWC-2	FALSE	1%
1,1-Dichloroethane	GWC-22	FALSE	1%
1,1-Dichloroethane	GWC-3	FALSE	1%
1,1-Dichloroethane	GWC-3A	FALSE	1%
1,1-Dichloroethane	GWC-4	FALSE	1%
1,1-Dichloroethane	GWC-4A	FALSE	1%
1,1-Dichloroethane	GWC-14R	TRUE	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	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-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%

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 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
1,1-Dichloroethane	GWC-5	FALSE	0.16%
1,1-Dichloroethane	GWC-7	FALSE	0.16%
1,1-Dichloroethane	GWA-1A	FALSE	0.16%
1,1-Dichloroethane	GWC-17	FALSE	0.16%
1,1-Dichloroethane	GWC-23	FALSE	0.16%
1,1-Dichloroethane	GWC-23A	FALSE	0.16%
1,1-Dichloroethane	GWC-24	FALSE	0.16%
1,1-Dichloroethane	GWC-6	FALSE	0.16%
1,1-Dichloroethane	GWC-9	FALSE	0.16%
1,1-Dichloroethane	GWC-14	FALSE	0.16%
1,1-Dichloroethane	GWC-14A	TRUE	0.16%
1,1-Dichloroethane	GWC-15	TRUE	0.16%
1,1-Dichloroethane	GWC-16A	FALSE	0.16%
1,1-Dichloroethane	GWC-18	FALSE	0.16%
1,1-Dichloroethane	GWC-19R	FALSE	0.16%
1,1-Dichloroethane	GWC-2	FALSE	0.16%
1,1-Dichloroethane	GWC-22	FALSE	0.16%
1,1-Dichloroethane	GWC-3	FALSE	0.16%
1,1-Dichloroethane	GWC-3A	FALSE	0.16%
1,1-Dichloroethane	GWC-4	FALSE	0.16%
1,1-Dichloroethane	GWC-4A	FALSE	0.16%
1,1-Dichloroethane	GWC-14R	TRUE	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%
1,2,3-Trichloropropane	GWA-3	FALSE	5%
1,2,3-Trichloropropane	GWC-10	FALSE	5%
1,2,3-Trichloropropane	GWC-10A	FALSE	5%
1,2,3-Trichloropropane	GWC-11	FALSE	5%
1,2,3-Trichloropropane	GWC-12	FALSE	5%
1,2,3-Trichloropropane	GWC-12A	FALSE	5%
1,2,3-Trichloropropane	GWC-13	FALSE	5%
1,2,3-Trichloropropane	GWC-5	FALSE	5%
1,2,3-Trichloropropane	GWC-7	FALSE	5%
1,2,3-Trichloropropane	GWA-1A	FALSE	5%
1,2,3-Trichloropropane	GWC-17	FALSE	5%
1,2,3-Trichloropropane	GWC-23	FALSE	5%
1,2,3-Trichloropropane	GWC-23A	FALSE	5%
1,2,3-Trichloropropane	GWC-24	FALSE	5%

Notes:

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Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
1,2,3-Trichloropropane	GWC-6	FALSE	5%
1,2,3-Trichloropropane	GWC-9	FALSE	5%
1,2,3-Trichloropropane	GWC-14	FALSE	5%
1,2,3-Trichloropropane	GWC-14A	FALSE	5%
1,2,3-Trichloropropane	GWC-15	FALSE	5%
1,2,3-Trichloropropane	GWC-16A	FALSE	5%
1,2,3-Trichloropropane	GWC-18	FALSE	5%
1,2,3-Trichloropropane	GWC-19R	FALSE	5%
1,2,3-Trichloropropane	GWC-2	FALSE	5%
1,2,3-Trichloropropane	GWC-22	FALSE	5%
1,2,3-Trichloropropane	GWC-3	FALSE	5%
1,2,3-Trichloropropane	GWC-3A	FALSE	5%
1,2,3-Trichloropropane	GWC-4	FALSE	5%
1,2,3-Trichloropropane	GWC-4A	FALSE	5%
1,2,3-Trichloropropane	GWC-14R	FALSE	5%
1,2,3-Trichloropropane	GWC-8	FALSE	5%
1,2,3-Trichloropropane	GWC-8A	FALSE	5%
1,2,3-Trichloropropane	GWC-8R	FALSE	5%
Benzene	GWA-3	FALSE	1%
Benzene	GWC-10	FALSE	1%
Benzene	GWC-10A	FALSE	1%
Benzene	GWC-11	FALSE	1%
Benzene	GWC-12	FALSE	1%
Benzene	GWC-12A	FALSE	1%
Benzene	GWC-13	FALSE	1%
Benzene	GWC-5	FALSE	1%
Benzene	GWC-7	FALSE	1%
Benzene	GWA-1A	FALSE	1%
Benzene	GWC-17	FALSE	1%
Benzene	GWC-23	FALSE	1%
Benzene	GWC-23A	FALSE	1%
Benzene	GWC-24	FALSE	1%
Benzene	GWC-6	FALSE	1%
Benzene	GWC-9	FALSE	1%
Benzene	GWC-14	FALSE	1%
Benzene	GWC-14A	TRUE	1%
Benzene	GWC-15	FALSE	1%
Benzene	GWC-16A	FALSE	1%
Benzene	GWC-18	FALSE	1%

Notes:

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Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2021 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Benzene	GWC-19R	FALSE	1%
Benzene	GWC-2	FALSE	1%
Benzene	GWC-22	FALSE	1%
Benzene	GWC-3	FALSE	1%
Benzene	GWC-3A	FALSE	1%
Benzene	GWC-4	FALSE	1%
Benzene	GWC-4A	FALSE	1%
Benzene	GWC-14R	FALSE	1%
Benzene	GWC-8	FALSE	1%
Benzene	GWC-8A	TRUE	1%
Benzene	GWC-8R	FALSE	1%
Benzene	GWA-3	FALSE	0.16%
Benzene	GWC-10	FALSE	0.16%
Benzene	GWC-10A	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-5	FALSE	0.16%
Benzene	GWC-7	FALSE	0.16%
Benzene	GWA-1A	FALSE	0.16%
Benzene	GWC-17	FALSE	0.16%
Benzene	GWC-23	FALSE	0.16%
Benzene	GWC-23A	FALSE	0.16%
Benzene	GWC-24	FALSE	0.16%
Benzene	GWC-6	FALSE	0.16%
Benzene	GWC-9	FALSE	0.16%
Benzene	GWC-14	FALSE	0.16%
Benzene	GWC-14A	TRUE	0.16%
Benzene	GWC-15	FALSE	0.16%
Benzene	GWC-16A	FALSE	0.16%
Benzene	GWC-18	FALSE	0.16%
Benzene	GWC-19R	FALSE	0.16%
Benzene	GWC-2	FALSE	0.16%
Benzene	GWC-22	FALSE	0.16%
Benzene	GWC-3	FALSE	0.16%
Benzene	GWC-3A	FALSE	0.16%
Benzene	GWC-4	FALSE	0.16%
Benzene	GWC-4A	FALSE	0.16%

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Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Benzene	GWC-14R	FALSE	0.16%
Benzene	GWC-8	FALSE	0.16%
Benzene	GWC-8A	TRUE	0.16%
Benzene	GWC-8R	FALSE	0.16%
Chlorobenzene	GWA-3	FALSE	1%
Chlorobenzene	GWC-10	FALSE	1%
Chlorobenzene	GWC-10A	FALSE	1%
Chlorobenzene	GWC-11	FALSE	1%
Chlorobenzene	GWC-12	FALSE	1%
Chlorobenzene	GWC-12A	FALSE	1%
Chlorobenzene	GWC-13	FALSE	1%
Chlorobenzene	GWC-5	FALSE	1%
Chlorobenzene	GWC-7	FALSE	1%
Chlorobenzene	GWA-1A	FALSE	1%
Chlorobenzene	GWC-17	FALSE	1%
Chlorobenzene	GWC-23	FALSE	1%
Chlorobenzene	GWC-23A	FALSE	1%
Chlorobenzene	GWC-24	FALSE	1%
Chlorobenzene	GWC-6	FALSE	1%
Chlorobenzene	GWC-9	FALSE	1%
Chlorobenzene	GWC-14	FALSE	1%
Chlorobenzene	GWC-14A	FALSE	1%
Chlorobenzene	GWC-15	FALSE	1%
Chlorobenzene	GWC-16A	FALSE	1%
Chlorobenzene	GWC-18	FALSE	1%
Chlorobenzene	GWC-19R	FALSE	1%
Chlorobenzene	GWC-2	FALSE	1%
Chlorobenzene	GWC-22	FALSE	1%
Chlorobenzene	GWC-3	FALSE	1%
Chlorobenzene	GWC-3A	FALSE	1%
Chlorobenzene	GWC-4	FALSE	1%
Chlorobenzene	GWC-4A	FALSE	1%
Chlorobenzene	GWC-14R	FALSE	1%
Chlorobenzene	GWC-8	FALSE	1%
Chlorobenzene	GWC-8A	FALSE	1%
Chlorobenzene	GWC-8R	FALSE	1%
Chlorobenzene	GWA-3	FALSE	0.16%
Chlorobenzene	GWC-10	FALSE	0.16%
Chlorobenzene	GWC-10A	FALSE	0.16%

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Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
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-5	FALSE	0.16%
Chlorobenzene	GWC-7	FALSE	0.16%
Chlorobenzene	GWA-1A	FALSE	0.16%
Chlorobenzene	GWC-17	FALSE	0.16%
Chlorobenzene	GWC-23	FALSE	0.16%
Chlorobenzene	GWC-23A	FALSE	0.16%
Chlorobenzene	GWC-24	FALSE	0.16%
Chlorobenzene	GWC-6	FALSE	0.16%
Chlorobenzene	GWC-9	FALSE	0.16%
Chlorobenzene	GWC-14	FALSE	0.16%
Chlorobenzene	GWC-14A	FALSE	0.16%
Chlorobenzene	GWC-15	FALSE	0.16%
Chlorobenzene	GWC-16A	FALSE	0.16%
Chlorobenzene	GWC-18	FALSE	0.16%
Chlorobenzene	GWC-19R	FALSE	0.16%
Chlorobenzene	GWC-2	FALSE	0.16%
Chlorobenzene	GWC-22	FALSE	0.16%
Chlorobenzene	GWC-3	FALSE	0.16%
Chlorobenzene	GWC-3A	FALSE	0.16%
Chlorobenzene	GWC-4	FALSE	0.16%
Chlorobenzene	GWC-4A	FALSE	0.16%
Chlorobenzene	GWC-14R	FALSE	0.16%
Chlorobenzene	GWC-8	FALSE	0.16%
Chlorobenzene	GWC-8A	FALSE	0.16%
Chlorobenzene	GWC-8R	FALSE	0.16%
Chloroethane	GWA-3	FALSE	1%
Chloroethane	GWC-10	FALSE	1%
Chloroethane	GWC-10A	FALSE	1%
Chloroethane	GWC-11	FALSE	1%
Chloroethane	GWC-12	FALSE	1%
Chloroethane	GWC-12A	FALSE	1%
Chloroethane	GWC-13	FALSE	1%
Chloroethane	GWC-5	FALSE	1%
Chloroethane	GWC-7	FALSE	1%
Chloroethane	GWA-1A	FALSE	1%

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Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2021 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Chloroethane	GWC-17	FALSE	1%
Chloroethane	GWC-23	FALSE	1%
Chloroethane	GWC-23A	FALSE	1%
Chloroethane	GWC-24	FALSE	1%
Chloroethane	GWC-6	FALSE	1%
Chloroethane	GWC-9	FALSE	1%
Chloroethane	GWC-14	FALSE	1%
Chloroethane	GWC-14A	TRUE	1%
Chloroethane	GWC-15	FALSE	1%
Chloroethane	GWC-16A	FALSE	1%
Chloroethane	GWC-18	FALSE	1%
Chloroethane	GWC-19R	FALSE	1%
Chloroethane	GWC-2	FALSE	1%
Chloroethane	GWC-22	FALSE	1%
Chloroethane	GWC-3	FALSE	1%
Chloroethane	GWC-3A	FALSE	1%
Chloroethane	GWC-4	FALSE	1%
Chloroethane	GWC-4A	FALSE	1%
Chloroethane	GWC-14R	FALSE	1%
Chloroethane	GWC-8	FALSE	1%
Chloroethane	GWC-8A	FALSE	1%
Chloroethane	GWC-8R	FALSE	1%
Chloroethane	GWA-3	FALSE	0.16%
Chloroethane	GWC-10	FALSE	0.16%
Chloroethane	GWC-10A	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-5	FALSE	0.16%
Chloroethane	GWC-7	FALSE	0.16%
Chloroethane	GWA-1A	FALSE	0.16%
Chloroethane	GWC-17	FALSE	0.16%
Chloroethane	GWC-23	FALSE	0.16%
Chloroethane	GWC-23A	FALSE	0.16%
Chloroethane	GWC-24	FALSE	0.16%
Chloroethane	GWC-6	FALSE	0.16%
Chloroethane	GWC-9	FALSE	0.16%
Chloroethane	GWC-14	FALSE	0.16%

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Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2021 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Chloroethane	GWC-14A	TRUE	0.16%
Chloroethane	GWC-15	FALSE	0.16%
Chloroethane	GWC-16A	FALSE	0.16%
Chloroethane	GWC-18	FALSE	0.16%
Chloroethane	GWC-19R	FALSE	0.16%
Chloroethane	GWC-2	FALSE	0.16%
Chloroethane	GWC-22	FALSE	0.16%
Chloroethane	GWC-3	FALSE	0.16%
Chloroethane	GWC-3A	FALSE	0.16%
Chloroethane	GWC-4	FALSE	0.16%
Chloroethane	GWC-4A	FALSE	0.16%
Chloroethane	GWC-14R	FALSE	0.16%
Chloroethane	GWC-8	FALSE	0.16%
Chloroethane	GWC-8A	FALSE	0.16%
Chloroethane	GWC-8R	FALSE	0.16%
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-11	FALSE	1%
cis-1,2-Dichloroethene	GWC-12	FALSE	1%
cis-1,2-Dichloroethene	GWC-12A	FALSE	1%
cis-1,2-Dichloroethene	GWC-13	FALSE	1%
cis-1,2-Dichloroethene	GWC-5	FALSE	1%
cis-1,2-Dichloroethene	GWC-7	FALSE	1%
cis-1,2-Dichloroethene	GWA-1A	FALSE	1%
cis-1,2-Dichloroethene	GWC-17	TRUE	1%
cis-1,2-Dichloroethene	GWC-23	FALSE	1%
cis-1,2-Dichloroethene	GWC-23A	FALSE	1%
cis-1,2-Dichloroethene	GWC-24	TRUE	1%
cis-1,2-Dichloroethene	GWC-6	FALSE	1%
cis-1,2-Dichloroethene	GWC-9	FALSE	1%
cis-1,2-Dichloroethene	GWC-14	FALSE	1%
cis-1,2-Dichloroethene	GWC-14A	TRUE	1%
cis-1,2-Dichloroethene	GWC-15	TRUE	1%
cis-1,2-Dichloroethene	GWC-16A	TRUE	1%
cis-1,2-Dichloroethene	GWC-18	TRUE	1%
cis-1,2-Dichloroethene	GWC-19R	TRUE	1%
cis-1,2-Dichloroethene	GWC-2	FALSE	1%
cis-1,2-Dichloroethene	GWC-22	FALSE	1%

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Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
cis-1,2-Dichloroethene	GWC-3	FALSE	1%
cis-1,2-Dichloroethene	GWC-3A	FALSE	1%
cis-1,2-Dichloroethene	GWC-4	FALSE	1%
cis-1,2-Dichloroethene	GWC-4A	FALSE	1%
cis-1,2-Dichloroethene	GWC-14R	TRUE	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	GWA-3	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-10	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-10A	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-5	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-7	FALSE	0.16%
cis-1,2-Dichloroethene	GWA-1A	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-17	TRUE	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-24	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-6	FALSE	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-14A	TRUE	0.16%
cis-1,2-Dichloroethene	GWC-15	TRUE	0.16%
cis-1,2-Dichloroethene	GWC-16A	TRUE	0.16%
cis-1,2-Dichloroethene	GWC-18	TRUE	0.16%
cis-1,2-Dichloroethene	GWC-19R	TRUE	0.16%
cis-1,2-Dichloroethene	GWC-2	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-22	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-4	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-4A	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-14R	TRUE	0.16%
cis-1,2-Dichloroethene	GWC-8	FALSE	0.16%
cis-1,2-Dichloroethene	GWC-8A	TRUE	0.16%

