

# 2019 First Semi-Annual Groundwater Monitoring & Corrective Action Report

Plant Bowen

Cells 1 & 2

Cells 3 & 4

Cells 9 & 10

Solid Waste Disposal Facility

Permit No. 008-018D (LI)

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**Prepared for:**



**Date:** August 29, 2019

**Prepared by:** Wood Environment & Infrastructure Solutions, Inc.  
1075 Big Shanty Road NW, Suite 100, Kennesaw, Georgia 30144

**Project No.:** 6122-16-0287

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28 August 2019

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**RE: 2019 First Semi-Annual Groundwater Monitoring Report  
Plant Bowen Facility Landfill Cells 1&2, 3&4, and 9&10  
Wood Environment & Infrastructure Solutions, Inc. Project 6122-16-0287**

Dear Mr. Hodges:

Wood Environment & Infrastructure Solutions, Inc., is pleased to submit the attached 2019 First Semi-Annual Groundwater Monitoring Report for the Plant Bowen Facility Landfill Cells 1&2, 3&4, and 9&10 in Cartersville, Georgia. The enclosed report is for your submittal to the Georgia Environmental Protection Division. The report is required by the facility's Solid Waste Disposal Facility Permit No. 008-018D LI.

We appreciate the opportunity to provide environmental consulting services to the Georgia Power Company and Southern Company Services. Please feel free to contact us at (770) 421-3400 if you have questions or require additional information.

Sincerely,

**Wood Environment & Infrastructure Solutions, Inc.**

Rhonda N. Quinn, P.G.  
Senior Geologist

Gregory J. Wrenn, P.E.  
Associate Engineer/Project Manager

Enclosure: 2019 First Semi-Annual Groundwater Monitoring Report (2 Paper & 2 PDF copies)

cc: Mr. Joju Abraham, SCS (via Share Point)



**GEORGIA POWER COMPANY  
PLANT BOWEN  
SOLID WASTE DISPOSAL FACILITY  
PERMIT NO. 008-018D (LI)**

**2019 FIRST SEMI-ANNUAL  
GROUNDWATER MONITORING & CORRECTIVE ACTION REPORT**

**CERTIFICATION STATEMENT**

This 2019 First Semi-Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Company - Plant Bowen Solid Waste Facility Landfill Cells 1 & 2, 3 & 4, and 9 & 10 has been prepared in compliance with the United States Environmental Protection Agency coal combustion residual rule [40 Code of Federal Regulations (CFR) 257 Subpart D] and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with Wood Environment & Infrastructure Solutions, Inc.

Wood certifies that all Site constituents were below the applicable Georgia maximum contaminant levels (MCL) with the exception of antimony in upgradient well GWA-39RZ at Cells 9 & 10, and downgradient well GWC-16R at Cells 3 & 4 in the March 2019 event. The reported antimony concentrations of 0.014 mg/L in GWA-39RZ, 0.020 mg/L in GWC-16R exceeded the Georgia MCL of 0.006 mg/L. Alternate Source Demonstrations (ASD), dated August 2017 and April 2018, show antimony is the result of natural variability in the groundwater quality. In a letter dated January 30, 2019, EPD approved the April 2018 ASD for antimony.



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## 1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (US EPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D and the Georgia Environmental Protection Division (EPD) Rules of Solid Waste Management 391-3-4-.10, this 2019 First Semi-Annual Groundwater Monitoring & Corrective Action Report has been prepared to document groundwater monitoring activities conducted during the first half of 2019 at Georgia Power Company's (GPC's) Plant Bowen solid waste disposal facility Cells 1 & 2, 3 & 4, and 9 & 10 (Site).

Groundwater monitoring is an on-going activity conducted under the requirements of the Georgia Solid Waste Permit No. 008-018D (LI) and in accordance with the specifications in the Design and Operation (D&O) Plan. This includes semi-annual groundwater sampling and groundwater level monitoring at the Site. A minor modification, dated August 9, 2017, approved the addition of Appendix III and IV parameters contained in the U.S. Federal regulations 40 CFR 257 Subpart D to the groundwater monitoring plan in Solid Waste Permit No. 008-018D (LI). An application for a new Georgia CCR permit was submitted in November 2018 for the facility to replace the Solid Waste Permit.

This report provides the results from the first semi-annual sampling event of 2019 conducted in March 2019 at Cells 1 & 2, Cells 3 & 4, and Cells 9 & 10. This sampling event includes the scheduled semi-annual sampling for EPD's Solid Waste Permit constituents and the US EPA's CCR Appendix III constituents. The following sections describe the Site's groundwater monitoring program, analytical data collected from the sampling events, statistical analysis of the data, a description of groundwater flow, and a discussion of the current findings at the Site. Statistical analysis for constituents in the State D&O Plan and the Federal CCR Appendix III constituents are included in this report.

### 1.1 Site Description and Background

Georgia Power Company's (GPC) Plant Bowen solid waste disposal facility is located in Bartow County off State Highway 113, approximately 7 miles west-southwest of Cartersville and 20 miles southeast of Rome (**Figure 1: Site Location Map**). The disposal facility is approximately 300 acres located on a previously undeveloped, contiguous portion of the plant property. The Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 are located on the northeast portion of the Plant Bowen property. The disposal facility receives coal combustion by-products, coal ash and gypsum, from coal power generating processes at the Site. The landfill cells are lined in accordance with Solid Waste Permit No. 008-018D (LI). Cells 3 & 4 have a leachate collection system. Gypsum placement in disposal Cells 1 & 2 began in November 2008, whereas ash placement in disposal Cells 3 & 4 began in February 2015. Waste placement operations were initiated in Cells 9 & 10 in November 2015. Cells 9 & 10 are only used to store non-marketable gypsum. Cells 5, 6, 7, and 8 are undeveloped at this time and will be used as future cells.

A well network around each of the active disposal cells monitors the groundwater conditions at the Site. The monitoring well locations are shown in **Figure 2: Monitoring Well Network -**

**March 2019.** A subset of the monitoring wells is equipped with data loggers and telemetry systems for water level measurements and data transmission for real-time monitoring of groundwater levels in the subsurface karst geology.

Background sampling for CCR parameters began in February 2016 and was completed in August 2017 and CCR detection monitoring is in progress. The CCR background study results and statistical analysis were presented in the 2017 Annual Groundwater Monitoring and Corrective Action Report required under the CCR Rules. The 2018 Annual Groundwater Monitoring and Corrective Action Report presented the data for the two 2018 semi-annual CCR detection monitoring events.

## **1.2 Regional Geology and Hydrogeologic Setting**

The geology and hydrogeology of the Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 area are summarized below. The Plant Bowen Site lies within the Valley and Ridge physiographic province about three to four miles north of the Cartersville Fault. The Cartersville Fault separates the late Precambrian-aged metamorphic rocks to the east and south from the Cambrian-aged sedimentary rocks to the north-northwest and west.

The lithologies present in the landfill area of the plant Site from the ground surface to depth are terrace deposits, a residuum clay overburden, dolomite, and limestone bedrock. The Knox Group (dolomite and limestone bedrock) produces a characteristic orange to red clayey residuum (overburden) that ranges in thickness from 19 to 127 feet across the Plant Bowen Site and often contains weathered chert and dolomite fragments. Silt and clay with some gravel and sand (terrace deposits) overlay the clayey residuum in some areas but are not continuous across the landfill area.

Two main hydrostratigraphic layers (water-bearing zones) are present at the Plant Bowen Site: overburden (residuum clay), and bedrock (dolomite and limestone) – both units comprise the uppermost aquifer for groundwater monitoring purposes. Overburden materials are very heterogeneous ranging in composition from well-graded gravelly sand to fat clay. Bedrock underlying the Site (officially mapped as Knox undifferentiated) is a carbonate bedrock. Karst features within the underlying carbonate bedrock are predominately formed along initial discontinuities including joints, fissures (slots), fractures, and bedding planes or other linear features. These karst features may be partially or completely filled with soft unconsolidated sediments or may be empty or filled with water.

The water table commonly occurs in the lower overburden, but at some locations the water table is near the overburden-bedrock interface or in the upper fractured bedrock. Based on this data, it is likely that the overburden and bedrock are essentially a single inter-connected water-bearing zone below the unsaturated overburden. Therefore, the overburden and the upper fractured sedimentary bedrock together comprise the uppermost aquifer beneath the landfill area.

The groundwater flow in the Landfill Cells 1 & 2, 3 & 4, 9 & 10 area is to the north-northeast and west-northwest. However, there are variations in groundwater flow direction due to heterogeneous and anisotropic conditions at the Site.

### 1.3 Groundwater Monitoring Network

There are three developed disposal units comprising the CCR Landfill Cells 1 & 2, Cells 3 & 4, and Cells 9 & 10. The groundwater monitoring network is described below.

A groundwater monitoring system was installed within the uppermost aquifer at the Site. The monitoring system is designed to monitor groundwater passing the waste boundary of the CCR Units within the uppermost aquifer beneath the units. Wells were located to serve as upgradient and downgradient monitoring points based on groundwater flow direction. **Tables 1A to 1C: Summary of Well Construction and Groundwater Elevations Cells 1 & 2, Cells 3 & 4, Cells 9 & 10** provide the pertinent construction details for the well network at the Site.

The current monitoring well network at disposal Cells 1 & 2 consists of 29 wells (9 upgradient and 20 downgradient wells) at 17 locations, as a result of some wells located in a cluster representing the overburden and the bedrock. Sixteen wells are screened in the overburden and 13 wells in the upper bedrock. Additionally, five wells are monitored for water levels only.

The current monitoring well network at disposal Cells 3 & 4 consists of 23 monitoring wells at 19 locations. Nine wells are screened in the overburden and 14 wells in the upper bedrock. This well network currently consists of 12 upgradient wells, and 11 downgradient wells.

The current monitoring network at disposal Cells 9 & 10 consists of 17 monitoring wells at 11 locations. Ten wells are screened in the overburden and 7 wells in the upper bedrock. This well network currently consists of 8 upgradient wells and 9 downgradient wells.

The monitoring wells were sampled for the 16 Solid Waste Permit metals and 5 field parameters, as specified in the D&O Plan for the Site. The wells were also sampled for the seven CCR Appendix III parameters. In accordance with §391-3-4 for the 16 Solid Waste Permit metals and §257.94(e) for the Appendix III parameters, data from all wells were compared to the appropriate standards in accordance with regulatory requirements for drinking water.

## 2.0 GROUNDWATER MONITORING ACTIVITIES

The following describes monitoring-related activities performed during the first half of 2019 and discusses any change in status of the monitoring program. In March 2019, samples were collected from each well in the certified monitoring system shown on **Figure 2**. Downgradient well GWC-8Z was not sampled during the March 2019 sampling event due to elevated turbidity, the well was re-developed twice and subsequently sampled on May 6, 2019.

### 2.1 Monitoring Well Installation and Maintenance

There was no change to the groundwater monitoring system during the first half of 2019; the network remained the same as in the 2018 (previous) reporting year. Monitoring well-related activities were limited to the following: visual inspection of well conditions prior to sampling, recording the Site conditions, and performing exterior maintenance to conduct sampling under safe and clean conditions.

### 2.2 Detection Monitoring Program

In accordance with §257.94(b), the detection groundwater monitoring program continued in the first half of 2019. Groundwater samples were collected semi-annually from each monitoring well and analyzed for Appendix III constituents (boron, calcium, chloride, fluoride, pH, sulfate, and Total Dissolved Solids) according to §257.94(a). Data reports for the first 2019 detection monitoring event are included in **Appendix A: Laboratory Analytical and Field Sampling Reports March 2019**. Statistical exceedances were identified during the 2019 monitoring event and were addressed with alternate source demonstrations.

### 2.3 Other Groundwater Sampling

In addition to sampling and analyzing the Appendix III parameters, the 16 Solid Waste Permit metals listed below were also sampled and analyzed concurrent with the first 2019 semi-annual CCR detection monitoring event as required by the Georgia Solid Waste Permit (No. 008-018D (LI)).

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

The laboratory reports for these monitoring events are provided in **Appendix A**.

### 3.0 SAMPLE METHODOLOGY & ANALYSES

The following sections describe the methods used to conduct groundwater monitoring at Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 CCR unit during the first 2019 semi-annual event.

#### 3.1 Groundwater Elevation Measurements and Flow Direction

Prior to each sampling event, groundwater levels were measured and recorded to the nearest 0.01 foot within a 24-hour period from each well in the certified networks for Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10. Groundwater levels recorded during the March 2019 monitoring event are summarized in **Tables 1A to 1C: Summary of Well Construction and Groundwater Elevations**. Groundwater elevations vary between landfill cells due to topographic variations and anisotropic conditions in the overburden-bedrock aquifer. Also, groundwater elevations are mostly similar between the overburden and the upper bedrock at most onsite locations indicating a hydraulic communication between the overburden and upper bedrock. Groundwater levels typically varied within a one foot range in the overburden and upper bedrock within most well clusters, with the exception of well clusters, namely, GWC-6/GWC-6RZ, GWC-13/GWC-13RZ, GWC-45/GWC-45R, and GWA-50/GWA-50R that showed greater variations.