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Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2021 Groundwater Monitoring Event
 Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
cis-1,2-Dichloroethene	GWC-8R	TRUE	0.16%
Tetrachloroethene	GWA-3	FALSE	1%
Tetrachloroethene	GWC-10	FALSE	1%
Tetrachloroethene	GWC-10A	FALSE	1%
Tetrachloroethene	GWC-11	FALSE	1%
Tetrachloroethene	GWC-12	FALSE	1%
Tetrachloroethene	GWC-12A	FALSE	1%
Tetrachloroethene	GWC-13	FALSE	1%
Tetrachloroethene	GWC-5	FALSE	1%
Tetrachloroethene	GWC-7	FALSE	1%
Tetrachloroethene	GWA-1A	FALSE	1%
Tetrachloroethene	GWC-17	FALSE	1%
Tetrachloroethene	GWC-23	FALSE	1%
Tetrachloroethene	GWC-23A	FALSE	1%
Tetrachloroethene	GWC-24	FALSE	1%
Tetrachloroethene	GWC-6	FALSE	1%
Tetrachloroethene	GWC-9	FALSE	1%
Tetrachloroethene	GWC-14	FALSE	1%
Tetrachloroethene	GWC-14A	FALSE	1%
Tetrachloroethene	GWC-15	TRUE	1%
Tetrachloroethene	GWC-16A	FALSE	1%
Tetrachloroethene	GWC-18	TRUE	1%
Tetrachloroethene	GWC-19R	FALSE	1%
Tetrachloroethene	GWC-2	FALSE	1%
Tetrachloroethene	GWC-22	FALSE	1%
Tetrachloroethene	GWC-3	FALSE	1%
Tetrachloroethene	GWC-3A	FALSE	1%
Tetrachloroethene	GWC-4	FALSE	1%
Tetrachloroethene	GWC-4A	FALSE	1%
Tetrachloroethene	GWC-14R	FALSE	1%
Tetrachloroethene	GWC-8	FALSE	1%
Tetrachloroethene	GWC-8A	FALSE	1%
Tetrachloroethene	GWC-8R	FALSE	1%
Tetrachloroethene	GWA-3	FALSE	0.16%
Tetrachloroethene	GWC-10	FALSE	0.16%
Tetrachloroethene	GWC-10A	FALSE	0.16%
Tetrachloroethene	GWC-11	FALSE	0.16%
Tetrachloroethene	GWC-12	FALSE	0.16%
Tetrachloroethene	GWC-12A	FALSE	0.16%

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Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Tetrachloroethene	GWC-13	FALSE	0.16%
Tetrachloroethene	GWC-5	FALSE	0.16%
Tetrachloroethene	GWC-7	FALSE	0.16%
Tetrachloroethene	GWA-1A	FALSE	0.16%
Tetrachloroethene	GWC-17	FALSE	0.16%
Tetrachloroethene	GWC-23	FALSE	0.16%
Tetrachloroethene	GWC-23A	FALSE	0.16%
Tetrachloroethene	GWC-24	FALSE	0.16%
Tetrachloroethene	GWC-6	FALSE	0.16%
Tetrachloroethene	GWC-9	FALSE	0.16%
Tetrachloroethene	GWC-14	FALSE	0.16%
Tetrachloroethene	GWC-14A	FALSE	0.16%
Tetrachloroethene	GWC-15	TRUE	0.16%
Tetrachloroethene	GWC-16A	FALSE	0.16%
Tetrachloroethene	GWC-18	TRUE	0.16%
Tetrachloroethene	GWC-19R	FALSE	0.16%
Tetrachloroethene	GWC-2	FALSE	0.16%
Tetrachloroethene	GWC-22	FALSE	0.16%
Tetrachloroethene	GWC-3	FALSE	0.16%
Tetrachloroethene	GWC-3A	FALSE	0.16%
Tetrachloroethene	GWC-4	FALSE	0.16%
Tetrachloroethene	GWC-4A	FALSE	0.16%
Tetrachloroethene	GWC-14R	FALSE	0.16%
Tetrachloroethene	GWC-8	FALSE	0.16%
Tetrachloroethene	GWC-8A	FALSE	0.16%
Tetrachloroethene	GWC-8R	FALSE	0.16%
Trichloroethene	GWA-3	FALSE	1%
Trichloroethene	GWC-10	FALSE	1%
Trichloroethene	GWC-10A	FALSE	1%
Trichloroethene	GWC-11	FALSE	1%
Trichloroethene	GWC-12	FALSE	1%
Trichloroethene	GWC-12A	FALSE	1%
Trichloroethene	GWC-13	FALSE	1%
Trichloroethene	GWC-5	FALSE	1%
Trichloroethene	GWC-7	FALSE	1%
Trichloroethene	GWA-1A	FALSE	1%
Trichloroethene	GWC-17	FALSE	1%
Trichloroethene	GWC-23	FALSE	1%
Trichloroethene	GWC-23A	FALSE	1%

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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 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Trichloroethene	GWC-24	FALSE	1%
Trichloroethene	GWC-6	FALSE	1%
Trichloroethene	GWC-9	FALSE	1%
Trichloroethene	GWC-14	FALSE	1%
Trichloroethene	GWC-14A	TRUE	1%
Trichloroethene	GWC-15	TRUE	1%
Trichloroethene	GWC-16A	FALSE	1%
Trichloroethene	GWC-18	FALSE	1%
Trichloroethene	GWC-19R	FALSE	1%
Trichloroethene	GWC-2	FALSE	1%
Trichloroethene	GWC-22	FALSE	1%
Trichloroethene	GWC-3	FALSE	1%
Trichloroethene	GWC-3A	FALSE	1%
Trichloroethene	GWC-4	FALSE	1%
Trichloroethene	GWC-4A	FALSE	1%
Trichloroethene	GWC-14R	TRUE	1%
Trichloroethene	GWC-8	FALSE	1%
Trichloroethene	GWC-8A	FALSE	1%
Trichloroethene	GWC-8R	FALSE	1%
Trichloroethene	GWA-3	FALSE	0.16%
Trichloroethene	GWC-10	FALSE	0.16%
Trichloroethene	GWC-10A	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-5	FALSE	0.16%
Trichloroethene	GWC-7	FALSE	0.16%
Trichloroethene	GWA-1A	FALSE	0.16%
Trichloroethene	GWC-17	FALSE	0.16%
Trichloroethene	GWC-23	FALSE	0.16%
Trichloroethene	GWC-23A	FALSE	0.16%
Trichloroethene	GWC-24	FALSE	0.16%
Trichloroethene	GWC-6	FALSE	0.16%
Trichloroethene	GWC-9	FALSE	0.16%
Trichloroethene	GWC-14	FALSE	0.16%
Trichloroethene	GWC-14A	TRUE	0.16%
Trichloroethene	GWC-15	TRUE	0.16%
Trichloroethene	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 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Trichloroethene	GWC-18	FALSE	0.16%
Trichloroethene	GWC-19R	FALSE	0.16%
Trichloroethene	GWC-2	FALSE	0.16%
Trichloroethene	GWC-22	FALSE	0.16%
Trichloroethene	GWC-3	FALSE	0.16%
Trichloroethene	GWC-3A	FALSE	0.16%
Trichloroethene	GWC-4	FALSE	0.16%
Trichloroethene	GWC-4A	FALSE	0.16%
Trichloroethene	GWC-14R	TRUE	0.16%
Trichloroethene	GWC-8	FALSE	0.16%
Trichloroethene	GWC-8A	FALSE	0.16%
Trichloroethene	GWC-8R	FALSE	0.16%
Vinyl chloride	GWA-3	FALSE	1%
Vinyl chloride	GWC-10	FALSE	1%
Vinyl chloride	GWC-10A	FALSE	1%
Vinyl chloride	GWC-11	FALSE	1%
Vinyl chloride	GWC-12	FALSE	1%
Vinyl chloride	GWC-12A	FALSE	1%
Vinyl chloride	GWC-13	FALSE	1%
Vinyl chloride	GWC-5	FALSE	1%
Vinyl chloride	GWC-7	FALSE	1%
Vinyl chloride	GWA-1A	FALSE	1%
Vinyl chloride	GWC-17	FALSE	1%
Vinyl chloride	GWC-23	FALSE	1%
Vinyl chloride	GWC-23A	FALSE	1%
Vinyl chloride	GWC-24	FALSE	1%
Vinyl chloride	GWC-6	FALSE	1%
Vinyl chloride	GWC-9	FALSE	1%
Vinyl chloride	GWC-14	FALSE	1%
Vinyl chloride	GWC-14A	TRUE	1%
Vinyl chloride	GWC-15	FALSE	1%
Vinyl chloride	GWC-16A	FALSE	1%
Vinyl chloride	GWC-18	FALSE	1%
Vinyl chloride	GWC-19R	FALSE	1%
Vinyl chloride	GWC-2	FALSE	1%
Vinyl chloride	GWC-22	FALSE	1%
Vinyl chloride	GWC-3	FALSE	1%
Vinyl chloride	GWC-3A	FALSE	1%
Vinyl chloride	GWC-4	FALSE	1%

Notes:

1. Original data are not transformed.
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3. K-W detects are screened for false positives with NPTI.
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Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Vinyl chloride	GWC-4A	FALSE	1%
Vinyl chloride	GWC-14R	FALSE	1%
Vinyl chloride	GWC-8	FALSE	1%
Vinyl chloride	GWC-8A	FALSE	1%
Vinyl chloride	GWC-8R	FALSE	1%
Vinyl chloride	GWA-3	FALSE	0.16%
Vinyl chloride	GWC-10	FALSE	0.16%
Vinyl chloride	GWC-10A	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-5	FALSE	0.16%
Vinyl chloride	GWC-7	FALSE	0.16%
Vinyl chloride	GWA-1A	FALSE	0.16%
Vinyl chloride	GWC-17	FALSE	0.16%
Vinyl chloride	GWC-23	FALSE	0.16%
Vinyl chloride	GWC-23A	FALSE	0.16%
Vinyl chloride	GWC-24	FALSE	0.16%
Vinyl chloride	GWC-6	FALSE	0.16%
Vinyl chloride	GWC-9	FALSE	0.16%
Vinyl chloride	GWC-14	FALSE	0.16%
Vinyl chloride	GWC-14A	TRUE	0.16%
Vinyl chloride	GWC-15	FALSE	0.16%
Vinyl chloride	GWC-16A	FALSE	0.16%
Vinyl chloride	GWC-18	FALSE	0.16%
Vinyl chloride	GWC-19R	FALSE	0.16%
Vinyl chloride	GWC-2	FALSE	0.16%
Vinyl chloride	GWC-22	FALSE	0.16%
Vinyl chloride	GWC-3	FALSE	0.16%
Vinyl chloride	GWC-3A	FALSE	0.16%
Vinyl chloride	GWC-4	FALSE	0.16%
Vinyl chloride	GWC-4A	FALSE	0.16%
Vinyl chloride	GWC-14R	FALSE	0.16%
Vinyl chloride	GWC-8	FALSE	0.16%
Vinyl chloride	GWC-8A	FALSE	0.16%
Vinyl chloride	GWC-8R	FALSE	0.16%
Barium	GWA-1A	FALSE	1%
Barium	GWA-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 NPTI.
4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Barium	GWC-10	FALSE	1%
Barium	GWC-10A	FALSE	1%
Barium	GWC-11	FALSE	1%
Barium	GWC-12	FALSE	1%
Barium	GWC-12A	FALSE	1%
Barium	GWC-13	FALSE	1%
Barium	GWC-17	FALSE	1%
Barium	GWC-5	FALSE	1%
Barium	GWC-7	TRUE	1%
Barium	GWC-15	TRUE	1%
Barium	GWC-23	FALSE	1%
Barium	GWC-23A	FALSE	1%
Barium	GWC-6	FALSE	1%
Barium	GWC-9	TRUE	1%
Barium	GWC-14	FALSE	1%
Barium	GWC-14A	TRUE	1%
Barium	GWC-16A	FALSE	1%
Barium	GWC-18	TRUE	1%
Barium	GWC-19R	TRUE	1%
Barium	GWC-2	FALSE	1%
Barium	GWC-22	FALSE	1%
Barium	GWC-3	FALSE	1%
Barium	GWC-3A	FALSE	1%
Barium	GWC-4	FALSE	1%
Barium	GWC-4A	FALSE	1%
Barium	GWC-8	FALSE	1%
Barium	GWC-8A	TRUE	1%
Barium	GWC-24	FALSE	1%
Barium	GWA-1A	FALSE	0.17%
Barium	GWA-3	FALSE	0.17%
Barium	GWC-10	FALSE	0.17%
Barium	GWC-10A	FALSE	0.17%
Barium	GWC-11	FALSE	0.17%
Barium	GWC-12	FALSE	0.17%
Barium	GWC-12A	FALSE	0.17%
Barium	GWC-13	FALSE	0.17%
Barium	GWC-17	FALSE	0.17%
Barium	GWC-5	FALSE	0.17%
Barium	GWC-7	FALSE	0.17%

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 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Barium	GWC-15	TRUE	0.17%
Barium	GWC-23	FALSE	0.17%
Barium	GWC-23A	FALSE	0.17%
Barium	GWC-6	FALSE	0.17%
Barium	GWC-9	TRUE	0.17%
Barium	GWC-14	FALSE	0.17%
Barium	GWC-14A	TRUE	0.17%
Barium	GWC-16A	FALSE	0.17%
Barium	GWC-18	TRUE	0.17%
Barium	GWC-19R	TRUE	0.17%
Barium	GWC-2	FALSE	0.17%
Barium	GWC-22	FALSE	0.17%
Barium	GWC-3	FALSE	0.17%
Barium	GWC-3A	FALSE	0.17%
Barium	GWC-4	FALSE	0.17%
Barium	GWC-4A	FALSE	0.17%
Barium	GWC-8	FALSE	0.17%
Barium	GWC-8A	FALSE	0.17%
Barium	GWC-24	FALSE	0.17%
Cobalt	GWA-1A	FALSE	1%
Cobalt	GWA-3	FALSE	1%
Cobalt	GWC-10	FALSE	1%
Cobalt	GWC-10A	FALSE	1%
Cobalt	GWC-11	FALSE	1%
Cobalt	GWC-12	FALSE	1%
Cobalt	GWC-12A	FALSE	1%
Cobalt	GWC-13	FALSE	1%
Cobalt	GWC-17	FALSE	1%
Cobalt	GWC-5	FALSE	1%
Cobalt	GWC-7	FALSE	1%
Cobalt	GWC-15	FALSE	1%
Cobalt	GWC-23	FALSE	1%
Cobalt	GWC-23A	FALSE	1%
Cobalt	GWC-6	FALSE	1%
Cobalt	GWC-9	FALSE	1%
Cobalt	GWC-14	TRUE	1%
Cobalt	GWC-14A	TRUE	1%
Cobalt	GWC-16A	FALSE	1%
Cobalt	GWC-18	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 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Cobalt	GWC-19R	FALSE	1%
Cobalt	GWC-2	FALSE	1%
Cobalt	GWC-22	FALSE	1%
Cobalt	GWC-3	FALSE	1%
Cobalt	GWC-3A	FALSE	1%
Cobalt	GWC-4	FALSE	1%
Cobalt	GWC-4A	FALSE	1%
Cobalt	GWC-8	FALSE	1%
Cobalt	GWC-8A	FALSE	1%
Cobalt	GWC-24	FALSE	1%
Cobalt	GWA-1A	FALSE	0.17%
Cobalt	GWA-3	FALSE	0.17%
Cobalt	GWC-10	FALSE	0.17%
Cobalt	GWC-10A	FALSE	0.17%
Cobalt	GWC-11	FALSE	0.17%
Cobalt	GWC-12	FALSE	0.17%
Cobalt	GWC-12A	FALSE	0.17%
Cobalt	GWC-13	FALSE	0.17%
Cobalt	GWC-17	FALSE	0.17%
Cobalt	GWC-5	FALSE	0.17%
Cobalt	GWC-7	FALSE	0.17%
Cobalt	GWC-15	FALSE	0.17%
Cobalt	GWC-23	FALSE	0.17%
Cobalt	GWC-23A	FALSE	0.17%
Cobalt	GWC-6	FALSE	0.17%
Cobalt	GWC-9	FALSE	0.17%
Cobalt	GWC-14	TRUE	0.17%
Cobalt	GWC-14A	TRUE	0.17%
Cobalt	GWC-16A	FALSE	0.17%
Cobalt	GWC-18	FALSE	0.17%
Cobalt	GWC-19R	FALSE	0.17%
Cobalt	GWC-2	FALSE	0.17%
Cobalt	GWC-22	FALSE	0.17%
Cobalt	GWC-3	FALSE	0.17%
Cobalt	GWC-3A	FALSE	0.17%
Cobalt	GWC-4	FALSE	0.17%
Cobalt	GWC-4A	FALSE	0.17%
Cobalt	GWC-8	FALSE	0.17%
Cobalt	GWC-8A	FALSE	0.17%

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 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Cobalt	GWC-24	FALSE	0.17%
Nickel	GWA-1A	FALSE	1%
Nickel	GWA-3	FALSE	1%
Nickel	GWC-10	FALSE	1%
Nickel	GWC-10A	FALSE	1%
Nickel	GWC-11	FALSE	1%
Nickel	GWC-12	FALSE	1%
Nickel	GWC-12A	FALSE	1%
Nickel	GWC-13	FALSE	1%
Nickel	GWC-17	FALSE	1%
Nickel	GWC-5	FALSE	1%
Nickel	GWC-7	FALSE	1%
Nickel	GWC-15	FALSE	1%
Nickel	GWC-23	FALSE	1%
Nickel	GWC-23A	FALSE	1%
Nickel	GWC-6	FALSE	1%
Nickel	GWC-9	FALSE	1%
Nickel	GWC-14	FALSE	1%
Nickel	GWC-14A	TRUE	1%
Nickel	GWC-16A	FALSE	1%
Nickel	GWC-18	FALSE	1%
Nickel	GWC-19R	FALSE	1%
Nickel	GWC-2	FALSE	1%
Nickel	GWC-22	FALSE	1%
Nickel	GWC-3	FALSE	1%
Nickel	GWC-3A	FALSE	1%
Nickel	GWC-4	FALSE	1%
Nickel	GWC-4A	FALSE	1%
Nickel	GWC-8	FALSE	1%
Nickel	GWC-8A	FALSE	1%
Nickel	GWC-24	FALSE	1%
Nickel	GWA-1A	FALSE	0.17%
Nickel	GWA-3	FALSE	0.17%
Nickel	GWC-10	FALSE	0.17%
Nickel	GWC-10A	FALSE	0.17%
Nickel	GWC-11	FALSE	0.17%
Nickel	GWC-12	FALSE	0.17%
Nickel	GWC-12A	FALSE	0.17%
Nickel	GWC-13	FALSE	0.17%

Notes:

1. Original data are not transformed.
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4. Non-detects are replaced with 1/2 the detection limit.

Forsyth County - Hightower Road MSWLF - Phases II-IV
First 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Nickel	GWC-17	FALSE	0.17%
Nickel	GWC-5	FALSE	0.17%
Nickel	GWC-7	FALSE	0.17%
Nickel	GWC-15	FALSE	0.17%
Nickel	GWC-23	FALSE	0.17%
Nickel	GWC-23A	FALSE	0.17%
Nickel	GWC-6	FALSE	0.17%
Nickel	GWC-9	FALSE	0.17%
Nickel	GWC-14	FALSE	0.17%
Nickel	GWC-14A	TRUE	0.17%
Nickel	GWC-16A	FALSE	0.17%
Nickel	GWC-18	FALSE	0.17%
Nickel	GWC-19R	FALSE	0.17%
Nickel	GWC-2	FALSE	0.17%
Nickel	GWC-22	FALSE	0.17%
Nickel	GWC-3	FALSE	0.17%
Nickel	GWC-3A	FALSE	0.17%
Nickel	GWC-4	FALSE	0.17%
Nickel	GWC-4A	FALSE	0.17%
Nickel	GWC-8	FALSE	0.17%
Nickel	GWC-8A	FALSE	0.17%
Nickel	GWC-24	FALSE	0.17%
Zinc	GWA-1A	FALSE	1%
Zinc	GWA-3	FALSE	1%
Zinc	GWC-10	FALSE	1%
Zinc	GWC-10A	FALSE	1%
Zinc	GWC-11	FALSE	1%
Zinc	GWC-12	FALSE	1%
Zinc	GWC-12A	FALSE	1%
Zinc	GWC-13	FALSE	1%
Zinc	GWC-17	FALSE	1%
Zinc	GWC-5	FALSE	1%
Zinc	GWC-7	FALSE	1%
Zinc	GWC-15	FALSE	1%
Zinc	GWC-23	FALSE	1%
Zinc	GWC-23A	FALSE	1%
Zinc	GWC-6	FALSE	1%
Zinc	GWC-9	TRUE	1%
Zinc	GWC-14	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 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Zinc	GWC-14A	FALSE	1%
Zinc	GWC-16A	FALSE	1%
Zinc	GWC-18	FALSE	1%
Zinc	GWC-19R	FALSE	1%
Zinc	GWC-2	FALSE	1%
Zinc	GWC-22	FALSE	1%
Zinc	GWC-3	FALSE	1%
Zinc	GWC-3A	FALSE	1%
Zinc	GWC-4	FALSE	1%
Zinc	GWC-4A	FALSE	1%
Zinc	GWC-8	FALSE	1%
Zinc	GWC-8A	FALSE	1%
Zinc	GWC-24	FALSE	1%
Zinc	GWA-1A	FALSE	0.17%
Zinc	GWA-3	FALSE	0.17%
Zinc	GWC-10	FALSE	0.17%
Zinc	GWC-10A	FALSE	0.17%
Zinc	GWC-11	FALSE	0.17%
Zinc	GWC-12	FALSE	0.17%
Zinc	GWC-12A	FALSE	0.17%
Zinc	GWC-13	FALSE	0.17%
Zinc	GWC-17	FALSE	0.17%
Zinc	GWC-5	FALSE	0.17%
Zinc	GWC-7	FALSE	0.17%
Zinc	GWC-15	FALSE	0.17%
Zinc	GWC-23	FALSE	0.17%
Zinc	GWC-23A	FALSE	0.17%
Zinc	GWC-6	FALSE	0.17%
Zinc	GWC-9	FALSE	0.17%
Zinc	GWC-14	FALSE	0.17%
Zinc	GWC-14A	FALSE	0.17%
Zinc	GWC-16A	FALSE	0.17%
Zinc	GWC-18	FALSE	0.17%
Zinc	GWC-19R	FALSE	0.17%
Zinc	GWC-2	FALSE	0.17%
Zinc	GWC-22	FALSE	0.17%
Zinc	GWC-3	FALSE	0.17%
Zinc	GWC-3A	FALSE	0.17%
Zinc	GWC-4	FALSE	0.17%

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 2021 Groundwater Monitoring Event
Kruskal-Wallis Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Zinc	GWC-4A	FALSE	0.17%
Zinc	GWC-8	FALSE	0.17%
Zinc	GWC-8A	FALSE	0.17%
Zinc	GWC-24	FALSE	0.17%

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.

**STATISTICAL ANALYSIS:
Non-Parametric Tolerance Interval Test**

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 = 78.0645%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
PH1-GWB-1	12/7/2015	ND<2	FALSE
PH1-GWB-1	6/13/2016	ND<2	FALSE
PH1-GWB-1	12/7/2016	ND<2	FALSE
PH1-GWB-1	6/15/2017	ND<2	FALSE
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
<hr/>			
PH1-GWC-4	12/7/2015	ND<2	FALSE
PH1-GWC-4	6/13/2016	ND<2	FALSE
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
<hr/>			
PH1-GWA-1	12/8/2015	ND<2	FALSE
PH1-GWA-1	6/14/2016	ND<2	FALSE
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
<hr/>			
PH1-GWA-1A	12/8/2015	ND<2	FALSE
PH1-GWA-1A	6/14/2016	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

1,1-Dichloroethane

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
<hr/>			
PH1-GWA-2	12/8/2015	ND<2	FALSE
PH1-GWA-2	6/13/2016	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
<hr/>			
PH1-GWB-2	12/8/2015	ND<2	FALSE
PH1-GWB-2	6/13/2016	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
<hr/>			
PH1-GWC-1	12/8/2015	ND<2	FALSE
PH1-GWC-1	6/15/2016	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
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
<hr/>			
PH1-GWC-2	12/8/2015	3.7	TRUE
PH1-GWC-2	6/14/2016	3.1	TRUE
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

1,1-Dichloroethane

PH1-GWC-2 6/17/2021 3 TRUE

GWC-1	12/9/2015	ND<2	FALSE
GWC-1	6/14/2016	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

PH1-GWC-3	12/9/2015	2.7	TRUE
PH1-GWC-3	6/16/2016	3.3	TRUE
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-3A	12/9/2015	2.6	TRUE
PH1-GWC-3A	6/16/2016	2.7	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

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-GWB-1	12/8/2015	75	TRUE
PH1-GWB-1	6/14/2016	84	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-GWC-2	12/8/2015	ND<20	FALSE
PH1-GWC-2	6/14/2016	ND<20	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-4	12/8/2015	36	FALSE
PH1-GWC-4	6/14/2016	41	TRUE
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-GWA-1	12/9/2015	ND<20	FALSE
PH1-GWA-1	6/15/2016	21	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

Barium

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
<hr/>			
PH1-GWA-1A	12/9/2015	30	FALSE
PH1-GWA-1A	6/14/2016	37	FALSE
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
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PH1-GWA-2	12/9/2015	74	TRUE
PH1-GWA-2	6/14/2016	85	TRUE
PH1-GWA-2	12/8/2016	110	TRUE
PH1-GWA-2	6/16/2017	80	TRUE
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
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PH1-GWB-2	12/9/2015	29	FALSE
PH1-GWB-2	6/14/2016	28	FALSE
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
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PH1-GWC-1	12/9/2015	41	TRUE
PH1-GWC-1	6/16/2016	54	TRUE
PH1-GWC-1	12/9/2016	70	TRUE
PH1-GWC-1	6/16/2017	40	TRUE
PH1-GWC-1	12/12/2017	38	TRUE
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

Barium

PH1-GWC-1	6/17/2021	42.1	TRUE
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GWC-1	12/10/2015	89	TRUE
GWC-1	6/15/2016	92	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
<hr/>			
PH1-GWC-3	12/10/2015	25	FALSE
PH1-GWC-3	6/17/2016	24	FALSE
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
<hr/>			
PH1-GWC-3A	12/10/2015	26	FALSE
PH1-GWC-3A	6/17/2016	29	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

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-GWB-1	12/7/2015	ND<2	FALSE
PH1-GWB-1	6/13/2016	ND<2	FALSE
PH1-GWB-1	12/7/2016	ND<2	FALSE
PH1-GWB-1	6/15/2017	ND<2	FALSE
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-GWC-4	12/7/2015	ND<2	FALSE
PH1-GWC-4	6/13/2016	ND<2	FALSE
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-GWA-1	12/8/2015	8	TRUE
PH1-GWA-1	6/14/2016	8.3	TRUE
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-1A	12/8/2015	ND<2	FALSE
PH1-GWA-1A	6/14/2016	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

cis-1,2-Dichloroethene

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-2	12/8/2015	21	TRUE
PH1-GWA-2	6/13/2016	32	TRUE
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-GWB-2	12/8/2015	ND<2	FALSE
PH1-GWB-2	6/13/2016	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-GWC-1	12/8/2015	ND<2	FALSE
PH1-GWC-1	6/15/2016	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
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-2	12/8/2015	2.5	TRUE
PH1-GWC-2	6/14/2016	2.2	TRUE
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

cis-1,2-Dichloroethene

PH1-GWC-2 6/17/2021 7 TRUE

GWC-1 12/9/2015 ND<2 FALSE
GWC-1 6/14/2016 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

PH1-GWC-3 12/9/2015 13 TRUE
PH1-GWC-3 6/16/2016 15 TRUE
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-3A 12/9/2015 10 TRUE
PH1-GWC-3A 6/16/2016 9.9 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

Cobalt

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-GWB-1	12/8/2015	ND<40	FALSE
PH1-GWB-1	6/14/2016	ND<40	FALSE
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-GWC-2	12/8/2015	ND<40	FALSE
PH1-GWC-2	6/14/2016	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-4	12/8/2015	ND<40	FALSE
PH1-GWC-4	6/14/2016	ND<40	FALSE
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-GWA-1 12/9/2015 95 TRUE
PH1-GWA-1 6/15/2016 110 TRUE
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

Cobalt

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-1A	12/9/2015	ND<40	FALSE
PH1-GWA-1A	6/14/2016	ND<40	FALSE
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-2	12/9/2015	ND<40	FALSE
PH1-GWA-2	6/14/2016	ND<40	FALSE
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-GWB-2	12/9/2015	ND<40	FALSE
PH1-GWB-2	6/14/2016	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-GWC-1	12/9/2015	ND<40	FALSE
PH1-GWC-1	6/16/2016	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
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

Cobalt

PH1-GWC-1	6/17/2021	ND<40	FALSE
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GWC-1	12/10/2015	ND<40	FALSE
GWC-1	6/15/2016	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

PH1-GWC-3	12/10/2015	ND<40	FALSE
PH1-GWC-3	6/17/2016	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-3A	12/10/2015	ND<40	FALSE
PH1-GWC-3A	6/17/2016	ND<40	FALSE
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

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-GWB-1	12/7/2015	ND<2	FALSE
PH1-GWB-1	6/13/2016	ND<2	FALSE
PH1-GWB-1	12/7/2016	ND<2	FALSE
PH1-GWB-1	6/15/2017	ND<2	FALSE
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
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PH1-GWC-4	12/7/2015	ND<2	FALSE
PH1-GWC-4	6/13/2016	ND<2	FALSE
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
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PH1-GWA-1	12/8/2015	ND<2	FALSE
PH1-GWA-1	6/14/2016	ND<2	FALSE
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
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PH1-GWA-1A	12/8/2015	ND<2	FALSE
PH1-GWA-1A	6/14/2016	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

Tetrachloroethene

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
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PH1-GWA-2	12/8/2015	ND<2	FALSE
PH1-GWA-2	6/13/2016	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
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PH1-GWB-2	12/8/2015	ND<2	FALSE
PH1-GWB-2	6/13/2016	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
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PH1-GWC-1	12/8/2015	ND<2	FALSE
PH1-GWC-1	6/15/2016	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
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
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PH1-GWC-2	12/8/2015	6.3	TRUE
PH1-GWC-2	6/14/2016	4	TRUE
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

Tetrachloroethene

PH1-GWC-2	6/17/2021	3.7	TRUE
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GWC-1	12/9/2015	ND<2	FALSE
GWC-1	6/14/2016	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

PH1-GWC-3	12/9/2015	12	TRUE
PH1-GWC-3	6/16/2016	8.4	TRUE
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-3A	12/9/2015	10	TRUE
PH1-GWC-3A	6/16/2016	6.7	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

Trichloroethene

Non-Parametric Tolerance Interval

Parameter: Trichloroethene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 70.9677%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
PH1-GWB-1	12/7/2015	ND<2	FALSE
PH1-GWB-1	6/13/2016	ND<2	FALSE
PH1-GWB-1	12/7/2016	ND<2	FALSE
PH1-GWB-1	6/15/2017	ND<2	FALSE
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-GWC-4	12/7/2015	ND<2	FALSE
PH1-GWC-4	6/13/2016	ND<2	FALSE
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-GWA-1	12/8/2015	ND<2	FALSE
PH1-GWA-1	6/14/2016	ND<2	FALSE
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-1A	12/8/2015	ND<2	FALSE
PH1-GWA-1A	6/14/2016	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