Groundwater levels from the March 2019 detection monitoring event were used to develop potentiometric surface elevation contour maps provided as **Figure 3: Potentiometric Surface – Overburden Wells – March 2019** and **Figure 4: Potentiometric Surface – Rock Wells – March 2019**. The general direction of groundwater flow in the overburden in the Landfill Cells 1 & 2 and 9 & 10 area is to the north-northeast. Groundwater flow in the overburden in the Landfill Cells 3 & 4 is to west (**Figure 3**). The general groundwater flow direction in the bedrock is similar to the overburden, with groundwater flow in the bedrock in the Landfill Cells 1 & 2 and 9 & 10 area is to the north-northeast. Groundwater flow in the bedrock in the Landfill Cells 3 & 4 area is to the west-northwest (**Figure 4**). The groundwater flow patterns observed during the March 2019 detection monitoring event are consistent with historic observations.

#### 3.2 Groundwater Gradient and Flow Velocity

Groundwater flow velocities were calculated for the Site based on hydraulic gradients, hydraulic conductivity from previous slug test results, and an estimated effective porosity of 0.01 (based on default soil type value for silty clays to clays in USEPA 530/SW-89-031) of the screened horizon. The average hydraulic conductivity (measured in centimeters/second or cm/sec) values used in the soil aquifer calculations ( $2.54 \times 10^{-5}$  cm/sec = 0.072 ft/day) and the bedrock aquifer calculations ( $1.26 \times 10^{-4}$  cm/sec = 0.36 ft/day) are presented in the *Plant Bowen Proposed Coal Combustion By-Product Storage Facility Site Acceptability Report* (Southern Company Services, 2002a). Measured hydraulic conductivity data in the uppermost aquifer at the Site are lower than many karst aquifers, but comparable to fractured carbonate aquifers in the Valley & Ridge region. The hydraulic gradients were calculated between well pairs. Horizontal groundwater flow velocities at Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 were calculated using the commonly-used derivative of Darcy's Law:



Where:

$V =$  Groundwater flow velocity  $\left(\frac{\text{feet}}{\text{day}}\right)$

$K =$  Average Hydraulic Conductivity of the aquifer  $\left(\frac{\text{feet}}{\text{day}}\right)$

$i =$  Horizontal hydraulic gradient  $\left(\frac{\text{feet}}{\text{feet}}\right)$

$n_e =$  Effective porosity

Using this equation, groundwater flow velocities are calculated for various areas of the Site for both overburden and bedrock and are tabulated on **Table 2: Groundwater Flow Velocity Calculations – March 2019**. The velocities presented on **Table 2** were calculated using groundwater elevation data from the March 5, 2019.

Estimated linear groundwater flow velocities for the most recent sampling event range from approximately 0.01 to 0.23 feet per day in the overburden aquifer and from approximately 0.09 to 0.75 feet per day in the bedrock aquifer. Lower groundwater velocities noted in the overburden material are due to the abundance of residual clays in this zone. Higher velocities noted in the bedrock aquifer are attributed to preferential groundwater flow in the fractured bedrock. Groundwater flow in the Knox Dolomite Formation, underlying the Site, occurs in joints, fractures, bedding planes, and solution channels (Croft, 1963). These pathways can facilitate relatively higher groundwater flows in the upper bedrock aquifer. However, the flow rates noted in the upper bedrock wells (**Table 2**) also suggest an abundance of residual clays in the epikarst zone at the Site.

### 3.3 Continuous Water Level Monitoring (Hydrogeologic Monitoring)

GPC continuously monitors groundwater level fluctuations in accordance with the *Plant Bowen Site Acceptability Report - Hydrogeological Assessment and Demonstration of Engineering Measures* (Southern Company Services, 2004). The hydrogeologic monitoring network provides site-wide water-level data which is evaluated for changes in subsurface hydrologic conditions that might be indicative of subsidence and/or sinkhole development. The hydrogeologic data is evaluated weekly and reported semi-annually by Wood. The telemetry equipment maintenance is performed by Wood.

#### 3.3.1 Hydrogeologic Monitoring Network

Hydrogeologic monitoring locations shown on **Figure 2** for Cells 1 & 2, 3 & 4, and 9 & 10 were selected following analysis of the interim data and review of historical groundwater elevations and potentiometric surface maps. Across the landfill cells, there are a total of 37 wells currently equipped with transducers for monitoring water levels. An onsite river gauge is used to monitor surface water elevations in the Etowah River. Alternatively, the USGS river gauge (#02394670) at Cartersville, Georgia is used to monitor the surface water elevations in the Etowah River. Rainfall data is also obtained from the USGS station #02394670 on the Etowah River at Georgia Route 61.

For the hydrogeologic monitoring network, GPC utilized In-Situ® Instruments, Inc.'s Win-Situ® reporting software, and Level Troll 500® pressure transducers. Each pressure transducer was deployed in a selected monitoring well at a fixed depth and linked to its own telemetry box with a vented transducer cable. Groundwater levels are recorded multiple times daily from each well transducer and is programmed to record any fluctuation in water level of  $\pm 0.5$  feet occurring within the 4-hour recording schedule. The telemetry system relays water level data via satellite to a central data storage unit that can be accessed in real-time over the internet; whereby, the data can be checked for unusual groundwater level fluctuations. Groundwater elevations, along with the river stage elevations and rainfall data recorded between November 1, 2018 and April 30, 2019 are provided in this semi-annual monitoring report for the three disposal cell units as **Appendix D: Memorandum on Hydrogeologic Monitoring Program.**

### 3.3.2 Hydrogeologic Monitoring Results

The hydrogeologic monitoring network pressure transducers are operational and collecting continuous groundwater elevation data, with the exceptions described in **Appendix D**. Tables in the hydrogeologic monitoring memo (**Appendix D**) list identified data anomalies and the causes during the monitoring period. The majority of the anomalies noted in daily groundwater elevations are directly attributed to drawdown during sampling events, manual water level gauging, well and transducer maintenance, including corrections for transducer measurement drift by updating elevations based on taped-down measurements, and mechanical/electrical problems with transducers or telemetry units, changes in river stage, or significant rain events. Hydrologic monitoring data from November 1, 2018 to April 30, 2019 did not show water level fluctuations attributed to subsurface changes that might be indicative of land subsidence or sinkhole formation.

### 3.4 Groundwater Sampling

Groundwater samples were collected from monitoring wells using low-flow sampling procedures. Monitoring wells were purged and sampled using a dedicated QED bladder pump or a peristaltic pump using new disposable polyethylene tubing. A SmarTroll (In-Situ field instrument) was used to monitor and record field water quality parameters (pH, conductivity, temperature, oxidation-reduction potential (ORP), and dissolved oxygen) during well purging to verify stabilization prior to sampling. Turbidity was measured using a Hach 2100Q (or similar) portable turbidity meter. Sampling equipment and pump intakes were placed at the midpoint of the well screen. Care was taken to maintain a water level above the top of screen and not draw the water level down below the pump during purging. Water level stabilization was achieved when three consecutive water level measurements vary by 0.3 foot or less at a pumping rate of no less than 100 milliliters per minute (mL/min). Groundwater samples were collected when the following stabilization criteria were met:

- pH  $\pm 0.1$  Standard Units (S.U.);
- Specific conductance  $\pm 5\%$ ;
- 0.2 Mg/L or 10% for DO > 0.5 mg/l (whichever is greater).
- Turbidity measurements less than 10 NTU

Once stabilization was achieved, samples were collected into appropriately-preserved laboratory-supplied sample containers. If turbidity readings are greater than 10 NTU at the time of sampling, a dissolved metals sample is also collected by filtering the water with a 0.45-micron water filter. Total and filtered samples for metals were collected on May 6, 2019 from well GWC-8Z during this event. Sample bottles were placed in ice-packed coolers, and submitted to Pace Analytical, Inc. in Peachtree Corners (Atlanta), Georgia following chain-of-custody protocol.

An ephemeral spring at the Site is checked for water during each groundwater sampling event. There was no water present in the spring during the March 2019 event.

### 3.5 Laboratory Analyses

Cells 1 & 2, 3 & 4 and 9 & 10 monitoring wells were sampled and analyzed for applicable state and federal monitoring parameters. Analytical methods used for groundwater sample analysis are listed on the analytical laboratory reports included in **Appendix A**.

Laboratory analyses were performed by Pace Analytical Services, LLC, of Peachtree Corners (Atlanta), Georgia. The Pace Laboratory is accredited by National Environmental Laboratory Accreditation Program (NELAP) and maintain a NELAP certification for all parameters analyzed. In addition, Pace Laboratories are certified to perform analysis by the State of Georgia. Groundwater data laboratory reports and chain of custody records for the monitoring events are presented in **Appendix A**.

### 3.6 Groundwater Analytical Results

#### 3.6.1 Solid Waste Permit Metals

**Tables 3, 4, and 5: Analytical Data Summary Cells 1 & 2, 3 & 4, and 9 & 10**, summarize the analytical data for 16 Solid Waste Permit metals for the most recent sampling event (March 2019). There are five metals (copper, nickel, silver, vanadium, and zinc) currently being analyzed per requirements of the Georgia Solid Waste Regulations that are not required under the CCR regulations. Of these, zinc is the only constituent consistently detected above the PQL. Zinc concentrations ranged from 0.010 to 0.56 mg/L and are notably lower than the Secondary MCL of 5 mg/L. The complete laboratory and field data sheets are included in **Appendix A**. Time Series data for the Solid Waste Permit metals are provided in **Appendix B**.

In accordance with the Georgia Solid Waste Regulations, the metals data from active monitoring wells at the disposal facility were compared to Georgia drinking water primary and secondary MCLs. With the exception of antimony concentrations in two wells (GWA-39RZ and GWC-16R), the other target constituents were below the primary and secondary MCLs as specified by US EPA and Georgia EPD. The reported antimony concentrations of 0.014 and 0.020 mg/L in wells GWA-39RZ and GWC-16R, respectively, were above the Georgia MCL of 0.006 mg/L. The Alternate Source Demonstrations submitted August 2017 and April 2018 indicate that the antimony in GWC-16R is the result of natural variability in groundwater quality. Well GWA-39RZ is an upgradient well and is not indicative of a release from Cells 9 & 10.

### 3.6.2 CCR Constituents

**Tables 6, 7, and 8: Analytical Data Summary Appendix III - Cells 1 & 2, 3 & 4, and 9 & 10** summarize the analytical data for the seven Appendix III parameters for the March 2019 sampling event. The Appendix III parameter concentrations were less than the Georgia and/or Federal drinking water primary and secondary MCLs. The complete laboratory and field data sheets are included in **Appendix A**. Time Series data for the Appendix III parameters are provided in **Appendix B**.

### 3.7 Quality Assurance & Quality Control

The analytical results provided in **Tables 3 to 8** provide concentrations from the most recent sampling event as reported by the laboratory. When values are followed by a "J" flag, this indicates that the value is an estimated analyte concentration detected between the method detection limit (MDL) and the laboratory reporting limit (PQL). The estimated value is positively identified, but is below lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions.

Quality control procedures included calculating the relative percent difference (RPD) between sample and sample duplicate concentrations. This is calculated as:

$$RPD = \frac{Conc1 - Conc2}{(Conc1 + Conc2) / 2}$$

The RPD calculations are provided in **Table 9: RPD Calculations** for all detected concentrations above the PQL for wells and corresponding duplicates. Other constituents were below the PQL. For a RPD to be representative of the process, the concentrations have to be five times the PQL in accordance with US EPA guidance on inorganic data review, (US EPA August 2014). The RPD values of concentrations five times the PQL ranged within the allowable 20% RPD indicating good sampling precision. Some groundwater results that had reported concentrations below the PQL were reported as non-detects because the constituent concentrations were also detected in an associated blank at a similar level resulting in blank contamination and were flagged with a "U\*".

## 4.0 STATISTICAL ANALYSIS

The Site is currently performing detection monitoring. Statistical analysis of the Solid Waste Permit metals and Appendix III groundwater monitoring data was performed on samples collected from the certified groundwater monitoring network pursuant to §257.93(f) and following the PE-certified statistical analysis plans. The statistical analysis plans used at the Site for the Appendix III parameters were developed in 2017 by MacStat Consulting, Ltd. in accordance with §257.93(f) using methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance*, March 2009, EPA 530/R-09-007 (USEPA, 2009). To develop the statistical method, analytical data collected during the background period were evaluated and used to develop statistical limits for each Appendix III parameter. Subsequent detection monitoring results were compared to the statistical limits to determine if concentrations were statistically different from background.

Historically, interwell statistical methods were used for the 16 Solid Waste Permit metals, in accordance with the D&O Plan. In July 2019, Georgia EPD requested the historic data for the 16 Solid Waste Permit metals be screened to evaluate if interwell or intrawell statistical methods are appropriate at this time. The data was evaluated by Groundwater Stats Consulting in August 2019 and determined intrawell prediction limits statistical method was appropriate for the 16 Solid Waste Permit metals. The barium in well GWC-13RZ was analyzed using a Trend Test. Intrawell statistical analysis was used to evaluate the March 2019 data for the 16 Solid Waste Permit metals and this report reflects the change in statistical methods.

### 4.1 Statistical Method

Sanitas™ is a proprietary decision support software package, developed in 1991, that incorporates the statistical tests required of Subtitle C and D facilities by US EPA regulations and guidance as recommended in the US EPA Unified Guidance (2009) document. A flow diagram showing the decision logic of the statistical procedures utilized in the Sanitas™ software is presented in **Figure 5: Flow Diagram for Prediction Limits**. The Sanitas™ groundwater statistical software was used to perform the statistical analyses of groundwater quality data obtained in March 2019. Interwell and intrawell methods were used, depending on the constituent, for the analysis of the Appendix III parameters. Intrawell methods were used for the 16 Solid Waste Permit metals during the March 2019 event. Groundwater conditions at the Site and data distribution influence which method is selected. Specific test information is provided below.