Trichloroethene

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-2	12/8/2015	3.5	TRUE
PH1-GWA-2	6/13/2016	3.8	TRUE
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-GWB-2	12/8/2015	ND<2	FALSE
PH1-GWB-2	6/13/2016	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-GWC-1	12/8/2015	ND<2	FALSE
PH1-GWC-1	6/15/2016	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
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-2	12/8/2015	ND<2	FALSE
PH1-GWC-2	6/14/2016	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

Trichloroethene

PH1-GWC-2	6/17/2021	2.7	TRUE
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GWC-1	12/9/2015	ND<2	FALSE
GWC-1	6/14/2016	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

PH1-GWC-3	12/9/2015	6.9	TRUE
PH1-GWC-3	6/16/2016	5.6	TRUE
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-3A	12/9/2015	6.7	TRUE
PH1-GWC-3A	6/16/2016	4.6	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

Zinc

Non-Parametric Tolerance Interval

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 73.5484%
Background measurements (n) = 24
Maximum Background Concentration = 48.9
Minimum Coverage = 88.3%
Average Coverage = 96%

Location	Date	Value	Significant
PH1-GWB-1	12/8/2015	29	FALSE
PH1-GWB-1	6/14/2016	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
<hr/>			
PH1-GWC-2	12/8/2015	ND<20	FALSE
PH1-GWC-2	6/14/2016	ND<20	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
<hr/>			
PH1-GWC-4	12/8/2015	ND<20	FALSE
PH1-GWC-4	6/14/2016	ND<20	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
<hr/>			
PH1-GWA-1	12/9/2015	ND<20	FALSE
PH1-GWA-1	6/15/2016	21	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

Zinc

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
<hr/>			
PH1-GWA-1A	12/9/2015	ND<20	FALSE
PH1-GWA-1A	6/14/2016	ND<20	FALSE
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
<hr/>			
PH1-GWA-2	12/9/2015	ND<20	FALSE
PH1-GWA-2	6/14/2016	56	TRUE
PH1-GWA-2	12/8/2016	ND<20	FALSE
PH1-GWA-2	6/16/2017	ND<20	FALSE
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
<hr/>			
PH1-GWB-2	12/9/2015	49	TRUE
PH1-GWB-2	6/14/2016	59	TRUE
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
<hr/>			
PH1-GWC-1	12/9/2015	ND<20	FALSE
PH1-GWC-1	6/16/2016	ND<20	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
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

Zinc

PH1-GWC-1 6/17/2021 ND<20 FALSE

GWC-1 12/10/2015 ND<20 FALSE
 GWC-1 6/15/2016 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

PH1-GWC-3 12/10/2015 ND<20 FALSE
 PH1-GWC-3 6/17/2016 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-3A 12/10/2015 ND<20 FALSE
 PH1-GWC-3A 6/17/2016 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

Forsyth County - Hightower Road MSWLF - Phase I
 First 2021 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
1,1-Dichloroethane	PH1-GWB-1	FALSE	96%
1,1-Dichloroethane	PH1-GWC-4	FALSE	96%
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-2	FALSE	96%
1,1-Dichloroethane	PH1-GWC-1	FALSE	96%
1,1-Dichloroethane	PH1-GWC-2	TRUE	96%
1,1-Dichloroethane	GWC-1	FALSE	96%
1,1-Dichloroethane	PH1-GWC-3	TRUE	96%
1,1-Dichloroethane	PH1-GWC-3A	TRUE	96%
Barium	PH1-GWB-1	TRUE	96%
Barium	PH1-GWC-2	FALSE	96%
Barium	PH1-GWC-4	FALSE	96%
Barium	PH1-GWA-1	FALSE	96%
Barium	PH1-GWA-1A	FALSE	96%
Barium	PH1-GWA-2	TRUE	96%
Barium	PH1-GWB-2	FALSE	96%
Barium	PH1-GWC-1	TRUE	96%
Barium	GWC-1	TRUE	96%
Barium	PH1-GWC-3	FALSE	96%
Barium	PH1-GWC-3A	FALSE	96%
cis-1,2-Dichloroethene	PH1-GWB-1	FALSE	96%
cis-1,2-Dichloroethene	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-2	FALSE	96%
cis-1,2-Dichloroethene	PH1-GWC-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-GWC-3	TRUE	96%
cis-1,2-Dichloroethene	PH1-GWC-3A	TRUE	96%
Cobalt	PH1-GWB-1	FALSE	96%
Cobalt	PH1-GWC-2	FALSE	96%
Cobalt	PH1-GWC-4	FALSE	96%
Cobalt	PH1-GWA-1	TRUE	96%
Cobalt	PH1-GWA-1A	FALSE	96%
Cobalt	PH1-GWA-2	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 2021 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Cobalt	PH1-GWB-2	FALSE	96%
Cobalt	PH1-GWC-1	FALSE	96%
Cobalt	GWC-1	FALSE	96%
Cobalt	PH1-GWC-3	FALSE	96%
Cobalt	PH1-GWC-3A	FALSE	96%
Tetrachloroethene	PH1-GWB-1	FALSE	96%
Tetrachloroethene	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-2	FALSE	96%
Tetrachloroethene	PH1-GWC-1	FALSE	96%
Tetrachloroethene	PH1-GWC-2	TRUE	96%
Tetrachloroethene	GWC-1	FALSE	96%
Tetrachloroethene	PH1-GWC-3	TRUE	96%
Tetrachloroethene	PH1-GWC-3A	TRUE	96%
Trichloroethene	PH1-GWB-1	FALSE	96%
Trichloroethene	PH1-GWC-4	FALSE	96%
Trichloroethene	PH1-GWA-1	FALSE	96%
Trichloroethene	PH1-GWA-1A	FALSE	96%
Trichloroethene	PH1-GWA-2	TRUE	96%
Trichloroethene	PH1-GWB-2	FALSE	96%
Trichloroethene	PH1-GWC-1	FALSE	96%
Trichloroethene	PH1-GWC-2	<i>Passed KW</i>	96%
Trichloroethene	GWC-1	FALSE	96%
Trichloroethene	PH1-GWC-3	TRUE	96%
Trichloroethene	PH1-GWC-3A	TRUE	96%
Zinc	PH1-GWB-1	FALSE	96%
Zinc	PH1-GWC-2	FALSE	96%
Zinc	PH1-GWC-4	FALSE	96%
Zinc	PH1-GWA-1	FALSE	96%
Zinc	PH1-GWA-1A	FALSE	96%
Zinc	PH1-GWA-2	FALSE	96%
Zinc	PH1-GWB-2	FALSE	96%
Zinc	PH1-GWC-1	FALSE	96%
Zinc	GWC-1	FALSE	96%
Zinc	PH1-GWC-3	FALSE	96%
Zinc	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.

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
GWA-3	12/7/2015	ND<2	FALSE
GWA-3	6/13/2016	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
<hr/>			
GWC-10	12/7/2015	ND<2	FALSE
GWC-10	6/14/2016	ND<2	FALSE
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
<hr/>			
GWC-10A	12/7/2015	ND<2	FALSE
GWC-10A	6/14/2016	ND<2	FALSE
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
<hr/>			
GWC-11	12/7/2015	ND<2	FALSE
GWC-11	6/14/2016	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
<hr/>			
GWC-12	12/7/2015	ND<2	FALSE
GWC-12	6/14/2016	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
<hr/>			
GWC-12A	12/7/2015	ND<2	FALSE
GWC-12A	6/14/2016	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
<hr/>			
GWC-13	12/7/2015	ND<2	FALSE
GWC-13	6/15/2016	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
<hr/>			
GWC-5	12/7/2015	ND<2	FALSE
GWC-5	6/14/2016	ND<2	FALSE
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

1,1-Dichloroethane

GWC-5	12/17/2020	ND<2	FALSE
GWC-5	6/15/2021	ND<2	FALSE
<hr/>			
GWC-7	12/7/2015	ND<2	FALSE
GWC-7	6/15/2016	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
<hr/>			
GWA-1A	12/8/2015	ND<2	FALSE
GWA-1A	6/14/2016	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
<hr/>			
GWC-17	12/8/2015	ND<2	FALSE
GWC-17	6/13/2016	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
<hr/>			
GWC-23	12/8/2015	ND<2	FALSE
GWC-23	6/15/2016	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
<hr/>			
GWC-23A	12/8/2015	ND<2	FALSE
GWC-23A	6/15/2016	ND<2	FALSE

1,1-Dichloroethane

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
<hr/>			
GWC-24	12/8/2015	ND<2	FALSE
GWC-24	6/13/2016	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
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
<hr/>			
GWC-6	12/8/2015	ND<2	FALSE
GWC-6	6/14/2016	ND<2	FALSE
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
<hr/>			
GWC-9	12/8/2015	ND<2	FALSE
GWC-9	6/14/2016	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
<hr/>			
GWC-14	12/9/2015	ND<2	FALSE
GWC-14	6/15/2016	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

1,1-Dichloroethane

GWC-14	12/17/2020	ND<2	FALSE
GWC-14	6/15/2021	ND<2	FALSE
<hr/>			
GWC-14A	12/9/2015	16	TRUE
GWC-14A	6/15/2016	16	TRUE
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
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GWC-15	12/9/2015	5.2	TRUE
GWC-15	6/15/2016	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
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GWC-16A	12/9/2015	5.5	TRUE
GWC-16A	6/16/2016	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
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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
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GWC-18	6/13/2016	ND<2	FALSE
GWC-18	12/6/2016	ND<2	FALSE
GWC-18	6/14/2017	ND<2	FALSE
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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
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GWC-19R	12/9/2015	ND<2	FALSE

1,1-Dichloroethane

GWC-19R	6/15/2016	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
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GWC-2	6/14/2016	ND<2	FALSE
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
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GWC-22	6/15/2016	ND<2	FALSE
GWC-22	12/6/2016	ND<2	FALSE
GWC-22	6/14/2017	ND<2	FALSE
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GWC-22	6/23/2020	ND<2	FALSE
GWC-22	12/17/2020	ND<2	FALSE
GWC-22	6/14/2021	ND<2	FALSE
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GWC-3	6/14/2016	ND<2	FALSE
GWC-3	12/8/2016	ND<2	FALSE
GWC-3	6/15/2017	ND<2	FALSE
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GWC-3	6/24/2020	ND<2	FALSE
GWC-3	12/16/2020	ND<2	FALSE
GWC-3	6/15/2021	ND<2	FALSE
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GWC-3A	6/14/2016	ND<2	FALSE
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

1,1-Dichloroethane

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-4	12/9/2015	ND<2	FALSE
GWC-4	6/16/2016	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-4A	12/9/2015	ND<2	FALSE
GWC-4A	6/16/2016	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-14R	12/10/2015	22	TRUE
GWC-14R	6/15/2016	26	TRUE
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-8	12/10/2015	ND<2	FALSE
GWC-8	6/15/2016	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-8A	12/10/2015	3.8	TRUE
GWC-8A	6/15/2016	3.4	TRUE
GWC-8A	12/8/2016	5.1	TRUE
GWC-8A	6/13/2017	3	TRUE

1,1-Dichloroethane

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-8R	12/10/2015	18	TRUE
GWC-8R	6/15/2016	15	TRUE
GWC-8R	12/8/2016	15	TRUE
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

1,2,3-Trichloropropane

Non-Parametric Tolerance Interval

Parameter: 1,2,3-Trichloropropane
 Original Data (Not Transformed)
 Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 99.7481%
 Background measurements (n) = 24
 Maximum Background Concentration = 10
 Minimum Coverage = 88.3%
 Average Coverage = 96%

Location	Date	Value	Significant
GWA-3	12/7/2015	ND<10	FALSE
GWA-3	6/13/2016	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
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GWC-10	12/7/2015	ND<10	FALSE
GWC-10	6/14/2016	ND<10	FALSE
GWC-10	12/8/2016	ND<10	FALSE
GWC-10	6/15/2017	ND<10	FALSE
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GWC-10	6/19/2018	ND<10	FALSE
GWC-10	12/17/2018	ND<10	FALSE
GWC-10	6/10/2019	ND<10	FALSE
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GWC-10	6/24/2020	ND<10	FALSE
GWC-10	12/15/2020	ND<10	FALSE
GWC-10	6/15/2021	ND<10	FALSE
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GWC-10A	12/7/2015	ND<10	FALSE
GWC-10A	6/14/2016	ND<10	FALSE
GWC-10A	12/8/2016	ND<10	FALSE
GWC-10A	6/15/2017	ND<10	FALSE
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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
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GWC-11	6/14/2016	ND<10	FALSE
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GWC-11	6/14/2017	ND<10	FALSE
GWC-11	12/13/2017	ND<10	FALSE

1,2,3-Trichloropropane

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
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GWC-12	6/14/2016	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
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GWC-12A	6/14/2016	ND<10	FALSE
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GWC-12A	6/14/2017	ND<10	FALSE
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GWC-12A	6/19/2018	ND<10	FALSE
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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
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GWC-13	6/15/2021	ND<10	FALSE
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GWC-5	6/12/2017	ND<10	FALSE
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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

1,2,3-Trichloropropane

GWC-5	12/17/2020	ND<10	FALSE
GWC-5	6/15/2021	ND<10	FALSE
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GWC-7	6/12/2017	ND<10	FALSE
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GWC-7	6/24/2020	ND<10	FALSE
GWC-7	12/17/2020	ND<10	FALSE
GWC-7	6/15/2021	ND<10	FALSE
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GWA-1A	6/10/2019	ND<10	FALSE
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GWA-1A	6/23/2020	ND<10	FALSE
GWA-1A	12/17/2020	ND<10	FALSE
GWA-1A	6/17/2021	ND<10	FALSE
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GWC-23	6/14/2017	ND<10	FALSE
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GWC-23	6/24/2020	ND<10	FALSE
GWC-23	12/16/2020	ND<10	FALSE
GWC-23	6/14/2021	ND<10	FALSE
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GWC-23A	6/15/2016	ND<10	FALSE

1,2,3-Trichloropropane

GWC-23A	12/6/2016	ND<10	FALSE
GWC-23A	6/14/2017	ND<10	FALSE
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GWC-23A	6/18/2018	ND<10	FALSE
GWC-23A	12/18/2018	ND<10	FALSE
GWC-23A	6/12/2019	ND<10	FALSE
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GWC-23A	6/24/2020	ND<10	FALSE
GWC-23A	12/16/2020	ND<10	FALSE
GWC-23A	6/14/2021	ND<10	FALSE
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GWC-24	6/14/2017	ND<2	FALSE
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GWC-24	6/11/2019	ND<2	FALSE
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GWC-24	6/24/2020	ND<2	FALSE
GWC-24	12/15/2020	ND<10	FALSE
GWC-24	6/14/2021	ND<2	FALSE
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GWC-6	6/12/2017	ND<10	FALSE
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GWC-6	6/21/2018	ND<10	FALSE
GWC-6	12/19/2018	ND<10	FALSE
GWC-6	6/12/2019	ND<10	FALSE
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GWC-6	6/24/2020	ND<10	FALSE
GWC-6	12/17/2020	ND<10	FALSE
GWC-6	6/15/2021	ND<10	FALSE
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GWC-9	6/14/2016	ND<10	FALSE
GWC-9	12/8/2016	ND<10	FALSE
GWC-9	6/15/2017	ND<10	FALSE
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GWC-9	6/24/2020	ND<10	FALSE
GWC-9	12/17/2020	ND<10	FALSE
GWC-9	6/15/2021	ND<10	FALSE
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GWC-14	12/9/2015	ND<10	FALSE
GWC-14	6/15/2016	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