When using the interwell method, upgradient well data are pooled to establish a background statistical limit. Data from the March 2019 monitoring event were compared to the background statistical limit to evaluate whether concentrations exceed background statistical limits. The selected statistical method uses a 1-of-2 verification resample plan. When an initial statistically significant increase (SSI) or questionable result occurs, a second sample may be collected to verify the initial result or determine if the result was an outlier.

Groundwater quality data with significant natural spatial variation and no pre-existing exceedances of background statistical limits were evaluated using intrawell prediction limits. Using this method,

historical data from within a given well is used to establish statistical limits for future comparisons at the same well. Background data from the parameter at the well (e.g. pH at GWA-36) was used to establish a background statistical limit for that parameter at that well; therefore, each parameter will have a different statistical limit at each well. Data from the March 2019 monitoring event were compared to the statistical limit to determine whether concentrations exceed background statistical limits. The intrawell statistical method uses a 1-of-3 or 1-of-2 verification resample plan. When an SSI or questionable result occurs, up to 2 additional samples using the 1-of-3 verification resample plan may be collected to verify the initial result or determine if the result was an outlier.

If data from a sampling event initially exceed the PL, the resampling strategy may be used to verify the result. If the resamples exceed the PL, the initial exceedance is verified and a statistically significant increase (SSI) is identified. When a resample result does not verify the initial result, and does not exceed the PL, there is no SSI. If resampling is not performed, the initial exceedance is a confirmed exceedance. If the initial finding is not verified by resampling, the resampled value will replace the initial finding. When the resample confirms the initial finding, the exceedance will be reported.

Intrawell prediction limits were used to analyze the 16 Solid Waste Permit metals data for Cells 1 & 2, 3 & 4, and 9 & 10 at the Bowen Landfill Cells. The Appendix III parameters were analyzed using both interwell and intrawell prediction limits as described in the statistical analysis plans prepared for the CCR monitoring program and are summarized below.

#### Landfill Cells 1 & 2

Interwell Prediction Limits: boron, fluoride, chloride, and pH

Intrawell Prediction Limits: calcium, sulfate, and TDS, and 16 Solid Waste Permit metals

#### Landfill Cells 3 & 4

Interwell Prediction Limits: boron, fluoride, and calcium

Intrawell Prediction Limits: chloride, pH, sulfate, and TDS, and 16 Solid Waste Permit metals

#### Landfill Cells 9 & 10

Interwell Prediction Limits: boron, fluoride, and pH

Intrawell Prediction Limits: calcium, chloride, sulfate, and TDS, and 16 Solid Waste Permit metals

Parametric methods are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are nondetects, a nonparametric test is utilized. The confidence level is dependent upon the number of available background samples, resample plan, as well as the number of comparisons. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

Some analytes may have a statistically-significant seasonal trend, based on testing with the non-parametric, seasonal Kruskal-Wallis test. If a statistically significant seasonal trend is found, then the data may be deseasonalized prior to statistical testing. The Sanitas<sup>TM</sup> software did not deseasonalize the March 2019 data.



Time series plots (**Appendix B: Historical Groundwater Monitoring Results**) display concentrations over time for wells and analytes, and may be used to identify suspected increasing or decreasing trends. While trends may be visual, a quantification of the trend and its significance is needed. Background data are tested using the Sen’s Slope/Mann Kendall or linear regression trend test to confirm suspected increasing or decreasing trends. The distribution of the data determines which trend test is used. In the absence of suspected contamination, trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, earlier data will be evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When the historical records of data are truncated for the reasons above, a summary report will be included in **Appendix C: Statistical Results** showing the date ranges used in construction of the statistical limits. Summary tables of the statistical analyses accompany the prediction limits in **Appendix C**.

The following table provides a summary of the statistical methodology used at Cells 1 & 2, 3 & 4, and 9 & 10 for the first 2019 semi-annual event conducted in March 2019.

**Table 10: Statistical Method Summary**  
**Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10**

Statistical Methodology	Data Screening on Proposed Background	Evaluate outliers, trends, and seasonality when sufficient data are available
	Statistical Limits	Interwell statistical limits will be applied on a parameter basis, depending on the appropriateness of the method as determined by the Analysis of Variance.  Intrawell statistical limits will be applied on a parameter basis, depending on the appropriateness of the method.
	Prediction Limits	When data contain between 15-50% nondetects the Kaplan-Meier nondetect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.  Nonparametric when data sets contain greater than 50% non-detects or when data are not normally or transformed-normally distributed.

Statistical Methodology	Management of Non-Detects	<p>When data contain less than 15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the practical quantitation limit (PQL) as reported by the laboratory.</p> <p>When data contain between 15-50% non-detects the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.</p>
	Confidence Intervals	Used in Assessment and Corrective Action monitoring.
	No Statistical Testing	Statistical testing is not required for parameters containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
	Verification Resample Plan	<p>Optional 1-of-2 with minimum of 8 samples per well for interwell testing.</p> <p>Optional 1-of-3 or 1-of-2 with minimum of 8 samples per well for intrawell testing.</p>
	Optional	<ul style="list-style-type: none"> <li>▪ Initial statistical exceedance warrants independent resampling within 90 days.</li> <li>▪ If resample passes, well/parameter is not a confirmed statistically significant increase (SSI).</li> <li>▪ If resample exceeds, well/parameter has a confirmed SSI.</li> <li>▪ If no resample is collected, the original result is deemed verified.</li> </ul>

## 4.2 Statistical Analyses Results

Analytical data from the monitoring event in March 2019 at the Landfill Cells 1 & 2, 3 & 4, 9 & 10 were statistically analyzed in accordance with the D&O Plan and with the PE-certified statistical methods for the CCR groundwater monitoring program.

The statistical analysis and comparison to prediction limits are included as **Appendix C**. Based on the statistical results presented in **Appendix C**, the following summarizes statistical exceedances identified for CCR constituents during the first semiannual monitoring event of 2019.

**Statistical Analysis Summary – CCR Constituents  
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

<b>Appendix III Parameters</b>	<b>Wells with Concentrations Above Prediction Limits</b>
<b>Cells 1 &amp; 2</b>	
Chloride	GWC-13, GWC-13RZ, GWC-14Z
pH	GWC-8RR, GWC-8Z
Sulfate	GWC-15R
<b>Cells 3 &amp; 4</b>	
Calcium	GWC-16R, GWC-17R, GWC-21R, GWC-23R
Chloride	GWC-18, GWC-18R, GWC-20R
Sulfate	GWC-17R, GWC-19R
TDS	GWC-16R
<b>Cells 9 &amp; 10</b>	
Calcium	GWC-44, GWC-49R
Chloride	GWC-45R, GWC-48, GWC-49R
pH	GWC-44, GWC-45, GWC-48
Sulfate	GWC-44, GWC-45R, GWC-47R, GWC-49R
TDS	GWC-45

TDS – Total Dissolved Solids

Based on the statistical results presented in **Appendix C**, the following summarizes statistical exceedances identified for the Solid Waste Permit metals during the first semi-annual monitoring event of 2019.

**Statistical Analysis Summary – Solid Waste Permit Metals  
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

<b>Solid Waste Permit Metals</b>	<b>Wells with Concentrations Above Prediction Limits</b>
<b>Cells 1 &amp; 2</b>	
Barium	GWC-13RZ
Zinc	GWC-13
<b>Cells 3 &amp; 4</b>	
Antimony	GWC-16R
<b>Cells 9 &amp; 10</b>	
Barium	GWC-45 and GWC-49R
Chromium	GWC-47R
Zinc	GWC-47

As presented in the Statistical Analysis Summary above in this section, several of the constituents analyzed in March 2019 had concentrations above the calculated prediction limits (PLs). Most of these concentrations above the PLs have been addressed previously in the August 2017 and April 2018 Alternate Source Demonstrations (ASDs). In a letter dated January 30, 2019, EPD approved the April 2018 ASD for antimony, barium, zinc, pH, calcium, chloride, sulfate, and TDS. In some instances, the same wells and parameters identified as having prior statistical exceedances and addressed in

the ASDs re-occurred in March 2019. A few March 2019 concentrations above the PLs in downgradient wells are not specifically identified in the ASDs but are the same parameters and hydraulic location as those statistical exceedances addressed in the ASDs, i.e., chloride and pH in Cells 1 & 2 downgradient wells. The statistical exceedance of chromium in well GWC-47R is an unverified exceedance and verification resampling will be conducted in September 2019. However, fluoride in well GWC-21R had not previously been addressed in an ASD. Therefore, GWC-21R was re-sampled for fluoride on June 18, 2019. Because the result of <0.30 mg/L was below the PL, the March 2019 fluoride detection in GWC-21 is not a confirmed statistical exceedance. Because the March 2019 concentrations above PL are similar to those statistical exceedances previously addressed in ASDs, the March concentrations are not considered confirmed statistical exceedances. Therefore, a separate ASD does not appear to be warranted at this time.

These concentrations above the PL are not thought to be the result of a release from the Landfill Cells 1 & 2, 3 & 4, and 9 & 10 and are likely attributed to natural variability of groundwater chemistry underlying the Site that is not properly accommodated by the existing statistical methods due to geochemical differences between upgradient and downgradient wells, as described in the earlier ASD documents. The supporting evidence for natural variability as presented in the earlier ASD documents are summarized as follows.

- 1) The presence of naturally-occurring sulfide minerals containing these metals at the Site,
- 2) A lack of increasing concentration trends of these metals and inorganic parameters over time, and
- 3) The lack of co-occurrence or correlation of metals with indicator parameters, and
- 4) The non-detectable or low concentrations of other indicator parameters, including boron and fluoride, strongly support the natural occurrence of target parameters showing a SSI.
- 5) The landfill cells are lined, and Cells 3 & 4 have a leachate collection system in accordance with Solid Waste Permit No. 008-018D (LI).

Pursuant to §257.94(e) and §391-3-4.14.23(c), GPC will continue detection monitoring at Landfill Cells 1 & 2, 3 & 4, and 9 & 10.

## **5.0 MONITORING PROGRAM STATUS**

The Plant Bowen Landfill Cells 1 & 2, 3 & 4, 9 & 10 are in detection monitoring. In the first 2019 semi-annual event, statistical exceedances of Appendix III constituents were identified. Those statistical exceedances were addressed in ASDs that showed the target constituent concentrations were not an indication of a release from the lined landfill cells, but are due to naturally-occurring sources in the geological formation and natural variability of groundwater chemistry. Groundwater monitoring at Plant Bowen Landfill Cells 1 & 2, 3 & 4, 9 & 10 will continue in detection monitoring phase.

## 6.0 CONCLUSIONS & FUTURE ACTIONS

In accordance with §391-3-4 for the 16 Solid Waste Permit metals and §257.94(e) for the Appendix III parameters, data from the Site wells were compared to the appropriate standards in accordance with regulatory requirements for drinking water. At the request of Georgia EPD, the 16 Solid Waste Permit metals were statistically analyzed using intrawell methods. The Appendix III parameters were statistically analyzed per the statistical plans prepared for the CCR monitoring program.

Concentrations of the 16 Solid Waste Permit metals and Appendix III parameters were below the Georgia MCLs and secondary MCLs, with the exception of antimony in upgradient well GWA-39RZ at Cells 9 & 10, and downgradient well GWC-16R at Cells 3 & 4. An August 2017 Alternate Source Demonstration showed antimony concentrations in well GWC-16R vary naturally in groundwater at the Site. Well GWA-39RZ is an upgradient well and is not located in a groundwater flow path as demonstrated by groundwater flow direction based on measured water level elevations. The majority of the metals and the Appendix III parameters were within their respective statistically calculated PLs for the March 2019 sampling event. Most of the concentrations above PLs observed in March 2019 were re-occurrences of statistical exceedances previously addressed in ASD reports (April 2018 or August 2017). The statistical exceedance of chromium in GWC-47R identified using the intrawell method is an unverified exceedance and verification resampling will be conducted in September 2019. These statistical exceedances are not thought to be the result of a release from the Landfill Cells 1 & 2, 3 & 4, and 9 & 10 and are likely attributed to natural variability of groundwater chemistry underlying the Site. Those exceedances in the downgradient wells analyzed using the interwell method may likely be due to the statistical method not accommodating the geochemical differences between upgradient and downgradient locations.

Pursuant to §257.94(e) and §391-3-4.14.23(c), GPC will continue detection monitoring at the Site. The next scheduled groundwater monitoring event is scheduled for September 2019.



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## **TABLES**

**Table 1A: Summary of Well Construction and Groundwater Elevations – Cells 1 & 2**

Well	Top of Casing Elevation (ft above MSL)	Ground Surface Elevation (ft above MSL)	Screen Bottom Elevation (ft above MSL)	Screen Length (feet)	Depth to Water (ft below TOC) 3/5/2019	Location	Groundwater Elevation (ft above MSL) 3/5/2019
GWA-1	742.20	739.4	591.7	10	76.89	Upgradient	665.31
GWA-2	734.81	732.3	580.8	10	73.72	Upgradient	661.09
GWA-2R	735.78	733.0	627.9	10	73.69	Upgradient	662.09
GWA-3	732.47	729.9	634.9	10	44.20	Upgradient	688.27
GWA-4	743.47	741.0	671.5	10	NA	Upgradient	NA
GWA-4R	743.84	741.4	648.4	10	81.42	Upgradient	662.42
GWA-4RZ	742.85	740.1	623.1	10	79.27	Upgradient	663.58
GWA-50	722.98	720.6	626.6	10	49.05	Upgradient	673.93
GWA-50R	721.30	719.0	580.8	10	65.36	Upgradient	655.94
GWC-10	688.57	685.8	617.6	10	24.99	Downgradient	663.58
GWC-10R	688.61	686.6	591.1	10	24.98	Downgradient	663.63
GWC-11	678.43	676.0	634.2	10	17.16	Downgradient	661.27
GWC-11R	678.32	675.9	598.0	10	17.11	Downgradient	661.21
GWC-12	677.77	675.2	627.1	10	16.73	Downgradient	661.04
GWC-13	687.13	684.9	604.4	10	25.72	Downgradient	661.41
GWC-13R	686.53	683.9	584.9	10	25.42	Downgradient	661.11
GWC-13RZ	684.61	681.8	579.8	10	54.27	Downgradient	630.34
GWC-14	686.30	683.6	605.8	10	25.72	Downgradient	660.58
GWC-14Z	687.33	684.4	611.4	10	25.22	Downgradient	662.11
GWC-15	695.51	693.3	626.3	10	32.60	Downgradient	662.91
GWC-15R	696.44	693.8	601.6	10	33.75	Downgradient	662.69
GWC-15Z	695.89	693.1	621.1	10	33.49	Downgradient	662.40
GWC-5	738.17	735.8	624.7	10	67.57	Downgradient	670.60
GWC-6	729.02	726.7	619.1	10	61.18	Downgradient	667.84
GWC-6RZ	732.10	729.3	624.3	10	66.17	Downgradient	665.93
GWC-7Z	713.12	710.1	596.4	10	45.01	Downgradient	668.11
GWC-8RR	702.09		592	10	36.06	Downgradient	666.03
GWC-8Z	702.32	699.3	626.3	10	35.88	Downgradient	666.44
GWC-9	695.50	692.8	622.7	10	33.61	Downgradient	661.89

\*Not Available (lock seized)

ft = feet

MSL = Mean Sea Level

TOC = Top of Casing

**Table 1B: Summary of Well Construction and Groundwater Elevations – Cells 3 & 4**

<b>Well</b>	<b>Top of Casing Elevation (ft above MSL)</b>	<b>Ground Surface Elevation (ft above MSL)</b>	<b>Screen Bottom Elevation (ft above MSL)</b>	<b>Screen Length (feet)</b>	<b>Depth to Water (ft below TOC)  3/5/2019</b>	<b>Location</b>	<b>Groundwater Elevation (ft above MSL)  3/5/2019</b>
GWA-36	684.91	682.3	606.6	10	26.13	Upgradient	658.78
GWA-36R	684.53	681.8	596.1	10	25.76	Upgradient	658.77
GWA-37	703.66	701.0	596.8	10	45.55	Upgradient	658.11
GWA-38	716.43	713.8	649.1	10	47.43	Upgradient	669.00
GWA-51RZ	708.98	706.3	615.5	10	51.02	Upgradient	657.96
GWA-52	710.12	707.1	626.5	10	52.15	Upgradient	657.97
GWA-53	711.38	708.3	590.8	10	53.60	Upgradient	657.78
GWA-53R	711.93	708.8	543.7	10	54.24	Upgradient	657.69
GWA-54	704.63	701.7	628.8	10	46.70	Upgradient	657.93
GWA-55	697.01	694.2	632.1	10	39.06	Upgradient	657.95
GWA-55R	696.84	694.0	591.5	10	38.98	Upgradient	657.86
GWA-56	692.45	689.5	606.9	10	34.57	Upgradient	657.88
GWC-16R	730.69	728.1	633.4	10	77.39	Downgradient	653.30
GWC-17R	733.73	730.7	641.5	10	77.11	Downgradient	656.62
GWC-18	721.93	719.1	642.4	10	70.56	Downgradient	651.37
GWC-18R	721.78	719.1	581.9	10	69.86	Downgradient	651.92
GWC-19R	726.58	724.0	580.3	10	74.04	Downgradient	652.54
GWC-20R	721.09	718.4	634.4	10	67.31	Downgradient	653.78
GWC-21R	723.46	720.9	631.7	10	67.86	Downgradient	655.60
GWC-22R	715.85	713.3	596.6	10	59.92	Downgradient	655.93
GWC-23R	691.41	688.9	642.2	10	35.23	Downgradient	656.18
GWC-24R	676.92	674.3	637.6	10	20.76	Downgradient	656.16
GWC-25R	676.75	674.2	577.5	10	19.94	Downgradient	656.81

ft = feet

MSL = Mean Sea Level

TOC = Top of Casing

**Table 1C: Summary of Well Construction and Groundwater Elevations – Cells 9 & 10**

<b>Well</b>	<b>Top of Casing Elevation (ft above MSL)</b>	<b>Ground Surface Elevation (ft above MSL)</b>	<b>Screen Bottom Elevation (ft above MSL)</b>	<b>Screen Length (feet)</b>	<b>Depth to Water (ft below TOC)  3/5/2019</b>	<b>Location</b>	<b>Groundwater Elevation (ft above MSL)  3/5/2019</b>
GWA-39RZ	732.58	729.8	592.5	10	48.45	Upgradient	684.13
GWA-39Z	735.10	732.1	617.6	10	51.86	Upgradient	683.24
GWA-40	731.73	728.6	576.9	10	57.05	Upgradient	674.68
GWA-41	742.37	739.1	639.9	10	56.90	Upgradient	685.47
GWA-41R	743.14	739.9	613.3	10	57.55	Upgradient	685.59
GWA-42	738.02	734.8	650.1	10	65.44	Upgradient	672.58
GWA-43	710.97	707.7	618.4	10	42.20	Upgradient	668.77
GWA-43R	711.21	707.9	598.4	10	42.54	Upgradient	668.67
GWC-44	712.95	709.9	623.3	10	40.02	Downgradient	672.93
GWC-45	701.56	698.9	634.0	10	33.21	Downgradient	668.35
GWC-45R	702.04	699.3	573.9	10	44.76	Downgradient	657.28
GWC-46R	690.51	687.9	631.4	10	31.66	Downgradient	658.85
GWC-47	690.84	687.4	623.5	10	33.37	Downgradient	657.47
GWC-47R	691.13	687.7	606.7	10	33.25	Downgradient	657.88
GWC-48	688.31	686.0	628.8	10	29.70	Downgradient	658.61
GWC-49R	709.50	706.0	575.1	10	48.19	Downgradient	661.31
GWC-49Z	709.12	706.2	614.7	10	47.45	Downgradient	661.67

*ft = feet*

*MSL = Mean Sea Level*

*TOC = Top of Casing*

**Table 2: Groundwater Flow Velocity Calculations**

Cells 1 & 2							
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	V
GWC-5	GWC-9	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
670.60	661.89	0.072	0.01	8.71	1302	0.007	0.05
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	v
GWC-15	GWC-14	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
662.91	660.58	0.072	0.01	2.33	326	0.007	0.05
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	v
GWA-3	GWA-50	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
688.27	673.93	0.072	0.01	14.34	442	0.032	0.23
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	V
GWC-8RR	GWC-10R	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
666.03	663.63	0.36	0.01	2.4	619	0.004	0.14
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	V
GWA-10R	GWC-13R	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
663.63	661.11	0.36	0.01	2.52	904	0.003	0.1
Cells 3 & 4							
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	v
GWA-52	GWC-18	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
657.97	651.37	0.072	0.01	6.6	1285	0.005	0.04
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	v
GWA-36	GWA-37	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
658.78	658.11	0.072	0.01	0.67	333	0.002	0.014
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	v
GWA-53R	GWC-18R	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
657.69	651.92	0.36	0.01	5.77	1279	0.005	0.16
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	v
GWA-36R	GWC-16R	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
658.77	653.30	0.36	0.01	5.47	1142	0.005	0.17
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	v
GWA-55R	GWC-22R	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
657.86	655.93	0.36	0.01	1.93	785	0.002	0.09
Cells 9 & 10							
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	v
GWA-40	GWC-45	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
674.68	668.35	0.072	0.01	6.33	1498	0.004	0.03
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	v
GWA-39Z	GWA-40	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
683.24	674.68	0.072	0.01	8.56	571	0.015	0.11
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	v
GWA-42	GWA-43	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
672.58	668.77	0.072	0.01	3.81	309	0.012	0.09
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	v
GWC-49Z	GWC-48	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
661.67	656.61	0.072	0.01	3.06	261	0.019	0.14
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	v
GWA-41R	GWC-45R	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
685.59	657.28	0.36	0.01	28.31	1360	0.021	0.75
$h_1$ (ft)	$h_2$ (ft)	K	ne	$\Delta h$	L	i	v
GWC-49R	GWC-47R	(ft/day)		(ft)	(ft)	(ft/ft)	(ft/day)
661.31	657.88	0.36	0.01	3.43	547	0.006	0.23

Table 3. Analytical Data Summary – Cells 1 & 2 (March 2019)

Wells	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
	MCL	0.006*	0.01*	2.0*	0.004*	0.005*	0.1*	N/R	1.0**^	0.015***	0.002*	0.1*	0.05*	0.1**	0.002*	N/R	5.0**
GWA-1	3/20/2019	< 0.003	< 0.005	0.019	< 0.003	< 0.001	< 0.01	0.00078 (J)	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWA-2	3/20/2019	< 0.003	< 0.005	0.0072 (J)	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWA-2R	3/19/2019	0.0019 (J)	< 0.005	0.024	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWA-3	3/20/2019	0.0019 (J)	< 0.005	0.0042 (J)	< 0.003	< 0.001	< 0.01	< 0.01	0.026	< 0.005	< 0.0005 U*	0.010	< 0.01	< 0.01	< 0.001	< 0.01	0.028
GWA-4RZ	3/21/2019	< 0.003	< 0.005	0.040	< 0.003	< 0.001	< 0.01	0.022	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	0.0034 (J)
GWA-50	3/19/2019	< 0.003	< 0.005	0.012	< 0.003	< 0.001	< 0.01	< 0.01	0.0023 (J)	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWA-50R	3/19/2019	< 0.003	< 0.005	0.013	< 0.003	< 0.001	< 0.01	< 0.01	0.0029 (J)	< 0.005	< 0.0005 U*	0.0016 (J)	< 0.01	0.0017 (J)	< 0.001	< 0.01	< 0.01
GWC-5	3/20/2019	< 0.003	< 0.005	0.018	0.00046 (J)	< 0.001	< 0.01	< 0.01	0.023 (J)	< 0.005	< 0.0005 U*	0.0080 (J)	< 0.01	< 0.01	< 0.001	< 0.01	0.032
GWC-6	3/21/2019	< 0.003	< 0.005	0.0074 (J)	< 0.003	< 0.001	0.0029 (J)	< 0.01	0.0018 (J)	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-6RZ	3/21/2019	< 0.003	< 0.005	0.0075 (J)	0.000076 (J)	< 0.001	0.0025 (J)	< 0.01	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-7Z	3/21/2019	< 0.003	0.00077 (J)	0.030	< 0.003	< 0.001	< 0.01	0.00059 (J)	< 0.025	< 0.005	< 0.0005 U*	0.00099 (J)	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-8RR	3/27/2019	< 0.003	< 0.005	0.014	< 0.003	< 0.001	0.0021 (J)	< 0.01	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-8Z	5/6/2019	< 0.003	0.00063 (J)	0.017	0.00010 (J)	< 0.001	0.0048 (J)	< 0.01	< 0.025	0.00032 (J)	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	0.0024 (J)
GWC-8Z Dissolved	5/6/2019	< 0.003	< 0.005	0.015	< 0.003	< 0.001	0.0037 (J)	< 0.01	< 0.025	< 0.005	< 0.0005 U(J)	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	0.0024 (J)
GWC-9	3/21/2019	< 0.003	< 0.005	0.042	0.00015 (J)	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005 U*	0.0010 (J)	< 0.01	< 0.01	< 0.001	< 0.01	0.0024 (J)
GWC-10	3/22/2019	< 0.003	< 0.005	0.024	0.00018 (J)	< 0.001	< 0.01	0.0011 (J)	< 0.025	< 0.005	< 0.0005 U*	0.0022 (J)	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-10R	3/22/2019	< 0.003	< 0.005	0.022	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-11	3/23/2019	0.00094 (J)	< 0.005	0.0081 (J)	0.000057 (J)	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-11R	3/23/2019	< 0.003	0.0016 (J)	0.019	< 0.003	< 0.001	0.0048 (J)	< 0.01	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-12	3/23/2019	< 0.003	0.0055	0.024	< 0.003	0.00035 (J)	< 0.01	0.0032 (J)	< 0.025	< 0.005	< 0.0005 U*	0.0026 (J)	< 0.01	< 0.01	< 0.001	< 0.01	0.012
GWC-13	3/23/2019	< 0.003	0.00067 (J)	0.023	0.000061 (J)	< 0.001	0.0058 (J)	< 0.01	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	0.021
GWC-13RZ	3/22/2019	0.0014 (J)	0.00097 (J)	0.086	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	0.0048 (J)
GWC-14Z	3/22/2019	< 0.003	< 0.005	0.014	0.000094 (J)	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-15R	3/25/2019	< 0.003	< 0.005	0.021	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	0.00047 (J)	< 0.0005 U*	0.0011 (J)	< 0.01	< 0.01	< 0.001	< 0.01	0.0039 (J)
GWC-15Z	3/22/2019	< 0.003	< 0.005	0.014	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
DUP-1 GWA-50	3/19/2019	< 0.003	< 0.005	0.012	< 0.003	< 0.001	< 0.01	< 0.01	0.0026 (J)	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
DUP-2 GWA-1	3/20/2019	0.00085 (J)	< 0.005	0.020	< 0.003	< 0.001	< 0.01	0.00079 (J)	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
DUP-3 GWC-14Z	3/22/2019	< 0.003	< 0.005	0.015	0.000096 (J)	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005 U*	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01

\*MCL – Georgia Primary Maximum Contaminant Limit (MCL) for drinking water. \*\* Georgia Secondary MCL for drinking water. \*\*\* U.S. USEPA Action Level for lead. ^ For copper, the action level is 1.3 mg/L.