1,2,3-Trichloropropane

GWC-14	12/17/2020	ND<10	FALSE
GWC-14	6/15/2021	ND<10	FALSE
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GWC-14A	6/15/2016	ND<2	FALSE
GWC-14A	12/8/2016	ND<10	FALSE
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GWC-14A	12/19/2018	ND<10	FALSE
GWC-14A	6/11/2019	ND<2	FALSE
GWC-14A	12/10/2019	ND<10	FALSE
GWC-14A	6/24/2020	ND<2	FALSE
GWC-14A	12/15/2020	ND<10	FALSE
GWC-14A	6/15/2021	ND<2	FALSE
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GWC-15	12/9/2015	ND<10	FALSE
GWC-15	6/15/2016	ND<2	FALSE
GWC-15	12/8/2016	ND<10	FALSE
GWC-15	6/14/2017	ND<2	FALSE
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GWC-15	6/19/2018	ND<2	FALSE
GWC-15	12/19/2018	ND<10	FALSE
GWC-15	6/11/2019	ND<2	FALSE
GWC-15	12/10/2019	ND<10	FALSE
GWC-15	6/25/2020	ND<2	FALSE
GWC-15	12/17/2020	ND<10	FALSE
GWC-15	6/16/2021	ND<2	FALSE
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GWC-16A	12/9/2015	ND<10	FALSE
GWC-16A	6/16/2016	ND<2	FALSE
GWC-16A	12/7/2016	ND<10	FALSE
GWC-16A	6/14/2017	ND<2	FALSE
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GWC-16A	12/19/2018	ND<10	FALSE
GWC-16A	6/13/2019	ND<2	FALSE
GWC-16A	12/11/2019	ND<10	FALSE
GWC-16A	6/23/2020	ND<2	FALSE
GWC-16A	12/17/2020	ND<10	FALSE
GWC-16A	6/16/2021	ND<2	FALSE
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GWC-18	6/13/2016	ND<2	FALSE
GWC-18	12/6/2016	ND<10	FALSE
GWC-18	6/14/2017	ND<2	FALSE
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GWC-18	6/23/2020	ND<2	FALSE
GWC-18	12/15/2020	ND<10	FALSE
GWC-18	6/14/2021	ND<2	FALSE
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GWC-19R	12/9/2015	ND<10	FALSE

1,2,3-Trichloropropane

GWC-19R	6/15/2016	ND<2	FALSE
GWC-19R	12/6/2016	ND<10	FALSE
GWC-19R	6/14/2017	ND<2	FALSE
GWC-19R	12/13/2017	ND<10	FALSE
GWC-19R	6/19/2018	ND<2	FALSE
GWC-19R	12/18/2018	ND<10	FALSE
GWC-19R	6/11/2019	ND<2	FALSE
GWC-19R	12/9/2019	ND<10	FALSE
GWC-19R	6/23/2020	ND<2	FALSE
GWC-19R	12/15/2020	ND<10	FALSE
GWC-19R	6/14/2021	ND<2	FALSE
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GWC-2	6/14/2016	ND<10	FALSE
GWC-2	12/8/2016	ND<10	FALSE
GWC-2	6/15/2017	ND<10	FALSE
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GWC-2	12/19/2018	ND<10	FALSE
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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
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GWC-22	6/15/2016	ND<10	FALSE
GWC-22	12/6/2016	ND<10	FALSE
GWC-22	6/14/2017	ND<10	FALSE
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GWC-22	6/23/2020	ND<10	FALSE
GWC-22	12/17/2020	ND<10	FALSE
GWC-22	6/14/2021	ND<10	FALSE
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GWC-3	12/8/2016	ND<10	FALSE
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GWC-3	6/24/2020	ND<10	FALSE
GWC-3	12/16/2020	ND<10	FALSE
GWC-3	6/15/2021	ND<10	FALSE
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GWC-3A	6/14/2016	ND<10	FALSE
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GWC-3A	12/12/2017	ND<10	FALSE
GWC-3A	6/20/2018	ND<10	FALSE
GWC-3A	12/17/2018	ND<10	FALSE

1,2,3-Trichloropropane

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-4	12/9/2015	ND<10	FALSE
GWC-4	6/16/2016	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-4A	12/9/2015	ND<10	FALSE
GWC-4A	6/16/2016	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
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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-14R	12/10/2015	ND<10	FALSE
GWC-14R	6/15/2016	ND<2	FALSE
GWC-14R	12/8/2016	ND<10	FALSE
GWC-14R	6/13/2017	ND<2	FALSE
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GWC-14R	12/10/2019	ND<10	FALSE
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GWC-14R	12/17/2020	ND<10	FALSE
GWC-14R	6/16/2021	33	TRUE

GWC-8	12/10/2015	ND<10	FALSE
GWC-8	6/15/2016	ND<10	FALSE
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GWC-8	6/20/2018	ND<10	FALSE
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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-8A	12/10/2015	ND<10	FALSE
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1,2,3-Trichloropropane

GWC-8A	12/12/2017	ND<10	FALSE
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GWC-8A	6/12/2019	ND<2	FALSE
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GWC-8A	6/16/2021	ND<2	FALSE

GWC-8R	12/10/2015	ND<10	FALSE
GWC-8R	6/15/2016	ND<2	FALSE
GWC-8R	12/8/2016	ND<10	FALSE
GWC-8R	6/13/2017	ND<2	FALSE
GWC-8R	12/12/2017	ND<10	FALSE
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GWC-8R	12/19/2018	ND<10	FALSE
GWC-8R	6/12/2019	ND<2	FALSE
GWC-8R	12/11/2019	ND<10	FALSE
GWC-8R	6/23/2020	ND<2	FALSE
GWC-8R	12/15/2020	ND<10	FALSE
GWC-8R	6/16/2021	ND<2	FALSE

Benzene

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
GWA-3	12/7/2015	ND<2	FALSE
GWA-3	6/13/2016	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
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GWC-10	12/8/2016	ND<2	FALSE
GWC-10	6/15/2017	ND<2	FALSE
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GWC-10	12/17/2018	ND<2	FALSE
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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
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GWC-10A	6/19/2018	ND<2	FALSE
GWC-10A	12/17/2018	ND<2	FALSE
GWC-10A	6/10/2019	ND<2	FALSE
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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
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GWC-11	6/12/2019	ND<2	FALSE
GWC-11	12/12/2019	ND<2	FALSE
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GWC-12	6/14/2017	ND<2	FALSE
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GWC-12	6/24/2020	ND<2	FALSE
GWC-12	12/15/2020	ND<2	FALSE
GWC-12	6/15/2021	ND<2	FALSE
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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
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GWC-13	6/14/2017	ND<2	FALSE
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GWC-13	6/23/2020	ND<2	FALSE
GWC-13	12/15/2020	ND<2	FALSE
GWC-13	6/15/2021	ND<2	FALSE
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GWC-5	6/14/2016	ND<2	FALSE
GWC-5	12/8/2016	ND<2	FALSE
GWC-5	6/12/2017	ND<2	FALSE
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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

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GWC-5	12/17/2020	ND<2	FALSE
GWC-5	6/15/2021	ND<2	FALSE
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GWC-7	6/24/2020	ND<2	FALSE
GWC-7	12/17/2020	ND<2	FALSE
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GWC-23A	6/15/2016	ND<2	FALSE

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GWC-24	6/14/2017	ND<2	FALSE
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GWC-24	12/15/2020	ND<2	FALSE
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GWC-6	6/12/2017	ND<2	FALSE
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GWC-9	6/15/2017	ND<2	FALSE
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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

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GWC-14	12/17/2020	ND<2	FALSE
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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
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GWC-15	6/11/2019	3.1	TRUE
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GWC-15	6/25/2020	3.6	TRUE
GWC-15	12/17/2020	3.1	TRUE
GWC-15	6/16/2021	3.9	TRUE
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GWC-16A	6/23/2020	ND<2	FALSE
GWC-16A	12/17/2020	ND<2	FALSE
GWC-16A	6/16/2021	ND<2	FALSE
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GWC-18	12/15/2020	ND<2	FALSE
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GWC-19R	6/15/2016	ND<2	FALSE
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GWC-19R	6/23/2020	ND<2	FALSE
GWC-19R	12/15/2020	ND<2	FALSE
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GWC-2	6/15/2021	ND<2	FALSE
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GWC-3A	12/17/2018	ND<2	FALSE

Benzene

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-4	12/9/2015	ND<2	FALSE
GWC-4	6/16/2016	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-4A	12/9/2015	ND<2	FALSE
GWC-4A	6/16/2016	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-14R	12/10/2015	ND<2	FALSE
GWC-14R	6/15/2016	ND<2	FALSE
GWC-14R	12/8/2016	ND<2	FALSE
GWC-14R	6/13/2017	ND<2	FALSE
GWC-14R	12/12/2017	ND<2	FALSE
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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-8	12/10/2015	ND<2	FALSE
GWC-8	6/15/2016	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-8A	12/10/2015	2.7	TRUE
GWC-8A	6/15/2016	2.2	TRUE
GWC-8A	12/8/2016	3.2	TRUE
GWC-8A	6/13/2017	2.3	TRUE

Benzene

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-8R	12/10/2015	ND<2	FALSE
GWC-8R	6/15/2016	ND<2	FALSE
GWC-8R	12/8/2016	ND<2	FALSE
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

Chlorobenzene

Non-Parametric Tolerance Interval

Parameter: Chlorobenzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 99.2443%

Background measurements (n) = 24

Maximum Background Concentration = 10

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWA-3	12/7/2015	ND<10	FALSE
GWA-3	6/13/2016	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
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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
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GWC-10A	6/14/2016	ND<10	FALSE
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
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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
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GWC-11	12/15/2020	ND<10	FALSE
GWC-11	6/15/2021	ND<10	FALSE
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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
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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
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GWC-13	6/15/2016	ND<10	FALSE
GWC-13	12/7/2016	ND<10	FALSE
GWC-13	6/14/2017	ND<10	FALSE
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GWC-13	12/15/2020	ND<10	FALSE
GWC-13	6/15/2021	ND<10	FALSE
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GWC-5	12/8/2016	ND<10	FALSE
GWC-5	6/12/2017	ND<10	FALSE
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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

Chlorobenzene

GWC-5	12/17/2020	ND<10	FALSE
GWC-5	6/15/2021	ND<10	FALSE
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GWC-7	12/8/2016	ND<10	FALSE
GWC-7	6/12/2017	ND<10	FALSE
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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
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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
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GWA-1A	6/23/2020	ND<10	FALSE
GWA-1A	12/17/2020	ND<10	FALSE
GWA-1A	6/17/2021	ND<10	FALSE
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GWC-17	12/12/2017	ND<10	FALSE
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GWC-23	12/6/2016	ND<10	FALSE
GWC-23	6/14/2017	ND<10	FALSE
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GWC-23	6/24/2020	ND<10	FALSE
GWC-23	12/16/2020	ND<10	FALSE
GWC-23	6/14/2021	ND<10	FALSE
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GWC-23A	6/15/2016	ND<10	FALSE

Chlorobenzene

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
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GWC-23A	6/24/2020	ND<10	FALSE
GWC-23A	12/16/2020	ND<10	FALSE
GWC-23A	6/14/2021	ND<10	FALSE
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GWC-24	6/14/2017	ND<10	FALSE
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GWC-24	6/14/2021	ND<10	FALSE
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GWC-6	6/24/2020	ND<10	FALSE
GWC-6	12/17/2020	ND<10	FALSE
GWC-6	6/15/2021	ND<10	FALSE
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GWC-9	6/24/2020	ND<10	FALSE
GWC-9	12/17/2020	ND<10	FALSE
GWC-9	6/15/2021	ND<10	FALSE
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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

Chlorobenzene

GWC-14	12/17/2020	ND<10	FALSE
GWC-14	6/15/2021	ND<10	FALSE
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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
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GWC-15	12/8/2016	ND<10	FALSE
GWC-15	6/14/2017	ND<10	FALSE
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GWC-15	6/25/2020	ND<10	FALSE
GWC-15	12/17/2020	ND<10	FALSE
GWC-15	6/16/2021	ND<10	FALSE
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GWC-16A	12/7/2016	ND<10	FALSE
GWC-16A	6/14/2017	ND<10	FALSE
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GWC-16A	6/23/2020	ND<10	FALSE
GWC-16A	12/17/2020	ND<10	FALSE
GWC-16A	6/16/2021	ND<10	FALSE
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GWC-18	12/6/2016	ND<10	FALSE
GWC-18	6/14/2017	ND<10	FALSE
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GWC-18	6/23/2020	ND<10	FALSE
GWC-18	12/15/2020	ND<10	FALSE
GWC-18	6/14/2021	ND<10	FALSE
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GWC-19R	12/9/2015	ND<10	FALSE

Chlorobenzene

GWC-19R	6/15/2016	ND<10	FALSE
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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
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GWC-19R	6/23/2020	ND<10	FALSE
GWC-19R	12/15/2020	ND<10	FALSE
GWC-19R	6/14/2021	ND<10	FALSE
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GWC-2	6/14/2016	ND<10	FALSE
GWC-2	12/8/2016	ND<10	FALSE
GWC-2	6/15/2017	ND<10	FALSE
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GWC-2	6/22/2020	ND<10	FALSE
GWC-2	12/16/2020	ND<10	FALSE
GWC-2	6/15/2021	ND<10	FALSE
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GWC-22	12/6/2016	ND<10	FALSE
GWC-22	6/14/2017	ND<10	FALSE
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GWC-22	6/23/2020	ND<10	FALSE
GWC-22	12/17/2020	ND<10	FALSE
GWC-22	6/14/2021	ND<10	FALSE
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GWC-3	12/8/2016	ND<10	FALSE
GWC-3	6/15/2017	ND<10	FALSE
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GWC-3	6/24/2020	ND<10	FALSE
GWC-3	12/16/2020	ND<10	FALSE
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GWC-3A	12/17/2018	ND<10	FALSE

Chlorobenzene

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

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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-4A	12/9/2015	ND<10	FALSE
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GWC-4A	12/11/2019	ND<10	FALSE
GWC-4A	6/23/2020	ND<10	FALSE
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GWC-4A	6/17/2021	ND<10	FALSE

GWC-14R	12/10/2015	ND<10	FALSE
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GWC-8	12/11/2019	ND<10	FALSE
GWC-8	6/23/2020	ND<10	FALSE
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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-8R	12/10/2015	ND<10	FALSE
GWC-8R	6/15/2016	ND<10	FALSE
GWC-8R	12/8/2016	ND<10	FALSE
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

Chloroethane

Non-Parametric Tolerance Interval

Parameter: Chloroethane

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 95.9698%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWA-3	12/7/2015	ND<2	FALSE
GWA-3	6/13/2016	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
<hr/>			
GWC-10	12/7/2015	ND<2	FALSE
GWC-10	6/14/2016	ND<2	FALSE
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
<hr/>			
GWC-10A	12/7/2015	ND<2	FALSE
GWC-10A	6/14/2016	ND<2	FALSE
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
<hr/>			
GWC-11	12/7/2015	ND<2	FALSE
GWC-11	6/14/2016	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
<hr/>			
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GWC-12	6/14/2016	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
<hr/>			
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GWC-12A	6/14/2016	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
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GWC-13	12/7/2015	ND<2	FALSE
GWC-13	6/15/2016	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
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GWC-5	12/7/2015	ND<2	FALSE
GWC-5	6/14/2016	ND<2	FALSE
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

Chloroethane

GWC-5	12/17/2020	ND<2	FALSE
GWC-5	6/15/2021	ND<2	FALSE
<hr/>			
GWC-7	12/7/2015	ND<2	FALSE
GWC-7	6/15/2016	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
<hr/>			
GWA-1A	12/8/2015	ND<2	FALSE
GWA-1A	6/14/2016	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
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GWC-17	12/8/2015	ND<2	FALSE
GWC-17	6/13/2016	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
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GWC-23	12/8/2015	ND<2	FALSE
GWC-23	6/15/2016	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
<hr/>			
GWC-23A	12/8/2015	ND<2	FALSE
GWC-23A	6/15/2016	ND<2	FALSE

Chloroethane

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
<hr/>			
GWC-24	12/8/2015	ND<2	FALSE
GWC-24	6/13/2016	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
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
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GWC-6	12/8/2015	ND<2	FALSE
GWC-6	6/14/2016	ND<2	FALSE
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
<hr/>			
GWC-9	12/8/2015	ND<2	FALSE
GWC-9	6/14/2016	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
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GWC-14	12/9/2015	ND<2	FALSE
GWC-14	6/15/2016	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