(J) – The analyte was positively identified, but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U\* = This analyte should be considered “not-detected” because it was detected in an associated blank at a similar level.

U(J) = The analyte was analyzed, but was not detected above the level of the sample reporting/method detection limit. The reported method detection limit is approximate and may be imprecise.

N/R – does not have a Primary or Secondary MCL. na - not analyzed. Bold and shaded cells indicate MCL exceedance.



Table 4. Analytical Data Summary – Cells 3 & 4 (March 2019)

Wells	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
	MCL	0.006*	0.01*	2.0*	0.004*	0.005*	0.1*	N/R	1.0***	0.015***	0.002*	0.1*	0.05*	0.1**	0.002*	N/R	5.0**
GWA-36	3/6/2019	< 0.003	< 0.005	0.018	0.00029 (J)	0.0013	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	0.56
GWA-36R	3/7/2019	< 0.003	< 0.005	0.018	0.000068 (J)	0.00017 (J)	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	0.043
GWA-37	3/6/2019	0.0019 (J)	< 0.005	0.0052 (J)	< 0.003	0.000093 (J)	< 0.01	< 0.01	< 0.025 U*	< 0.005	< 0.0005	< 0.01 U*	< 0.01	< 0.01	< 0.001	< 0.01	0.0035 (J)
GWA-38	3/7/2019	< 0.003	< 0.005	0.011	< 0.003	< 0.001	< 0.01	0.00087 (J)	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWA-51RZ	3/8/2019	< 0.003	< 0.005	0.015	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	0.0052 (J)	< 0.01	< 0.001	< 0.01	< 0.01
GWA-52	3/7/2019	< 0.003	< 0.005	0.025	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWA-53	3/8/2019	< 0.003	< 0.005	0.012	0.000057 (J)	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWA-53R	3/12/2019	0.0020 (J)	< 0.005	0.016	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWA-54	3/7/2019	< 0.003	< 0.005	0.039	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWA-55	3/8/2019	< 0.003	< 0.005	0.027	< 0.003	< 0.001	< 0.01	0.0044 (J)	< 0.025	< 0.005	< 0.0005	< 0.01	0.0026 (J)	< 0.01	< 0.001	< 0.01	< 0.01
GWA-55R	3/7/2019	< 0.003	< 0.005	0.033	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	0.0016 (J)	< 0.01	< 0.001	< 0.01	< 0.01
GWA-56	3/7/2019	< 0.003	0.00085 (J)	0.042	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-16R	3/11/2019	<b>0.020</b>	< 0.005	0.044	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025 U*	< 0.005	< 0.0005	< 0.01 U*	< 0.01	< 0.01	0.00026 (J)	< 0.01	0.024
GWC-17R	3/12/2019	< 0.003	< 0.005	0.021	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01 U*	< 0.01	< 0.01	< 0.001	< 0.01	0.0038 (J)
GWC-18	3/12/2019	< 0.003	< 0.005	0.014	< 0.003	< 0.001	< 0.01 U*	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-18R	3/12/2019	0.00091 (J)	< 0.005	0.014	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-19R	3/12/2019	< 0.003	< 0.005	0.016	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-20R	3/12/2019	< 0.003	< 0.005	0.030	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-21R	3/11/2019	0.0029 (J)	0.0038 (J)	0.015	< 0.003	< 0.001	< 0.01	0.00056 (J)	< 0.025	< 0.005	< 0.0005	< 0.01 U*	< 0.01	< 0.01	< 0.001	< 0.01	0.0034 (J)
GWC-22R	3/11/2019	< 0.003	0.00099 (J)	0.048	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	0.00015 (J)	< 0.01	0.0021 (J)
GWC-23R	3/12/2019	< 0.003	< 0.005	0.022	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-24R	3/8/2019	< 0.003	< 0.005	0.020	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-25R	3/8/2019	< 0.003	< 0.005	0.017	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025 U*	0.00035 (J)	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
DUP-1 GWA-36	3/6/2019	< 0.003	< 0.005	0.018	0.00026 (J)	0.0012	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	0.53
DUP-2 GWC-22R	3/11/2019	< 0.003	0.00075 (J)	0.048	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	0.00015 (J)	< 0.01	< 0.01 U(J)
DUP-3 GWC-19R	3/12/2019	< 0.003	< 0.005	0.015	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01

\*MCL – Georgia Primary Maximum Contaminant Limit (MCL) for drinking water. \*\* Georgia Secondary MCL for drinking water. \*\*\* U.S. USEPA Action Level for lead. ^ For copper, the action level is 1.3 mg/L.

(J) – The analyte was positively identified, but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U\* = This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

U(J) = The analyte was analyzed, but was not detected above the level of the sample reporting/method detection limit. The reported method detection limit is approximate and may be imprecise.

N/R – does not have a Primary or Secondary MCL. na - not analyzed. Bold and shaded cells indicate MCL exceedance.

Table 5. Analytical Data Summary – Cells 9 & 10 (March 2019)

Wells	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
	MCL	0.006*	0.01*	2.0*	0.004*	0.005*	0.1*	N/R	1.0**^	0.015***	0.002*	0.1*	0.05*	0.1**	0.002*	N/R	5.0**
GWA-39RZ	3/14/2019	<b>0.014</b>	< 0.005	0.018	< 0.003	< 0.001	0.0040 (J)	< 0.01	< 0.025	< 0.005	< 0.0005	0.0017 (J)	< 0.01	< 0.01	< 0.001	< 0.01	0.0035 (J)
GWA-39Z	3/15/2019	< 0.003	< 0.005	0.019	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	0.0023 (J)
GWA-40	3/13/2019	< 0.003	< 0.005	0.0076 (J)	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWA-41	3/14/2019	< 0.003	< 0.005	0.028	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWA-41R	3/14/2019	< 0.003	< 0.005	0.040	0.000052 (J)	< 0.001	< 0.01	< 0.01	0.0022 (J)	0.00031 (J)	< 0.0005	0.0010 (J)	< 0.01	< 0.01	< 0.001	< 0.01	0.0021 (J)
GWA-42	3/14/2019	< 0.003	< 0.005	0.0066 (J)	0.00017 (J)	0.00013 (J)	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	0.0015 (J)	< 0.01	< 0.01	< 0.001	< 0.01	0.010
GWA-43	3/13/2019	< 0.003	< 0.005	0.014	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	0.0022 (J)
GWA-43R	3/13/2019	< 0.003	< 0.005	0.0077 (J)	< 0.003	< 0.001	< 0.01	< 0.01	0.0015 (J)	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	0.0023 (J)
GWC-44	3/14/2019	< 0.003	< 0.005	0.077	0.000078 (J)	< 0.001	< 0.01	0.0022 (J)	< 0.025	0.00077 (J)	< 0.0005	< 0.01	0.0042 (J)	< 0.01	< 0.001	< 0.01	0.0039 (J)
GWC-45	3/14/2019	0.0015 (J)	< 0.005	0.0066 (J)	< 0.003	< 0.001	< 0.01	0.0015 (J)	< 0.025	< 0.005	< 0.0005	0.0010 (J)	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-45R	3/14/2019	< 0.003	< 0.005	0.024	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	0.0022 (J)
GWC-46R	3/18/2019	< 0.003	< 0.005	0.014	< 0.003	< 0.001	0.0022 (J)	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-47	3/15/2019	< 0.003	< 0.005	0.010	< 0.003	0.00015 (J)	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	0.051
GWC-47R	3/19/2019	< 0.003	< 0.005	0.0088 (J)	< 0.003	< 0.001	0.018	< 0.01	< 0.025	< 0.005	0.000050 (J)	0.0042 (J)	< 0.01	< 0.01	0.00027 (J)	< 0.01	0.016
GWC-48	3/15/2019	< 0.003	< 0.005	0.026	0.00022 (J)	0.00018 (J)	0.0023 (J)	0.0012 (J)	< 0.025	< 0.005	< 0.0005	0.0033 (J)	< 0.01	< 0.01	< 0.001	< 0.01	0.0058 (J)
GWC-49R	3/18/2019	< 0.003	< 0.005	0.015	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
GWC-49Z	3/19/2019	0.0011 (J)	< 0.005	0.0033 (J)	< 0.003	< 0.001	0.0017 (J)	0.00069 (J)	< 0.025	< 0.005	0.000045 (J)	0.0047 (J)	< 0.01	< 0.01	< 0.001	< 0.01	0.0034 (J)
DUP-1 GWA-40	3/13/2019	< 0.003	< 0.005	0.0071 (J)	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
DUP-2 GWC-49R	3/18/2019	< 0.003	< 0.005	0.015	< 0.003	< 0.001	< 0.01	< 0.01	< 0.025	< 0.005	< 0.0005	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01

\*MCL – Georgia Primary Maximum Contaminant Limit (MCL) for drinking water. \*\* Georgia Secondary MCL for drinking water. \*\*\* U.S. USEPA Action Level for lead. ^ For copper, the action level is 1.3 mg/L.  
 (J) – The analyte was positively identified, but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.  
 U\* = This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.  
 N/R – does not have a Primary or Secondary MCL. na - not analyzed. Bold and shaded cells indicate MCL exceedance.

**Table 6. Analytical Data Summary Appendix III – Cells 1 & 2 (March 2019)**

Wells	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	TDS
	<i>MCL</i>	<i>0.05</i>	<i>N/R</i>	<i>250</i>	<i>4.0</i>	<i>N/R</i>	<i>250</i>	<i>500</i>
GWA-1	3/20/2019	0.0042 (J)	30.1	< 1.4 U*	< 0.3	7.6	1.5	175
GWA-2	3/20/2019	< 0.04	4.3	< 0.86 U*	< 0.3	5.7	3.6	49.0
GWA-2R	3/19/2019	0.014 (J)	59.2	2.0	0.056 (J)	7.2	32.5 (J)	208
GWA-3	3/20/2019	< 0.04	0.96	< 1.5 U*	< 0.3	5.2	0.38 (J)	30.0
GWA-4RZ	3/21/2019	0.0066 (J)	49.9	3.6	0.19 (J)	7.2	24.9	367
GWA-50	3/19/2019	< 0.04	4.2	< 1.2 U*	< 0.3	5.9	0.52 (J)	34.0
GWA-50R	3/19/2019	< 0.04	4.6	< 0.88 U*	< 0.3	6.0	0.97 (J)	48.0
GWC-5	3/20/2019	< 0.04	2.7	< 0.93 U*	< 0.3	6.3	1.3	66.0
GWC-6	3/21/2019	< 0.04	14.9 (J)	< 1.4 U*	< 0.3	7.2	2.7	80.0
GWC-6RZ	3/21/2019	< 0.04	8.3	< 1.5 U*	< 0.3	6.8	1.7	60.0
GWC-7Z	3/21/2019	< 0.04	25.2	< 1.0 U*	< 0.3	7.3	1.9	107
GWC-8RR	3/27/2019	0.0078 (J)	20.6 (J)	0.90	< 0.3	8.1	1.5	101
GWC-8Z	5/6/2019	0.0065 (J)	20.0 (J)	1.1	< 0.3	8.0	2.1	118
GWC-8Z Dissolved	5/6/2019	0.0065 (J)	19.7 (J)	na	na	na	na	na
GWC-9	3/21/2019	0.0060 (J)	4.8	2.0	< 0.3	5.3	2.3	39.0
GWC-10	3/22/2019	< 0.04	15.4 (J)	2.2	0.045 (J)	6.2	1.6	95.0
GWC-10R	3/22/2019	< 0.04	37.2	2.8	< 0.3	7.3	1.3	140
GWC-11	3/23/2019	< 0.04	7.8	1.2	< 0.3	6.3	2.1	64.0
GWC-11R	3/23/2019	< 0.04	28.3	1.7	< 0.3	7.6	2.1	148
GWC-12	3/23/2019	< 0.04	7.5	0.88	< 0.3	6.3	0.30 (J)	58.0
GWC-13	3/23/2019	0.012 (J)	29.6	3.5	< 0.3	7.3	15.5 (J)	135
GWC-13RZ	3/22/2019	0.013 (J)	40.5	7.4	0.12 (J)	7.5	57.9	249
GWC-14Z	3/22/2019	< 0.04	16.7 (J)	3.7	< 0.3	6.3	6.2	104
GWC-15R	3/25/2019	< 0.04	35.6	1.9	< 0.3	7.6	11.2	167
GWC-15Z	3/22/2019	< 0.04	21.3 (J)	1.2	< 0.3	7.6	2.1	116
DUP-1 GWA-50	3/19/2019	< 0.04	4.2	< 1.3 U*	< 0.3	5.9	1.3	32.0
DUP-2 GWA-1	3/20/2019	< 0.04	30.0	< 1.4 U*	0.043 (J)	7.6	1.5	176
DUP-3 GWC-14Z	3/22/2019	< 0.04	16.3 (J)	3.7	< 0.3	6.3	6.1	95.0

\*MCL – Georgia Primary Maximum Contaminant Limit (MCL) for drinking water. \*\* Georgia Secondary MCL for drinking water.

(J) – The analyte was positively identified, but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U\* = This analyte should be considered “not-detected” because it was detected in an associated blank at a similar level.

N/R – does not have a Primary or Secondary MCL. na - not analyzed. Bold and shaded cells indicate MCL exceedance.

**Table 7. Analytical Data Summary Appendix III – Cells 3 & 4 (March 2019)**

Wells	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	TDS
	<i>MCL</i>	<i>0.05</i>	<i>N/R</i>	<i>250</i>	<i>4.0</i>	<i>N/R</i>	<i>250</i>	<i>500</i>
GWA-36	3/6/2019	< 0.04	11.2 (J)	2.4	< 0.3	6.6	0.45 (J)	71.0 (J)
GWA-36R	3/7/2019	0.0049 (J)	28.0	2.8	< 0.3	7.5	4.3	135
GWA-37	3/6/2019	< 0.04	0.78	< 1.1 U*	< 0.3	5.4	0.46 (J)	22.0 (J)
GWA-38	3/7/2019	< 0.04	2.6	2.9	< 0.3	5.5	1.1	84.0
GWA-51RZ	3/8/2019	0.0085 (J)	46.6	3.4	0.075 (J)	7.6	23.6	244
GWA-52	3/7/2019	< 0.04	29.5	3.6	< 0.3	7.3	12.7	159
GWA-53	3/8/2019	< 0.04	25.9	2.7	< 0.3	7.7	1.8	143
GWA-53R	3/12/2019	< 0.04	28.0	3.3	0.046 (J)	7.7	2.2	150 (J)
GWA-54	3/7/2019	< 0.04	23.8 (J)	< 1.2 U*	< 0.3	7.6	2.6	111
GWA-55	3/8/2019	0.0056 (J)	45.2	3.4	< 0.3	7.1	31.8	248
GWA-55R	3/7/2019	< 0.04	40.4	3.2	< 0.3	7.2	25.0	212
GWA-56	3/7/2019	0.020 (J)	33.3	6.0	0.089 (J)	8.1	88.7	410
GWC-16R	3/11/2019	0.013 (J)	63.8	2.4	0.23 (J)	7.2	11.0	344
GWC-17R	3/12/2019	0.0099 (J)	65.3	6.9	0.056 (J)	7.1	25.9	306
GWC-18	3/12/2019	< 0.04	23.2 (J)	2.8	0.050 (J)	7.1	2.3	135 (J)
GWC-18R	3/12/2019	< 0.04	28.6	3.3	0.042 (J)	7.8	2.6	143 (J)
GWC-19R	3/12/2019	< 0.04	31.1	2.8	0.040 (J)	7.6	4.3	156 (J)
GWC-20R	3/12/2019	0.0045 (J)	35.2	2.7	0.048 (J)	7.6	1.5	191 (J)
GWC-21R	3/11/2019	0.0050 (J)	67.1	4.2	0.51	7.0	3.4	311
GWC-21R	6/18/2019	na	na	na	< 0.3	6.9	na	na
GWC-22R	3/11/2019	< 0.04	33.9	3.2	< 0.3	7.5	2.0	166
GWC-23R	3/12/2019	0.0047 (J)	61.6	2.4	0.060 (J)	7.6	17.7	310 (J)
GWC-24R	3/8/2019	< 0.04	28.8	2.6	< 0.3	7.7	1.9	164
GWC-25R	3/8/2019	< 0.04	33.1	2.8	< 0.3	7.7	1.6	155
DUP-1 GWA-36	3/6/2019	< 0.04	10.5 (J)	2.5	< 0.3	6.6	0.43 (J)	260 (J)
DUP-2 GWC-22R	3/11/2019	< 0.04	33.9	3.2	< 0.3	7.5	1.9	165
DUP-3 GWC-19R	3/12/2019	< 0.04	29.3	3.3	0.045 (J)	7.6	4.4	164 (J)

\*MCL – Georgia Primary Maximum Contaminant Limit (MCL) for drinking water. \*\* Georgia Secondary MCL for drinking water.

(J) – The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U\* = This analyte should be considered “not-detected” because it was detected in an associated blank at a similar level.

N/R – does not have a Primary or Secondary MCL. na - not analyzed. Bold and shaded cells indicate MCL exceedance.

**Table 8. Analytical Data Summary Appendix III – Cells 9 & 10 (March 2019)**

Wells	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	TDS
	<i>MCL</i>	<i>0.05</i>	<i>N/R</i>	<i>250</i>	<i>4.0</i>	<i>N/R</i>	<i>250</i>	<i>500</i>
GWA-39RZ	3/14/2019	0.0059 (J)	33.0	2.8	0.066 (J)	7.2	9.3	154
GWA-39Z	3/15/2019	0.0050 (J)	20.3 (J)	1.7	< 0.3	6.8	3.0	107
GWA-40	3/13/2019	< 0.04	23.8 (J)	2.2	0.045 (J)	7.1	2.1	130
GWA-41	3/14/2019	0.0070 (J)	22.7 (J)	2.6	0.039 (J)	6.6	6.2	119
GWA-41R	3/14/2019	0.015 (J)	31.9	2.9	0.040 (J)	6.9	8.9	157
GWA-42	3/14/2019	< 0.04	32.0	3.6	0.058 (J)	7.6	2.2	157
GWA-43	3/13/2019	< 0.04	2.9	1.6	< 0.3	5.6	0.43 (J)	31.0
GWA-43R	3/13/2019	0.012 (J)	29.2	2.9	0.036 (J)	7.8	4.4	152
GWC-44	3/14/2019	0.018 (J)	17.2 (J)	6.4	0.13 (J)	4.4	79.7	110
GWC-45	3/14/2019	< 0.04	0.90	< 1.3 U*(J)	< 0.3	5.0	0.72 (J)	39.0
GWC-45R	3/14/2019	0.0060 (J)	37.0	4.3	0.039 (J)	7.1	4.3	195
GWC-46R	3/18/2019	0.022 (J)	46.1	1.8	< 0.3	7.4	4.4	251
GWC-47	3/15/2019	< 0.04	20.4 (J)	2.8	< 0.3	7.5	4.2	125
GWC-47R	3/19/2019	< 0.04	28.4	2.6	< 0.3	7.9	14.8	154
GWC-48	3/15/2019	< 0.04	4.4	3.3	< 0.3	5.3	1.7	41.0
GWC-49R	3/18/2019	0.0099 (J)	31.0	2.7	< 0.3	7.9	5.8	170
GWC-49Z	3/19/2019	0.0043 (J)	1.1	< 1.1 U*	< 0.3	5.6	2.2	35.0
DUP-1 GWA-40	3/13/2019	< 0.04	24.2 (J)	2.1	0.041 (J)	7.1	2.2	142
DUP-2 GWC-49R	3/18/2019	0.0058 (J)	30.3	2.8	< 0.3	7.9	5.9	157

\*MCL – Georgia Primary Maximum Contaminant Limit (MCL) for drinking water. \*\* Georgia Secondary MCL for drinking water.

(J) – The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U\* = This analyte should be considered “not-detected” because it was detected in an associated blank at a similar level.

N/R – does not have a Primary or Secondary MCL. na - not analyzed. Bold and shaded cells indicate MCL exceedance.

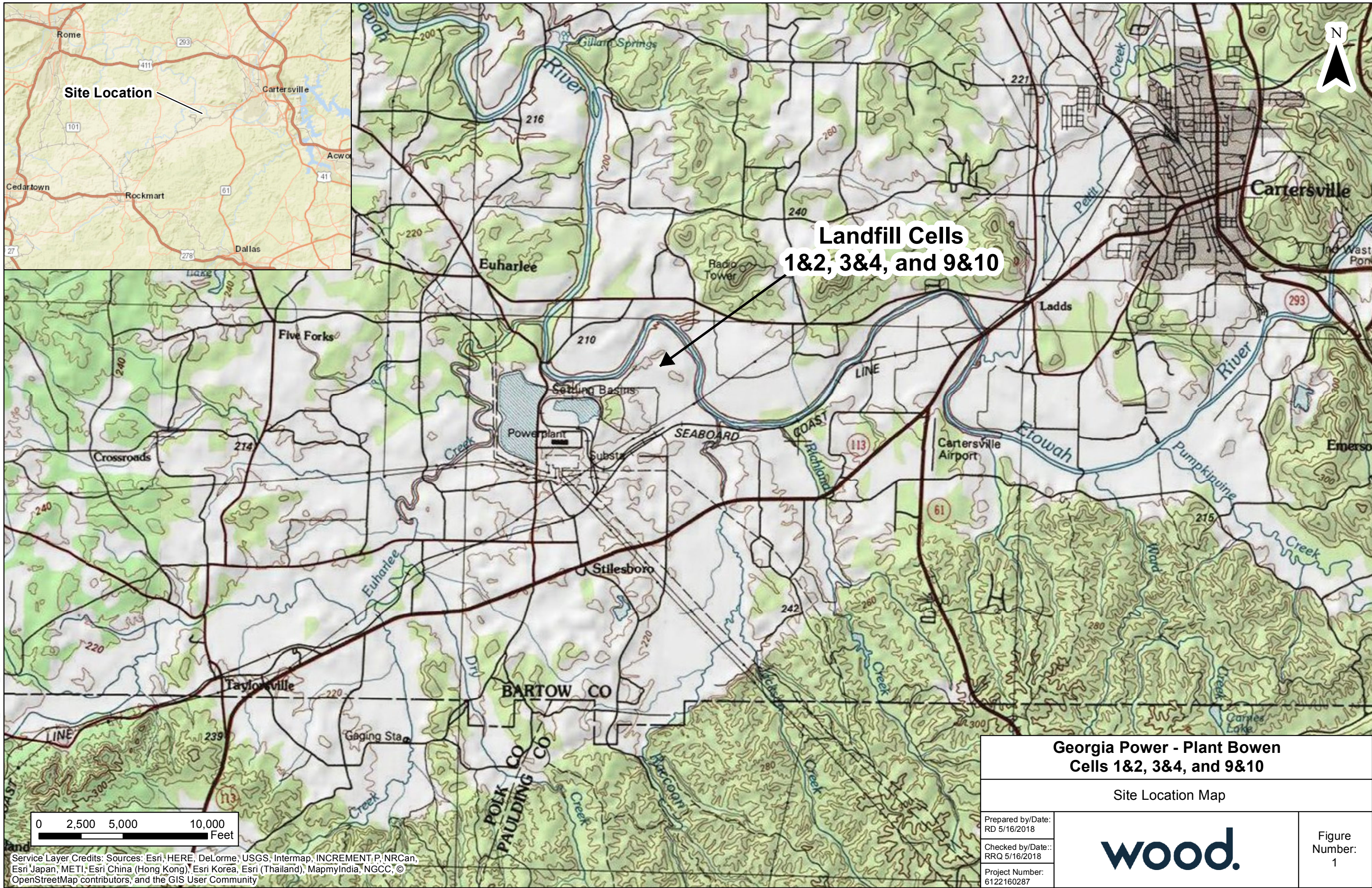
**Table 9: RPD Calculations**

<b>Cells 1 &amp; 2</b>			
<b>Parameter</b>	<b>Concentration 1</b>	<b>Concentration 2</b>	<b>RPD</b>
3/19/2019	<b>Dup-1</b>	<b>GWA-50</b>	
Barium	0.012	0.012	0%
Calcium	4.2	4.2	0%
<b>Parameter</b>	<b>Concentration 1</b>	<b>Concentration 2</b>	<b>RPD</b>
3/20/2019	<b>Dup-2</b>	<b>GWA-1</b>	
Barium	0.020	0.019	5%
Calcium	30.0	30.1	0%
Sulfate	1.5	1.5	0%
Total Dissolved Solids	176	175	1%
<b>Parameter</b>	<b>Concentration 1</b>	<b>Concentration 2</b>	<b>RPD</b>
3/22/2019	<b>Dup-3</b>	<b>GWC-14Z</b>	
Barium	0.015	0.014	7%
Chloride	3.7	3.7	0%
Sulfate	6.1	6.2	2%
Total Dissolved Solids	95.0	104	9%
<b>Cells 3 &amp; 4</b>			
<b>Parameter</b>	<b>Concentration 1</b>	<b>Concentration 2</b>	<b>RPD</b>
3/6/2019	<b>Dup-1</b>	<b>GWA-36</b>	
Barium	0.018	0.018	0%
Cadmium	0.0012	0.0013	8%
Chloride	2.5	2.4	4%
Zinc	0.53	0.56	6%
<b>Parameter</b>	<b>Concentration 1</b>	<b>Concentration 2</b>	<b>RPD</b>
3/11/2019	<b>DUP-2</b>	<b>GWC-22R</b>	
Barium	0.048	0.048	0%
Calcium	33.9	33.9	0%
Chloride	3.2	3.2	0%
Sulfate	1.9	2.0	5%
Total Dissolved Solids	165	166	1%
<b>Parameter</b>	<b>Concentration 1</b>	<b>Concentration 2</b>	<b>RPD</b>
3/12/2019	<b>DUP-3</b>	<b>GWC-19R</b>	
Barium	0.015	0.016	6%
Calcium	29.3	31.1	6%
Chloride	3.3	2.8	16%
Sulfate	4.4	4.3	2%
<b>Cells 9 &amp; 10</b>			
<b>Parameter</b>	<b>Concentration 1</b>	<b>Concentration 2</b>	<b>RPD</b>
3/13/2019	<b>Dup-1</b>	<b>GWA-40</b>	
Chloride	2.1	2.2	5%
Sulfate	2.2	2.1	5%
Total Dissolved Solids	142	130	9%
<b>Parameter</b>	<b>Concentration 1</b>	<b>Concentration 2</b>	<b>RPD</b>
3/18/2019	<b>Dup-2</b>	<b>GWC-49R</b>	
Barium	0.015	0.015	0%
Calcium	30.3	31.0	2%
Chloride	2.8	2.7	4%
Sulfate	5.9	5.8	2%
Total Dissolved Solids	157	170	8%

concentrations in mg/L

## FIGURES





**Landfill Cells  
1&2, 3&4, and 9&10**

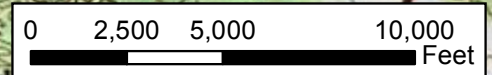
**Georgia Power - Plant Bowen  
Cells 1&2, 3&4, and 9&10**