Chloroethane

GWC-14	12/17/2020	ND<2	FALSE
GWC-14	6/15/2021	ND<2	FALSE
<hr/>			
GWC-14A	12/9/2015	6.7	TRUE
GWC-14A	6/15/2016	12	TRUE
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
<hr/>			
GWC-15	12/9/2015	ND<2	FALSE
GWC-15	6/15/2016	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
<hr/>			
GWC-16A	12/9/2015	6.3	TRUE
GWC-16A	6/16/2016	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
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GWC-18	12/9/2015	ND<2	FALSE
GWC-18	6/13/2016	ND<2	FALSE
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
<hr/>			
GWC-19R	12/9/2015	ND<2	FALSE

Chloroethane

GWC-19R	6/15/2016	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
<hr/>			
GWC-2	12/9/2015	ND<2	FALSE
GWC-2	6/14/2016	ND<2	FALSE
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
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GWC-22	12/9/2015	ND<2	FALSE
GWC-22	6/15/2016	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
<hr/>			
GWC-3	12/9/2015	ND<2	FALSE
GWC-3	6/14/2016	ND<2	FALSE
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
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GWC-3A	6/14/2016	ND<2	FALSE
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

Chloroethane

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-4	12/9/2015	ND<2	FALSE
GWC-4	6/16/2016	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-4A	12/9/2015	ND<2	FALSE
GWC-4A	6/16/2016	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-14R	12/10/2015	ND<2	FALSE
GWC-14R	6/15/2016	ND<2	FALSE
GWC-14R	12/8/2016	ND<2	FALSE
GWC-14R	6/13/2017	ND<2	FALSE
GWC-14R	12/12/2017	ND<2	FALSE
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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-8	12/10/2015	ND<2	FALSE
GWC-8	6/15/2016	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
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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-8A	12/10/2015	ND<2	FALSE
GWC-8A	6/15/2016	ND<2	FALSE
GWC-8A	12/8/2016	ND<2	FALSE
GWC-8A	6/13/2017	ND<2	FALSE

Chloroethane

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-8R	12/10/2015	ND<2	FALSE
GWC-8R	6/15/2016	ND<2	FALSE
GWC-8R	12/8/2016	2.2	TRUE
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

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 = 70.7809%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWA-3	12/7/2015	ND<2	FALSE
GWA-3	6/13/2016	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
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GWC-10	12/7/2015	ND<2	FALSE
GWC-10	6/14/2016	ND<2	FALSE
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
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GWC-10A	12/7/2015	ND<2	FALSE
GWC-10A	6/14/2016	ND<2	FALSE
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
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GWC-11	12/7/2015	ND<2	FALSE
GWC-11	6/14/2016	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

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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
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GWC-12	12/7/2015	ND<2	FALSE
GWC-12	6/14/2016	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
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GWC-12A	6/14/2016	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
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GWC-13	6/15/2016	ND<2	FALSE
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GWC-13	6/14/2017	ND<2	FALSE
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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
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GWC-5	6/14/2016	ND<2	FALSE
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

cis-1,2-Dichloroethene

GWC-5	12/17/2020	ND<2	FALSE
GWC-5	6/15/2021	ND<2	FALSE
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GWC-7	6/15/2016	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
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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
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GWC-17	12/8/2015	45	TRUE
GWC-17	6/13/2016	41	TRUE
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
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GWC-23	12/8/2015	ND<2	FALSE
GWC-23	6/15/2016	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
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GWC-23A	6/15/2016	ND<2	FALSE

cis-1,2-Dichloroethene

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
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GWC-23A	6/24/2020	ND<2	FALSE
GWC-23A	12/16/2020	ND<2	FALSE
GWC-23A	6/14/2021	ND<2	FALSE
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GWC-24	12/8/2015	2.4	TRUE
GWC-24	6/13/2016	5.2	TRUE
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
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
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GWC-6	6/14/2016	ND<2	FALSE
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
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GWC-9	6/14/2016	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
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GWC-14	12/9/2015	ND<2	FALSE
GWC-14	6/15/2016	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

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GWC-14	12/17/2020	ND<2	FALSE
GWC-14	6/15/2021	ND<2	FALSE
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GWC-14A	12/9/2015	38	TRUE
GWC-14A	6/15/2016	42	TRUE
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
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GWC-15	12/9/2015	17	TRUE
GWC-15	6/15/2016	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
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GWC-16A	12/9/2015	82	TRUE
GWC-16A	6/16/2016	3.4	TRUE
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
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GWC-18	12/9/2015	14	TRUE
GWC-18	6/13/2016	3.6	TRUE
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
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GWC-19R	12/9/2015	4.7	TRUE

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GWC-19R	6/15/2016	9.3	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
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GWC-2	12/9/2015	ND<2	FALSE
GWC-2	6/14/2016	ND<2	FALSE
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
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GWC-22	6/15/2016	ND<2	FALSE
GWC-22	12/6/2016	ND<2	FALSE
GWC-22	6/14/2017	ND<2	FALSE
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GWC-22	6/23/2020	ND<2	FALSE
GWC-22	12/17/2020	ND<2	FALSE
GWC-22	6/14/2021	ND<2	FALSE
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GWC-3	6/14/2016	ND<2	FALSE
GWC-3	12/8/2016	ND<2	FALSE
GWC-3	6/15/2017	ND<2	FALSE
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GWC-3	6/24/2020	ND<2	FALSE
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GWC-3A	12/17/2018	ND<2	FALSE

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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-4	12/9/2015	ND<2	FALSE
GWC-4	6/16/2016	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-4A	12/9/2015	ND<2	FALSE
GWC-4A	6/16/2016	ND<2	FALSE
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GWC-4A	6/13/2017	ND<2	FALSE
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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-14R	12/10/2015	20	TRUE
GWC-14R	6/15/2016	25	TRUE
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-8	12/10/2015	ND<2	FALSE
GWC-8	6/15/2016	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
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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-8A	12/10/2015	29	TRUE
GWC-8A	6/15/2016	25	TRUE
GWC-8A	12/8/2016	32	TRUE
GWC-8A	6/13/2017	27	TRUE

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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-8R	12/10/2015	19	TRUE
GWC-8R	6/15/2016	21	TRUE
GWC-8R	12/8/2016	17	TRUE
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

Tetrachloroethene

Non-Parametric Tolerance Interval

Parameter: Tetrachloroethene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 91.4358%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWA-3	12/7/2015	ND<2	FALSE
GWA-3	6/13/2016	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
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GWC-10	6/14/2016	ND<2	FALSE
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
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Tetrachloroethene

GWC-11	6/19/2018	ND<2	FALSE
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GWC-12A	12/15/2020	ND<2	FALSE
GWC-12A	6/15/2021	ND<2	FALSE
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GWC-15	12/10/2019	31	TRUE
GWC-15	6/25/2020	48	TRUE
GWC-15	12/17/2020	19	TRUE
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GWC-18	6/14/2017	4.1	TRUE
GWC-18	12/13/2017	6.5	TRUE
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GWC-18	6/11/2019	3.9	TRUE
GWC-18	12/9/2019	7.4	TRUE
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GWC-8R	6/16/2021	ND<2	FALSE

Trichloroethene

Non-Parametric Tolerance Interval

Parameter: Trichloroethene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 89.6725%

Background measurements (n) = 24

Maximum Background Concentration = 2

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWA-3	12/7/2015	ND<2	FALSE
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GWA-3	6/14/2017	ND<2	FALSE
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GWA-3	6/18/2018	ND<2	FALSE
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GWC-23	12/16/2020	ND<2	FALSE
GWC-23	6/14/2021	ND<2	FALSE
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Trichloroethene

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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

Trichloroethene

GWC-14	12/17/2020	ND<2	FALSE
GWC-14	6/15/2021	ND<2	FALSE
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GWC-14A	12/9/2015	5.3	TRUE
GWC-14A	6/15/2016	4.3	TRUE
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
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GWC-14A	12/15/2020	ND<2	FALSE
GWC-14A	6/15/2021	ND<2	FALSE
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GWC-15	6/15/2016	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
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GWC-16A	12/7/2016	ND<2	FALSE
GWC-16A	6/14/2017	3.9	TRUE
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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
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GWC-18	12/6/2016	2.3	TRUE
GWC-18	6/14/2017	ND<2	FALSE
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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
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Trichloroethene

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GWC-19R	6/14/2017	ND<2	FALSE
GWC-19R	12/13/2017	ND<2	FALSE
GWC-19R	6/19/2018	ND<2	FALSE
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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
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GWC-2	12/9/2015	ND<2	FALSE
GWC-2	6/14/2016	ND<2	FALSE
GWC-2	12/8/2016	ND<2	FALSE
GWC-2	6/15/2017	ND<2	FALSE
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GWC-2	6/22/2020	ND<2	FALSE
GWC-2	12/16/2020	ND<2	FALSE
GWC-2	6/15/2021	ND<2	FALSE
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GWC-22	6/15/2016	ND<2	FALSE
GWC-22	12/6/2016	ND<2	FALSE
GWC-22	6/14/2017	ND<2	FALSE
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GWC-22	6/23/2020	ND<2	FALSE
GWC-22	12/17/2020	ND<2	FALSE
GWC-22	6/14/2021	ND<2	FALSE
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GWC-3	6/14/2016	ND<2	FALSE
GWC-3	12/8/2016	ND<2	FALSE
GWC-3	6/15/2017	ND<2	FALSE
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GWC-3	6/24/2020	ND<2	FALSE
GWC-3	12/16/2020	ND<2	FALSE
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GWC-3A	6/14/2016	ND<2	FALSE
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

Trichloroethene

GWC-3A	6/11/2019	ND<2	FALSE
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GWC-3A	12/16/2020	ND<2	FALSE
GWC-3A	6/14/2021	ND<2	FALSE

GWC-4	12/9/2015	ND<2	FALSE
GWC-4	6/16/2016	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-4A	12/9/2015	ND<2	FALSE
GWC-4A	6/16/2016	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
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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-14R	12/10/2015	6.7	TRUE
GWC-14R	6/15/2016	6.1	TRUE
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
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GWC-14R	12/17/2020	3.9	TRUE
GWC-14R	6/16/2021	3.9	TRUE

GWC-8	12/10/2015	ND<2	FALSE
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GWC-8	12/12/2017	ND<2	FALSE
GWC-8	6/20/2018	ND<2	FALSE
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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-8A	12/10/2015	ND<2	FALSE
GWC-8A	6/15/2016	ND<2	FALSE
GWC-8A	12/8/2016	ND<2	FALSE
GWC-8A	6/13/2017	ND<2	FALSE

Trichloroethene

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-8R	12/10/2015	2.9	TRUE
GWC-8R	6/15/2016	ND<2	FALSE
GWC-8R	12/8/2016	ND<2	FALSE
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

Vinyl chloride

Non-Parametric Tolerance Interval

Parameter: Vinyl chloride

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
GWA-3	12/7/2015	ND<2	FALSE
GWA-3	6/13/2016	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
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GWC-10	6/15/2017	ND<2	FALSE
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GWC-10	6/24/2020	ND<2	FALSE
GWC-10	12/15/2020	ND<2	FALSE
GWC-10	6/15/2021	ND<2	FALSE
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GWC-10A	6/14/2016	ND<2	FALSE
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GWC-10A	6/19/2018	ND<2	FALSE
GWC-10A	12/17/2018	ND<2	FALSE
GWC-10A	6/10/2019	ND<2	FALSE
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Vinyl chloride

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GWC-11	12/12/2019	ND<2	FALSE
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GWC-12	6/24/2020	ND<2	FALSE
GWC-12	12/15/2020	ND<2	FALSE
GWC-12	6/15/2021	ND<2	FALSE
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Vinyl chloride

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GWC-23	6/24/2020	ND<2	FALSE
GWC-23	12/16/2020	ND<2	FALSE
GWC-23	6/14/2021	ND<2	FALSE
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GWC-23A	6/15/2016	ND<2	FALSE

Vinyl chloride

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GWC-23A	6/14/2017	ND<2	FALSE
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GWC-23A	6/18/2018	ND<2	FALSE
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GWC-23A	6/24/2020	ND<2	FALSE
GWC-23A	12/16/2020	ND<2	FALSE
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GWC-24	12/15/2020	ND<2	FALSE
GWC-24	6/14/2021	ND<2	FALSE
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GWC-6	12/8/2016	ND<2	FALSE
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GWC-6	6/24/2020	ND<2	FALSE
GWC-6	12/17/2020	ND<2	FALSE
GWC-6	6/15/2021	ND<2	FALSE
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GWC-9	6/14/2016	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
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GWC-14	12/9/2015	ND<2	FALSE
GWC-14	6/15/2016	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

Vinyl chloride

GWC-14	12/17/2020	ND<2	FALSE
GWC-14	6/15/2021	ND<2	FALSE
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GWC-14A	12/9/2015	6.1	TRUE
GWC-14A	6/15/2016	8.4	TRUE
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
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GWC-15	12/9/2015	ND<2	FALSE
GWC-15	6/15/2016	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
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GWC-16A	6/16/2016	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
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GWC-18	6/13/2016	ND<2	FALSE
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
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GWC-19R	12/9/2015	ND<2	FALSE

Vinyl chloride

GWC-19R	6/15/2016	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
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GWC-2	12/9/2015	ND<2	FALSE
GWC-2	6/14/2016	ND<2	FALSE
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
<hr/>			
GWC-22	12/9/2015	ND<2	FALSE
GWC-22	6/15/2016	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
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GWC-3	12/9/2015	ND<2	FALSE
GWC-3	6/14/2016	ND<2	FALSE
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
<hr/>			
GWC-3A	12/9/2015	ND<2	FALSE
GWC-3A	6/14/2016	ND<2	FALSE
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

Vinyl chloride

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-4	12/9/2015	ND<2	FALSE
GWC-4	6/16/2016	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-4A	12/9/2015	ND<2	FALSE
GWC-4A	6/16/2016	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-14R	12/10/2015	ND<2	FALSE
GWC-14R	6/15/2016	ND<2	FALSE
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-8	12/10/2015	ND<2	FALSE
GWC-8	6/15/2016	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-8A	12/10/2015	ND<2	FALSE
GWC-8A	6/15/2016	ND<2	FALSE
GWC-8A	12/8/2016	ND<2	FALSE
GWC-8A	6/13/2017	ND<2	FALSE

Vinyl chloride

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-8R	12/10/2015	ND<2	FALSE
GWC-8R	6/15/2016	ND<2	FALSE
GWC-8R	12/8/2016	ND<2	FALSE
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

Non-Parametric Tolerance Interval

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 34.0659%

Background measurements (n) = 24

Maximum Background Concentration = 39.5

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWA-1A	12/8/2015	34	FALSE
GWA-1A	6/14/2016	35	FALSE
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
<hr/>			
GWA-3	12/8/2015	ND<20	FALSE
GWA-3	6/14/2016	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	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
<hr/>			
GWC-10	12/8/2015	ND<20	FALSE
GWC-10	6/15/2016	21	FALSE
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
<hr/>			
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GWC-10A	6/15/2016	29	FALSE
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
<hr/>			
GWC-11	12/8/2015	27	FALSE
GWC-11	6/15/2016	24	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
<hr/>			
GWC-12	12/8/2015	ND<20	FALSE
GWC-12	6/15/2016	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
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GWC-12A	6/15/2016	ND<20	FALSE
GWC-12A	12/8/2016	ND<20	FALSE
GWC-12A	6/15/2017	ND<20	FALSE
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GWC-12A	6/25/2020	ND<20	FALSE
GWC-12A	12/16/2020	ND<20	FALSE
GWC-12A	6/16/2021	ND<20	FALSE
<hr/>			
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GWC-13	6/16/2016	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
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