Site Location Map

Prepared by/Date:  
RD 5/16/2018  
Checked by/Date:  
RRQ 5/16/2018  
Project Number:  
6122160287



Figure Number:  
1



Document Path: G:\Bowen\MXD\Event 10\Site\_Location\_Map.mxd

Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community



# Legend

● Spring Sampling Location

## Well Location

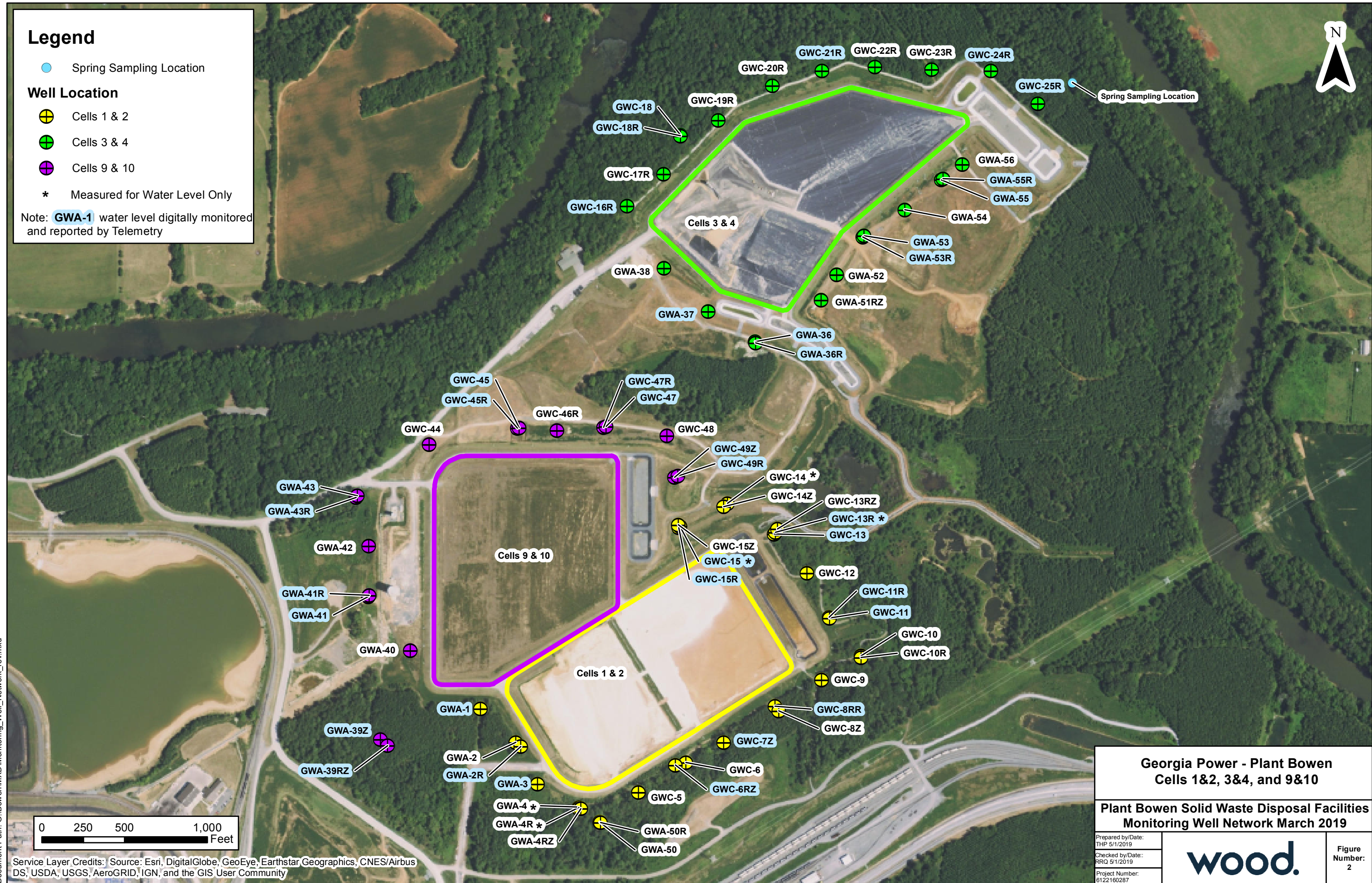
⊕ Cells 1 & 2

⊕ Cells 3 & 4

⊕ Cells 9 & 10

\* Measured for Water Level Only

Note: **GWA-1** water level digitally monitored and reported by Telemetry



<b>Georgia Power - Plant Bowen Cells 1&amp;2, 3&amp;4, and 9&amp;10</b>	
<b>Plant Bowen Solid Waste Disposal Facilities Monitoring Well Network March 2019</b>	
Prepared by/Date: THP 5/1/2019	
Checked by/Date: RRQ 5/1/2019	
Project Number: 6122160287	
Figure Number: 2	

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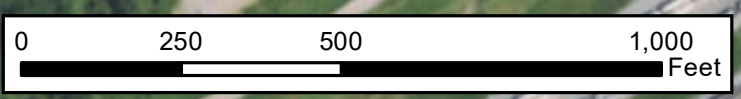
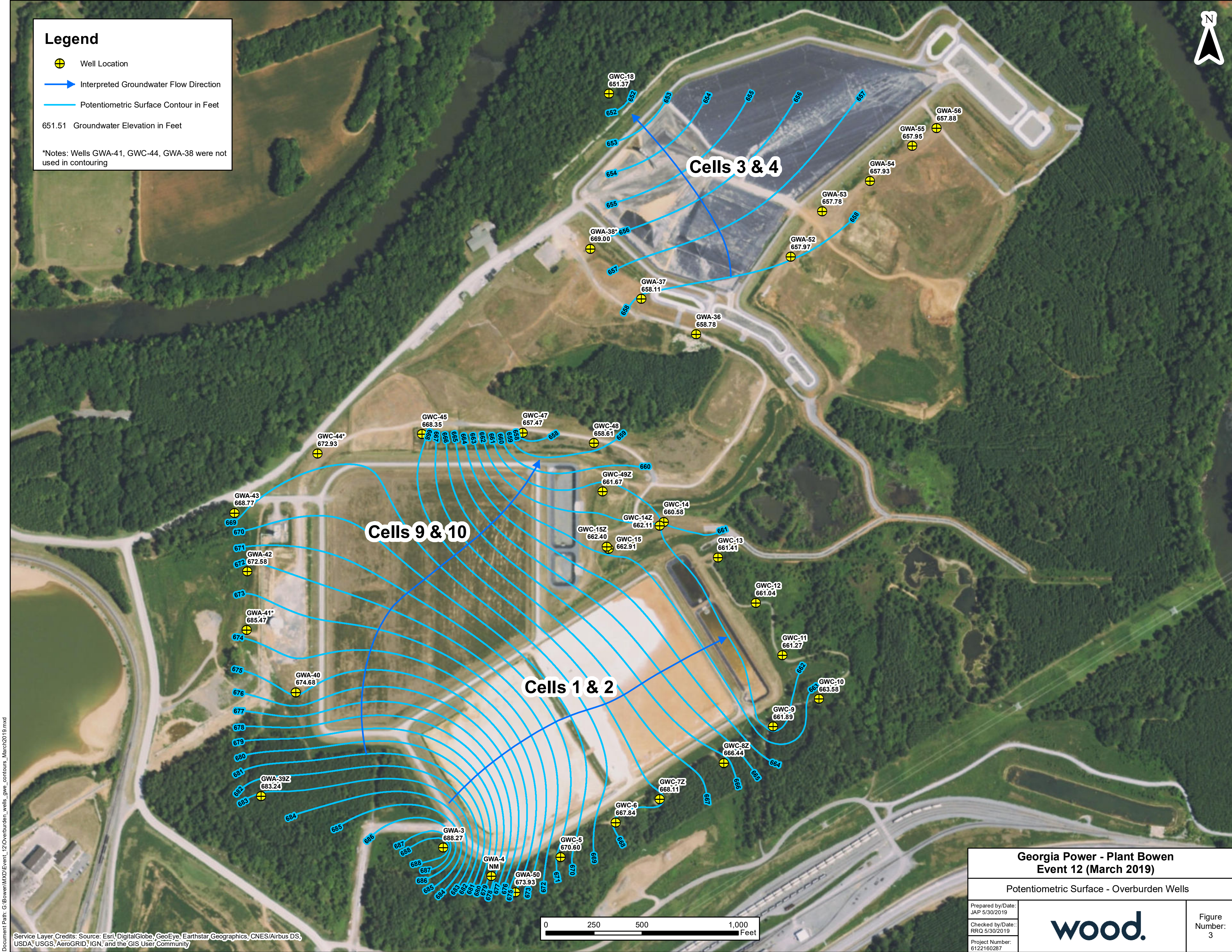
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# Legend

- Well Location
  - Interpreted Groundwater Flow Direction
  - Potentiometric Surface Contour in Feet
- 651.51 Groundwater Elevation in Feet

\*Notes: Wells GWA-41, GWC-44, GWA-38 were not used in contouring






<b>Georgia Power - Plant Bowen Event 12 (March 2019)</b>		
Potentiometric Surface - Overburden Wells		
Prepared by/Date: JAP 5/30/2019		Figure Number: 3
Checked by/Date: RRQ 5/30/2019		
Project Number: 6122160287		

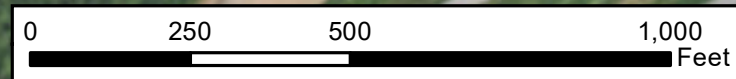
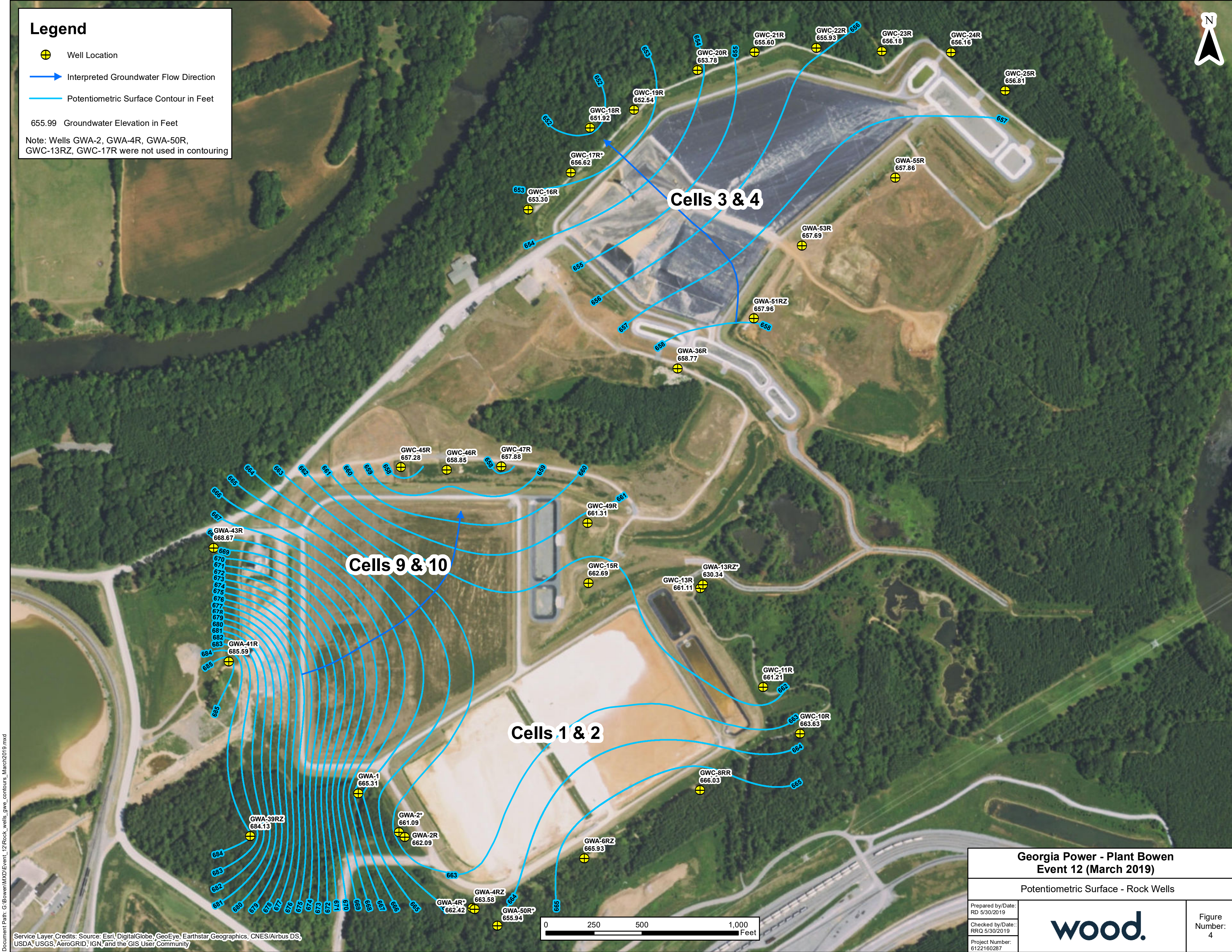
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# Legend