Barium

GWC-13	12/16/2020	ND<20	FALSE
GWC-13	6/16/2021	ND<20	FALSE
<hr/>			
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GWC-17	6/14/2016	38	FALSE
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
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GWC-5	6/15/2016	ND<20	FALSE
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
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GWC-7	6/16/2016	46	TRUE
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
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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
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GWC-15	6/16/2016	61	TRUE
GWC-15	12/8/2016	60	TRUE
GWC-15	6/14/2017	120	TRUE
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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
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GWC-23	12/9/2015	ND<20	FALSE
GWC-23	6/16/2016	ND<20	FALSE

Barium

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
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GWC-23A	6/15/2016	20	FALSE
GWC-23A	12/7/2016	ND<20	FALSE
GWC-23A	6/15/2017	ND<20	FALSE
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GWC-23A	6/24/2020	ND<20	FALSE
GWC-23A	12/17/2020	ND<20	FALSE
GWC-23A	6/15/2021	ND<20	FALSE
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GWC-6	12/9/2015	ND<20	FALSE
GWC-6	6/15/2016	ND<20	FALSE
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
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GWC-9	12/9/2015	52	TRUE
GWC-9	6/15/2016	80	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
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GWC-14	12/10/2015	62	TRUE
GWC-14	6/15/2016	26	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

Barium

GWC-14	6/16/2021	24	FALSE
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GWC-14A	12/10/2015	200	TRUE
GWC-14A	6/16/2016	200	TRUE
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
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GWC-16A	12/10/2015	260	TRUE
GWC-16A	6/17/2016	29	FALSE
GWC-16A	12/8/2016	35	FALSE
GWC-16A	6/15/2017	170	TRUE
GWC-16A	12/14/2017	29	FALSE
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
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GWC-18	12/10/2015	140	TRUE
GWC-18	6/14/2016	250	TRUE
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
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GWC-19R	12/10/2015	100	TRUE
GWC-19R	6/16/2016	93	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
<hr/>			
GWC-2	12/10/2015	ND<20	FALSE
GWC-2	6/15/2016	ND<20	FALSE

Barium

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
<hr/>			
GWC-22	12/10/2015	24	FALSE
GWC-22	6/16/2016	25	FALSE
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
<hr/>			
GWC-3	12/10/2015	ND<20	FALSE
GWC-3	6/15/2016	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
<hr/>			
GWC-3A	12/10/2015	40	TRUE
GWC-3A	6/15/2016	38	FALSE
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
<hr/>			
GWC-4	12/10/2015	23	FALSE
GWC-4	6/17/2016	24	FALSE
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
<hr/>			
GWC-4A	12/10/2015	39	FALSE

Barium

GWC-4A	6/17/2016	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-8	12/10/2015	ND<20	FALSE
GWC-8	6/16/2016	22	FALSE
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-8A	12/10/2015	41	TRUE
GWC-8A	6/16/2016	40	TRUE
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-24	6/14/2016	27	FALSE
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

Cobalt

Non-Parametric Tolerance Interval

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 92.8571%

Background measurements (n) = 24

Maximum Background Concentration = 40

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWA-1A	12/8/2015	ND<40	FALSE
GWA-1A	6/14/2016	ND<40	FALSE
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-3	12/8/2015	ND<40	FALSE
GWA-3	6/14/2016	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

GWC-10	12/8/2015	ND<40	FALSE
GWC-10	6/15/2016	ND<40	FALSE
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-10A	12/8/2015	ND<40	FALSE
GWC-10A	6/15/2016	ND<40	FALSE
GWC-10A	12/9/2016	ND<40	FALSE
GWC-10A	6/16/2017	ND<40	FALSE
GWC-10A	12/13/2017	ND<40	FALSE

Cobalt

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-11	12/8/2015	ND<40	FALSE
GWC-11	6/15/2016	ND<40	FALSE
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-12	12/8/2015	ND<40	FALSE
GWC-12	6/15/2016	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-12A	12/8/2015	ND<40	FALSE
GWC-12A	6/15/2016	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-13	12/8/2015	ND<40	FALSE
GWC-13	6/16/2016	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
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

Cobalt

GWC-13	12/16/2020	ND<40	FALSE
GWC-13	6/16/2021	ND<40	FALSE

GWC-17	12/8/2015	ND<40	FALSE
GWC-17	6/14/2016	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-5	12/8/2015	ND<40	FALSE
GWC-5	6/15/2016	ND<40	FALSE
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-7	12/8/2015	ND<40	FALSE
GWC-7	6/16/2016	ND<40	FALSE
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-15	12/9/2015	ND<40	FALSE
GWC-15	6/16/2016	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-23	12/9/2015	ND<40	FALSE
GWC-23	6/16/2016	ND<40	FALSE

Cobalt

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-23A	12/9/2015	ND<40	FALSE
GWC-23A	6/15/2016	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-6	12/9/2015	ND<40	FALSE
GWC-6	6/15/2016	ND<40	FALSE
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-9	12/9/2015	ND<40	FALSE
GWC-9	6/15/2016	50	TRUE
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-14	12/10/2015	49	TRUE
GWC-14	6/15/2016	88	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

Cobalt

GWC-14	6/16/2021	87.6	TRUE
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GWC-14A	12/10/2015	520	TRUE
GWC-14A	6/16/2016	490	TRUE
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-16A	12/10/2015	100	TRUE
GWC-16A	6/17/2016	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
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-18	12/10/2015	ND<40	FALSE
GWC-18	6/14/2016	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-19R	12/10/2015	ND<40	FALSE
GWC-19R	6/16/2016	47	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-2	12/10/2015	ND<40	FALSE
GWC-2	6/15/2016	ND<40	FALSE

Cobalt

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-22	12/10/2015	ND<40	FALSE
GWC-22	6/16/2016	ND<40	FALSE
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-3	12/10/2015	ND<40	FALSE
GWC-3	6/15/2016	ND<40	FALSE
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-3A	12/10/2015	ND<40	FALSE
GWC-3A	6/15/2016	ND<40	FALSE
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-4	12/10/2015	ND<40	FALSE
GWC-4	6/17/2016	ND<40	FALSE
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-4A	12/10/2015	ND<40	FALSE
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Cobalt

GWC-4A	6/17/2016	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-8	12/10/2015	ND<40	FALSE
GWC-8	6/16/2016	ND<40	FALSE
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-8A	12/10/2015	ND<40	FALSE
GWC-8A	6/16/2016	ND<40	FALSE
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-24	6/14/2016	ND<40	FALSE
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

Non-Parametric Tolerance Interval

Parameter: Nickel

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 95.6044%

Background measurements (n) = 24

Maximum Background Concentration = 20

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWA-1A	12/8/2015	ND<20	FALSE
GWA-1A	6/14/2016	ND<20	FALSE
GWA-1A	12/7/2016	ND<20	FALSE
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GWC-10A	12/13/2017	ND<20	FALSE

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GWC-18	6/15/2021	ND<20	FALSE
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GWC-19R	12/16/2020	ND<20	FALSE
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GWC-2	6/21/2018	ND<20	FALSE
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GWC-3	6/16/2021	ND<20	FALSE
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GWC-8	12/9/2016	ND<20	FALSE
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GWC-8A	12/10/2015	ND<20	FALSE
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GWC-24	6/14/2016	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	ND<20	FALSE
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GWC-24	6/15/2021	ND<20	FALSE

Zinc

Non-Parametric Tolerance Interval

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 70.8791%

Background measurements (n) = 24

Maximum Background Concentration = 48

Minimum Coverage = 88.3%

Average Coverage = 96%

Location	Date	Value	Significant
GWA-1A	12/8/2015	ND<20	FALSE
GWA-1A	6/14/2016	ND<20	FALSE
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-3	12/8/2015	43	FALSE
GWA-3	6/14/2016	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	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

GWC-10	12/8/2015	26	FALSE
GWC-10	6/15/2016	ND<20	FALSE
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
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GWC-10	12/13/2019	86.4	TRUE
GWC-10	6/25/2020	27.9	FALSE
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Zinc

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GWC-12	12/22/2020	ND<20	FALSE
GWC-12	6/16/2021	ND<20	FALSE
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GWC-13	6/20/2018	ND<20	FALSE
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

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GWC-13	12/16/2020	ND<20	FALSE
GWC-13	6/16/2021	ND<20	FALSE
<hr/>			
GWC-17	12/8/2015	ND<20	FALSE
GWC-17	6/14/2016	ND<20	FALSE
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
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GWC-5	12/8/2015	ND<20	FALSE
GWC-5	6/15/2016	ND<20	FALSE
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
<hr/>			
GWC-7	12/8/2015	27	FALSE
GWC-7	6/16/2016	36	FALSE
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
<hr/>			
GWC-15	12/9/2015	39	FALSE
GWC-15	6/16/2016	55	TRUE
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
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GWC-23	12/9/2015	ND<20	FALSE
GWC-23	6/16/2016	ND<20	FALSE

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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-23A	12/9/2015	ND<20	FALSE
GWC-23A	6/15/2016	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-6	12/9/2015	ND<20	FALSE
GWC-6	6/15/2016	ND<20	FALSE
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-9	12/9/2015	38	FALSE
GWC-9	6/15/2016	54	TRUE
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-14	12/10/2015	68	TRUE
GWC-14	6/15/2016	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

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GWC-14	6/16/2021	ND<20	FALSE
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GWC-14A	12/10/2015	20	FALSE
GWC-14A	6/16/2016	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-16A	12/10/2015	ND<20	FALSE
GWC-16A	6/17/2016	ND<20	FALSE
GWC-16A	12/8/2016	ND<20	FALSE
GWC-16A	6/15/2017	79	TRUE
GWC-16A	12/14/2017	ND<20	FALSE
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-18	12/10/2015	ND<20	FALSE
GWC-18	6/14/2016	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-19R	12/10/2015	ND<20	FALSE
GWC-19R	6/16/2016	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-2	12/10/2015	ND<20	FALSE
GWC-2	6/15/2016	ND<20	FALSE

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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-22	12/10/2015	26	FALSE
GWC-22	6/16/2016	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-3	12/10/2015	ND<20	FALSE
GWC-3	6/15/2016	25	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-3A	12/10/2015	ND<20	FALSE
GWC-3A	6/15/2016	ND<20	FALSE
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-4	12/10/2015	62	TRUE
GWC-4	6/17/2016	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-4A	12/10/2015	ND<20	FALSE
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GWC-4A	6/17/2016	ND<20	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-8	12/10/2015	ND<20	FALSE
GWC-8	6/16/2016	ND<20	FALSE
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-8A	12/10/2015	ND<20	FALSE
GWC-8A	6/16/2016	ND<20	FALSE
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-24	6/14/2016	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

Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2021 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
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-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-5	FALSE	96%
1,1-Dichloroethane	GWC-7	FALSE	96%
1,1-Dichloroethane	GWA-1A	FALSE	96%
1,1-Dichloroethane	GWC-17	FALSE	96%
1,1-Dichloroethane	GWC-23	FALSE	96%
1,1-Dichloroethane	GWC-23A	FALSE	96%
1,1-Dichloroethane	GWC-24	FALSE	96%
1,1-Dichloroethane	GWC-6	FALSE	96%
1,1-Dichloroethane	GWC-9	FALSE	96%
1,1-Dichloroethane	GWC-14	FALSE	96%
1,1-Dichloroethane	GWC-14A	TRUE	96%
1,1-Dichloroethane	GWC-15	TRUE	96%
1,1-Dichloroethane	GWC-16A	FALSE	96%
1,1-Dichloroethane	GWC-18	FALSE	96%
1,1-Dichloroethane	GWC-19R	FALSE	96%
1,1-Dichloroethane	GWC-2	FALSE	96%
1,1-Dichloroethane	GWC-22	FALSE	96%
1,1-Dichloroethane	GWC-3	FALSE	96%
1,1-Dichloroethane	GWC-3A	FALSE	96%
1,1-Dichloroethane	GWC-4	FALSE	96%
1,1-Dichloroethane	GWC-4A	FALSE	96%
1,1-Dichloroethane	GWC-14R	TRUE	96%
1,1-Dichloroethane	GWC-8	FALSE	96%
1,1-Dichloroethane	GWC-8A	TRUE	96%
1,1-Dichloroethane	GWC-8R	TRUE	96%
1,2,3-Trichloropropane	GWA-3	FALSE	96%
1,2,3-Trichloropropane	GWC-10	FALSE	96%
1,2,3-Trichloropropane	GWC-10A	FALSE	96%
1,2,3-Trichloropropane	GWC-11	FALSE	96%
1,2,3-Trichloropropane	GWC-12	FALSE	96%
1,2,3-Trichloropropane	GWC-12A	FALSE	96%
1,2,3-Trichloropropane	GWC-13	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 2021 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
1,2,3-Trichloropropane	GWC-5	FALSE	96%
1,2,3-Trichloropropane	GWC-7	FALSE	96%
1,2,3-Trichloropropane	GWA-1A	FALSE	96%
1,2,3-Trichloropropane	GWC-17	FALSE	96%
1,2,3-Trichloropropane	GWC-23	FALSE	96%
1,2,3-Trichloropropane	GWC-23A	FALSE	96%
1,2,3-Trichloropropane	GWC-24	FALSE	96%
1,2,3-Trichloropropane	GWC-6	FALSE	96%
1,2,3-Trichloropropane	GWC-9	FALSE	96%
1,2,3-Trichloropropane	GWC-14	FALSE	96%
1,2,3-Trichloropropane	GWC-14A	FALSE	96%
1,2,3-Trichloropropane	GWC-15	FALSE	96%
1,2,3-Trichloropropane	GWC-16A	FALSE	96%
1,2,3-Trichloropropane	GWC-18	FALSE	96%
1,2,3-Trichloropropane	GWC-19R	FALSE	96%
1,2,3-Trichloropropane	GWC-2	FALSE	96%
1,2,3-Trichloropropane	GWC-22	FALSE	96%
1,2,3-Trichloropropane	GWC-3	FALSE	96%
1,2,3-Trichloropropane	GWC-3A	FALSE	96%
1,2,3-Trichloropropane	GWC-4	FALSE	96%
1,2,3-Trichloropropane	GWC-4A	FALSE	96%
1,2,3-Trichloropropane	GWC-14R	<i>Passed KW</i>	96%
1,2,3-Trichloropropane	GWC-8	FALSE	96%
1,2,3-Trichloropropane	GWC-8A	FALSE	96%
1,2,3-Trichloropropane	GWC-8R	FALSE	96%
Benzene	GWA-3	FALSE	96%
Benzene	GWC-10	FALSE	96%
Benzene	GWC-10A	FALSE	96%
Benzene	GWC-11	FALSE	96%
Benzene	GWC-12	FALSE	96%
Benzene	GWC-12A	FALSE	96%
Benzene	GWC-13	FALSE	96%
Benzene	GWC-5	FALSE	96%
Benzene	GWC-7	FALSE	96%
Benzene	GWA-1A	FALSE	96%
Benzene	GWC-17	FALSE	96%
Benzene	GWC-23	FALSE	96%
Benzene	GWC-23A	FALSE	96%
Benzene	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 2021 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Benzene	GWC-6	FALSE	96%
Benzene	GWC-9	FALSE	96%
Benzene	GWC-14	FALSE	96%
Benzene	GWC-14A	TRUE	96%
Benzene	GWC-15	<i>Passed KW</i>	96%
Benzene	GWC-16A	FALSE	96%
Benzene	GWC-18	FALSE	96%
Benzene	GWC-19R	FALSE	96%
Benzene	GWC-2	FALSE	96%
Benzene	GWC-22	FALSE	96%
Benzene	GWC-3	FALSE	96%
Benzene	GWC-3A	FALSE	96%
Benzene	GWC-4	FALSE	96%
Benzene	GWC-4A	FALSE	96%
Benzene	GWC-14R	FALSE	96%
Benzene	GWC-8	FALSE	96%
Benzene	GWC-8A	FALSE	96%
Benzene	GWC-8R	FALSE	96%
Chlorobenzene	GWA-3	FALSE	96%
Chlorobenzene	GWC-10	FALSE	96%
Chlorobenzene	GWC-10A	FALSE	96%
Chlorobenzene	GWC-11	FALSE	96%
Chlorobenzene	GWC-12	FALSE	96%
Chlorobenzene	GWC-12A	FALSE	96%
Chlorobenzene	GWC-13	FALSE	96%
Chlorobenzene	GWC-5	FALSE	96%
Chlorobenzene	GWC-7	FALSE	96%
Chlorobenzene	GWA-1A	FALSE	96%
Chlorobenzene	GWC-17	FALSE	96%
Chlorobenzene	GWC-23	FALSE	96%
Chlorobenzene	GWC-23A	FALSE	96%
Chlorobenzene	GWC-24	FALSE	96%
Chlorobenzene	GWC-6	FALSE	96%
Chlorobenzene	GWC-9	FALSE	96%
Chlorobenzene	GWC-14	FALSE	96%
Chlorobenzene	GWC-14A	<i>Passed KW</i>	96%
Chlorobenzene	GWC-15	FALSE	96%
Chlorobenzene	GWC-16A	FALSE	96%
Chlorobenzene	GWC-18	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 2021 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Chlorobenzene	GWC-19R	FALSE	96%
Chlorobenzene	GWC-2	FALSE	96%
Chlorobenzene	GWC-22	FALSE	96%
Chlorobenzene	GWC-3	FALSE	96%
Chlorobenzene	GWC-3A	FALSE	96%
Chlorobenzene	GWC-4	FALSE	96%
Chlorobenzene	GWC-4A	FALSE	96%
Chlorobenzene	GWC-14R	FALSE	96%
Chlorobenzene	GWC-8	FALSE	96%
Chlorobenzene	GWC-8A	FALSE	96%
Chlorobenzene	GWC-8R	FALSE	96%
Chloroethane	GWA-3	FALSE	96%
Chloroethane	GWC-10	FALSE	96%
Chloroethane	GWC-10A	FALSE	96%
Chloroethane	GWC-11	FALSE	96%
Chloroethane	GWC-12	FALSE	96%
Chloroethane	GWC-12A	FALSE	96%
Chloroethane	GWC-13	FALSE	96%
Chloroethane	GWC-5	FALSE	96%
Chloroethane	GWC-7	FALSE	96%
Chloroethane	GWA-1A	FALSE	96%
Chloroethane	GWC-17	FALSE	96%
Chloroethane	GWC-23	FALSE	96%
Chloroethane	GWC-23A	FALSE	96%
Chloroethane	GWC-24	FALSE	96%
Chloroethane	GWC-6	FALSE	96%
Chloroethane	GWC-9	FALSE	96%
Chloroethane	GWC-14	FALSE	96%
Chloroethane	GWC-14A	TRUE	96%
Chloroethane	GWC-15	FALSE	96%
Chloroethane	GWC-16A	FALSE	96%
Chloroethane	GWC-18	FALSE	96%
Chloroethane	GWC-19R	FALSE	96%
Chloroethane	GWC-2	FALSE	96%
Chloroethane	GWC-22	FALSE	96%
Chloroethane	GWC-3	FALSE	96%
Chloroethane	GWC-3A	FALSE	96%
Chloroethane	GWC-4	FALSE	96%
Chloroethane	GWC-4A	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 2021 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Chloroethane	GWC-14R	FALSE	96%
Chloroethane	GWC-8	FALSE	96%
Chloroethane	GWC-8A	FALSE	96%
Chloroethane	GWC-8R	FALSE	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-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-5	FALSE	96%
cis-1,2-Dichloroethene	GWC-7	FALSE	96%
cis-1,2-Dichloroethene	GWA-1A	FALSE	96%
cis-1,2-Dichloroethene	GWC-17	TRUE	96%
cis-1,2-Dichloroethene	GWC-23	FALSE	96%
cis-1,2-Dichloroethene	GWC-23A	FALSE	96%
cis-1,2-Dichloroethene	GWC-24	FALSE	96%
cis-1,2-Dichloroethene	GWC-6	FALSE	96%
cis-1,2-Dichloroethene	GWC-9	FALSE	96%
cis-1,2-Dichloroethene	GWC-14	FALSE	96%
cis-1,2-Dichloroethene	GWC-14A	TRUE	96%
cis-1,2-Dichloroethene	GWC-15	TRUE	96%
cis-1,2-Dichloroethene	GWC-16A	TRUE	96%
cis-1,2-Dichloroethene	GWC-18	TRUE	96%
cis-1,2-Dichloroethene	GWC-19R	TRUE	96%
cis-1,2-Dichloroethene	GWC-2	FALSE	96%
cis-1,2-Dichloroethene	GWC-22	FALSE	96%
cis-1,2-Dichloroethene	GWC-3	FALSE	96%
cis-1,2-Dichloroethene	GWC-3A	FALSE	96%
cis-1,2-Dichloroethene	GWC-4	FALSE	96%
cis-1,2-Dichloroethene	GWC-4A	FALSE	96%
cis-1,2-Dichloroethene	GWC-14R	TRUE	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%
Tetrachloroethene	GWA-3	FALSE	96%
Tetrachloroethene	GWC-10	FALSE	96%
Tetrachloroethene	GWC-10A	FALSE	96%

Notes:

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Forsyth County - Hightower Road MSWLF - Phases II-IV
 First 2021 Groundwater Monitoring Event
 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Tetrachloroethene	GWC-11	FALSE	96%
Tetrachloroethene	GWC-12	FALSE	96%
Tetrachloroethene	GWC-12A	FALSE	96%
Tetrachloroethene	GWC-13	FALSE	96%
Tetrachloroethene	GWC-5	FALSE	96%
Tetrachloroethene	GWC-7	FALSE	96%
Tetrachloroethene	GWA-1A	FALSE	96%
Tetrachloroethene	GWC-17	FALSE	96%
Tetrachloroethene	GWC-23	FALSE	96%
Tetrachloroethene	GWC-23A	FALSE	96%
Tetrachloroethene	GWC-24	FALSE	96%
Tetrachloroethene	GWC-6	FALSE	96%
Tetrachloroethene	GWC-9	FALSE	96%
Tetrachloroethene	GWC-14	FALSE	96%
Tetrachloroethene	GWC-14A	FALSE	96%
Tetrachloroethene	GWC-15	TRUE	96%
Tetrachloroethene	GWC-16A	FALSE	96%
Tetrachloroethene	GWC-18	TRUE	96%
Tetrachloroethene	GWC-19R	FALSE	96%
Tetrachloroethene	GWC-2	FALSE	96%
Tetrachloroethene	GWC-22	FALSE	96%
Tetrachloroethene	GWC-3	FALSE	96%
Tetrachloroethene	GWC-3A	FALSE	96%
Tetrachloroethene	GWC-4	FALSE	96%
Tetrachloroethene	GWC-4A	FALSE	96%
Tetrachloroethene	GWC-14R	FALSE	96%
Tetrachloroethene	GWC-8	FALSE	96%
Tetrachloroethene	GWC-8A	FALSE	96%
Tetrachloroethene	GWC-8R	FALSE	96%
Trichloroethene	GWA-3	FALSE	96%
Trichloroethene	GWC-10	FALSE	96%
Trichloroethene	GWC-10A	FALSE	96%
Trichloroethene	GWC-11	FALSE	96%
Trichloroethene	GWC-12	FALSE	96%
Trichloroethene	GWC-12A	FALSE	96%
Trichloroethene	GWC-13	FALSE	96%
Trichloroethene	GWC-5	FALSE	96%
Trichloroethene	GWC-7	FALSE	96%
Trichloroethene	GWA-1A	FALSE	96%

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Forsyth County - Hightower Road MSWLF - Phases II-IV
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 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Trichloroethene	GWC-17	FALSE	96%
Trichloroethene	GWC-23	FALSE	96%
Trichloroethene	GWC-23A	FALSE	96%
Trichloroethene	GWC-24	FALSE	96%
Trichloroethene	GWC-6	FALSE	96%
Trichloroethene	GWC-9	FALSE	96%
Trichloroethene	GWC-14	FALSE	96%
Trichloroethene	GWC-14A	FALSE	96%
Trichloroethene	GWC-15	TRUE	96%
Trichloroethene	GWC-16A	FALSE	96%
Trichloroethene	GWC-18	FALSE	96%
Trichloroethene	GWC-19R	FALSE	96%
Trichloroethene	GWC-2	FALSE	96%
Trichloroethene	GWC-22	FALSE	96%
Trichloroethene	GWC-3	FALSE	96%
Trichloroethene	GWC-3A	FALSE	96%
Trichloroethene	GWC-4	FALSE	96%
Trichloroethene	GWC-4A	FALSE	96%
Trichloroethene	GWC-14R	TRUE	96%
Trichloroethene	GWC-8	FALSE	96%
Trichloroethene	GWC-8A	FALSE	96%
Trichloroethene	GWC-8R	<i>Passed KW</i>	96%
Vinyl chloride	GWA-3	FALSE	96%
Vinyl chloride	GWC-10	FALSE	96%
Vinyl chloride	GWC-10A	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-5	FALSE	96%
Vinyl chloride	GWC-7	FALSE	96%
Vinyl chloride	GWA-1A	FALSE	96%
Vinyl chloride	GWC-17	FALSE	96%
Vinyl chloride	GWC-23	FALSE	96%
Vinyl chloride	GWC-23A	FALSE	96%
Vinyl chloride	GWC-24	FALSE	96%
Vinyl chloride	GWC-6	FALSE	96%
Vinyl chloride	GWC-9	FALSE	96%
Vinyl chloride	GWC-14	FALSE	96%

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 Non-Parametric Tolerance Interval Statistical Analysis Summary

Parameter Name	Well ID	Statistically Significant	Confidence Level
Vinyl chloride	GWC-14A	TRUE	96%
Vinyl chloride	GWC-15	FALSE	96%
Vinyl chloride	GWC-16A	FALSE	96%
Vinyl chloride	GWC-18	FALSE	96%
Vinyl chloride	GWC-19R	FALSE	96%
Vinyl chloride	GWC-2	FALSE	96%
Vinyl chloride	GWC-22	FALSE	96%
Vinyl chloride	GWC-3	FALSE	96%
Vinyl chloride	GWC-3A	FALSE	96%
Vinyl chloride	GWC-4	FALSE	96%
Vinyl chloride	GWC-4A	FALSE	96%
Vinyl chloride	GWC-14R	FALSE	96%
Vinyl chloride	GWC-8	FALSE	96%
Vinyl chloride	GWC-8A	FALSE	96%
Vinyl chloride	GWC-8R	FALSE	96%
Barium	GWA-1A	FALSE	96%
Barium	GWA-3	FALSE	96%
Barium	GWC-10	FALSE	96%
Barium	GWC-10A	FALSE	96%
Barium	GWC-11	FALSE	96%
Barium	GWC-12	FALSE	96%
Barium	GWC-12A	FALSE	96%
Barium	GWC-13	FALSE	96%
Barium	GWC-17	FALSE	96%
Barium	GWC-5	FALSE	96%
Barium	GWC-7	FALSE	96%
Barium	GWC-15	TRUE	96%
Barium	GWC-23	FALSE	96%
Barium	GWC-23A	FALSE	96%
Barium	GWC-6	FALSE	96%
Barium	GWC-9	TRUE	96%
Barium	GWC-14	FALSE	96%
Barium	GWC-14A	TRUE	96%
Barium	GWC-16A	FALSE	96%
Barium	GWC-18	TRUE	96%
Barium	GWC-19R	TRUE	96%
Barium	GWC-2	FALSE	96%
Barium	GWC-22	FALSE	96%
Barium	GWC-3	FALSE	96%

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Parameter Name	Well ID	Statistically Significant	Confidence Level
Barium	GWC-3A	FALSE	96%
Barium	GWC-4	FALSE	96%
Barium	GWC-4A	FALSE	96%
Barium	GWC-8	<i>Passed KW</i>	96%
Barium	GWC-8A	TRUE	96%
Barium	GWC-24	FALSE	96%
Cobalt	GWA-1A	FALSE	96%
Cobalt	GWA-3	FALSE	96%
Cobalt	GWC-10	FALSE	96%
Cobalt	GWC-10A	FALSE	96%
Cobalt	GWC-11	FALSE	96%
Cobalt	GWC-12	FALSE	96%
Cobalt	GWC-12A	FALSE	96%
Cobalt	GWC-13	FALSE	96%
Cobalt	GWC-17	FALSE	96%
Cobalt	GWC-5	FALSE	96%
Cobalt	GWC-7	FALSE	96%
Cobalt	GWC-15	FALSE	96%
Cobalt	GWC-23	FALSE	96%
Cobalt	GWC-23A	FALSE	96%
Cobalt	GWC-6	FALSE	96%
Cobalt	GWC-9	FALSE	96%
Cobalt	GWC-14	TRUE	96%
Cobalt	GWC-14A	TRUE	96%
Cobalt	GWC-16A	FALSE	96%
Cobalt	GWC-18	FALSE	96%
Cobalt	GWC-19R	<i>Passed KW</i>	96%
Cobalt	GWC-2	FALSE	96%
Cobalt	GWC-22	FALSE	96%
Cobalt	GWC-3	FALSE	96%
Cobalt	GWC-3A	FALSE	96%
Cobalt	GWC-4	FALSE	96%
Cobalt	GWC-4A	FALSE	96%
Cobalt	GWC-8	FALSE	96%
Cobalt	GWC-8A	FALSE	96%
Cobalt	GWC-24	FALSE	96%
Nickel	GWA-1A	FALSE	96%
Nickel	GWA-3	FALSE	96%
Nickel	GWC-10	FALSE	96%

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Nickel	GWC-10A	FALSE	96%
Nickel	GWC-11	FALSE	96%
Nickel	GWC-12	FALSE	96%
Nickel	GWC-12A	FALSE	96%
Nickel	GWC-13	FALSE	96%
Nickel	GWC-17	FALSE	96%
Nickel	GWC-5	FALSE	96%
Nickel	GWC-7	FALSE	96%
Nickel	GWC-15	FALSE	96%
Nickel	GWC-23	FALSE	96%
Nickel	GWC-23A	FALSE	96%
Nickel	GWC-6	FALSE	96%
Nickel	GWC-9	FALSE	96%
Nickel	GWC-14	FALSE	96%
Nickel	GWC-14A	TRUE	96%
Nickel	GWC-16A	FALSE	96%
Nickel	GWC-18	FALSE	96%
Nickel	GWC-19R	FALSE	96%
Nickel	GWC-2	FALSE	96%
Nickel	GWC-22	FALSE	96%
Nickel	GWC-3	FALSE	96%
Nickel	GWC-3A	FALSE	96%
Nickel	GWC-4	FALSE	96%
Nickel	GWC-4A	FALSE	96%
Nickel	GWC-8	FALSE	96%
Nickel	GWC-8A	FALSE	96%
Nickel	GWC-24	FALSE	96%
Zinc	GWA-1A	FALSE	96%
Zinc	GWA-3	FALSE	96%
Zinc	GWC-10	FALSE	96%
Zinc	GWC-10A	FALSE	96%
Zinc	GWC-11	FALSE	96%
Zinc	GWC-12	FALSE	96%
Zinc	GWC-12A	FALSE	96%
Zinc	GWC-13	FALSE	96%
Zinc	GWC-17	FALSE	96%
Zinc	GWC-5	FALSE	96%
Zinc	GWC-7	FALSE	96%
Zinc	GWC-15	FALSE	96%

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Parameter Name	Well ID	Statistically Significant	Confidence Level
Zinc	GWC-23	FALSE	96%
Zinc	GWC-23A	FALSE	96%
Zinc	GWC-6	<i>Passed KW</i>	96%
Zinc	GWC-9	FALSE	96%
Zinc	GWC-14	FALSE	96%
Zinc	GWC-14A	FALSE	96%
Zinc	GWC-16A	FALSE	96%
Zinc	GWC-18	FALSE	96%
Zinc	GWC-19R	FALSE	96%
Zinc	GWC-2	FALSE	96%
Zinc	GWC-22	FALSE	96%
Zinc	GWC-3	FALSE	96%
Zinc	GWC-3A	FALSE	96%
Zinc	GWC-4	FALSE	96%
Zinc	GWC-4A	FALSE	96%
Zinc	GWC-8	FALSE	96%
Zinc	GWC-8A	FALSE	96%
Zinc	GWC-24	FALSE	96%

Notes:

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