-  Well Location
  -  Interpreted Groundwater Flow Direction
  -  Potentiometric Surface Contour in Feet
- 655.99 Groundwater Elevation in Feet
- Note: Wells GWA-2, GWA-4R, GWA-50R, GWC-13RZ, GWC-17R were not used in contouring

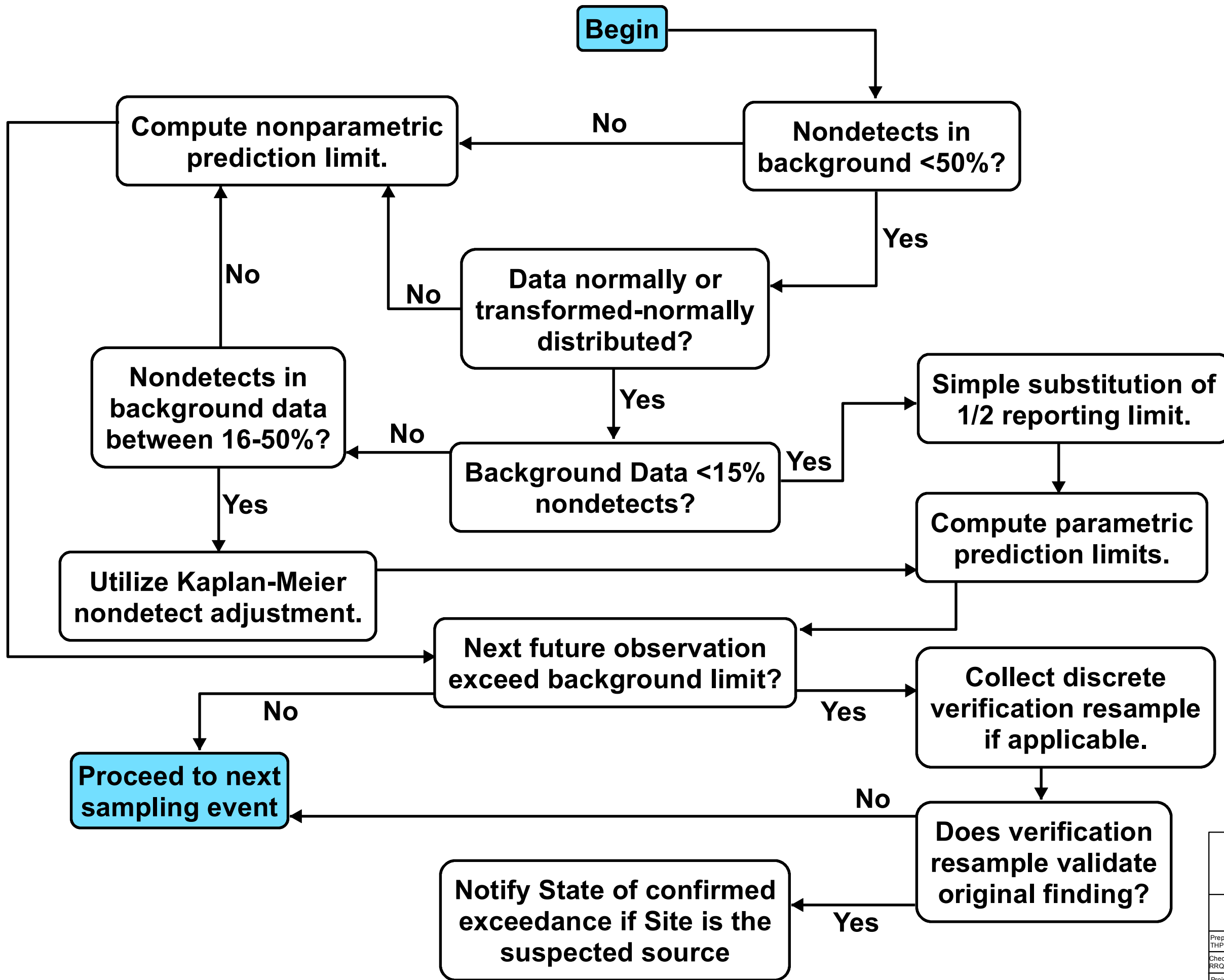


<b>Georgia Power - Plant Bowen Event 12 (March 2019)</b>	
Potentiometric Surface - Rock Wells	
Prepared by/Date: RD 5/30/2019	
Checked by/Date: RRQ 5/30/2019	
Project Number: 6122160287	
Figure Number: 4	

Document Path: G:\Bowen\MD\Event\_12\Rock\_wells\_gwe\_contours\_March2019.mxd

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**APPENDIX A**  
**FIELD DATA SHEETS AND LABORATORY ANALYTICAL DATA**

Well ID	Sample Date	Purge Volume (liter)	Time Elapsed	DTW (feet, TOC)	Drawdown (feet)	Temperature ©	pH (su)	Specific Conductance (uS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
GWA-1	3/20/2019	19.6	8400	77.35	10.3	17.6	7.6	304.3	4.5	1.5	16.8
GWA-2	3/20/2019	3.2	1920	72.96	0.03	16.0	5.7	24.0	0.2	5.4	57.2
GWA-2R	3/19/2019	2.6	1440	73.35	0.79	14.5	7.2	367.0	0.4	5.6	715.1
GWA-3	3/20/2019	2.0	1200	45.56	7.3	18.5	5.2	20.0	0.9	6.6	617.2
GWA-4RZ	3/21/2019	22.7	12421	78.83	31.3	15.3	7.2	441.0	0.3	2.6	7.2
GWC-5	3/20/2019	15.7	6720	67.51	6.9	16.0	6.3	38.2	2.8	8.0	72.1
GWC-6	3/21/2019	3.2	1920	62.08	0.21	15.7	7.2	139.0	1.3	7.5	19.5
GWC-6RZ	3/21/2019	4.0	1920	66.33	0.03	14.1	6.8	97.1	2.9	7.7	17.1
GWC-7Z	3/21/2019	5.1	2882	47.20	0.12	15.0	7.3	230.7	0.8	2.3	-87.2
GWC-8RR	3/27/2019	25.5	11782	38.84	0.11	15.1	8.1	177.8	4.7	8.4	75.7
GWC-8Z	5/6/2019	28.6	15600	43.02	0.5	17.4	8.0	149.2	8.9	7.6	26.9
GWC-9	3/21/2019	25.9	7930	34.14	0	15.7	5.3	54.0	0.2	6.1	94.5
GWC-10	3/22/2019	13.5	4566	27.13	0.02	15.1	6.2	161.2	1.4	7.6	57.8
GWC-10R	3/22/2019	7.7	2880	27.18	0	14.0	7.3	264.8	0.4	7.3	-12.1
GWC-11	3/23/2019	2.2	1260	17.33	0.02	18.2	6.3	92.7	1.6	3.8	34.2
GWC-11R	3/23/2019	2.6	1260	17.23	0.03	17.5	7.6	268.3	1.2	5.8	-15.8
GWC-12	3/23/2019	22.4	11520	16.45	0.30	19.4	6.3	110.2	5.1	0.2	-50.7
GWC-13	3/23/2019	18.2	9121	25.64	0.06	17.1	7.3	230.0	4.8	4.8	29.4
GWC-13RZ	3/22/2019	27.2	11762	51.46	43.2	16.7	7.5	436.7	0.9	3.4	59.9
GWC-14Z	3/22/2019	5.8	2881	25.11	2.52	18.2	6.3	180.3	0.2	4.6	53.8
GWC-15R	3/25/2019	22.6	11788	34.03	0.28	16.7	7.6	341.0	4.7	2.9	12.4
GWC-15Z	3/22/2019	3.0	1620	33.62	0.49	17.4	7.6	232.0	0.8	5.9	25.4
GWC-16R	3/11/2019	4.9	2161	77.10	2.3	15.5	7.2	578.6	0.4	0.4	24.3
GWC-17R	3/12/2019	4.3	2340	77.03	6.0	22.1	7.1	591.8	0.2	6.2	62.4
GWC-18	3/12/2019	2.3	900	68.00	0	17.0	7.1	202.2	0.8	6.7	63.4
GWC-18R	3/12/2019	2.5	1260	67.85	0	16.1	7.8	271.0	1.2	6.3	45.1
GWC-19R	3/12/2019	3.1	1680	74.94	0	18.4	7.6	288.9	0.2	6.3	19.0
GWC-20R	3/12/2019	2.7	1200	65.75	0.08	15.1	7.6	327.8	0.2	6.8	33.3
GWC-21R	3/11/2019	1.7	900	67.27	2.7	15.9	7.0	579.8	1.1	0.2	29.5
GWC-21R	6/18/2019	5.3	2641	71.64	4.3	18.6	6.9	596.6	0.5	0.1	-54.7
GWC-22R	3/11/2019	9.1	4680	59.42	0	16.1	7.5	312.2	3.8	4.2	19.7
GWC-23R	3/12/2019	4.0	2160	34.88	4.8	13.0	7.6	561.1	0.3	7.9	50.1
GWC-24R	3/8/2019	3.6	1440	20.08	0.57	14.8	7.7	282.5	0.7	4.0	-49.0
GWC-25R	3/8/2019	3.8	1440	19.05	0	15.4	7.7	309.5	1.9	6.2	2.5

Well ID	Sample Date	Purge Volume (liter)	Time Elapsed	DTW (feet, TOC)	Drawdown (feet)	Temperature ©	pH (su)	Specific Conductance (uS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
GWA-36	3/6/2019	5.3	2640	25.85	0	16.1	6.6	128.1	3.5	6.9	514.9
GWA-36R	3/7/2019	2.2	1200	25.32	0	15.0	7.5	278.1	2.8	4.9	118.6
GWA-37	3/6/2019	11.5	6480	46.35	11.4	15.7	5.4	23.2	0.6	4.5	81.9
GWA-38	3/7/2019	3.5	1800	47.18	6.2	16.3	5.5	40.9	0.5	6.9	94.4
GWA-39RZ	3/14/2019	71.8	27364	52.21	74.4	17.4	7.2	318.3	0.9	1.4	112.8
GWA-39Z	3/15/2019	28.6	13200	54.96	0.3	15.0	6.8	188.8	6.0	6.5	71.3
GWA-40	3/13/2019	3.5	1620	57.75	0	18.7	7.1	177.4	0.6	7.1	111.7
GWA-41	3/14/2019	4.8	2881	64.21	0.08	16.3	6.6	197.2	1.4	5.2	61.8
GWA-41R	3/14/2019	26.9	12603	64.99	0.85	18.4	6.9	292.1	9.9	3.5	46.7
GWA-42	3/14/2019	3.4	1440	65.70	0.05	18.3	7.6	270.4	4.3	3.8	26.1
GWA-43	3/13/2019	9.4	3600	42.81	0.19	15.7	5.6	26.3	3.6	6.9	105.8
GWA-43R	3/13/2019	14.8	7382	43.20	0.05	18.8	7.8	241.9	4.7	5.8	80.4
GWC-44	3/14/2019	5.4	2160	41.50	0.30	17.2	4.4	181.7	0.5	3.1	124.2
GWC-45	3/14/2019	13.5	6485	32.83	5.0	18.6	5.0	21.9	4.2	5.6	130.8
GWC-45R	3/14/2019	3.2	1260	43.80	0.02	17.7	7.1	356.9	0.7	3.7	87.2
GWC-46R	3/18/2019	3.0	1440	31.27	1.3	14.3	7.4	469.3	0.1	7.5	43.1
GWC-47	3/15/2019	2.3	1080	32.53	0	16.3	7.5	216.3	4.0	2.7	76.6
GWC-47R	3/19/2019	17.4	7443	32.53	5.7	17.2	7.9	280.7	0.3	4.7	50.3
GWC-48	3/15/2019	5.0	3423	29.35	0.05	17.6	5.3	46.0	0.4	3.2	16.6
GWC-49R	3/18/2019	45.9	12728	48.15	0	17.4	7.9	286.3	0.2	4.9	-11.0
GWC-49Z	3/19/2019	6.0	3600	47.41	0.55	15.3	5.6	29.2	1.3	7.5	659.6
GWA-50	3/19/2019	28.6	9611	48.32	13.6	15.1	5.9	34.5	1.6	5.8	68.4
GWA-50R	3/19/2019	13.7	7689	63.37	0	16.1	6.0	45.3	0.7	9.8	78.6
GWA-51RZ	3/8/2019	29.0	16560	50.77	30.4	16.1	7.6	367.3	0.6	3.1	868.3
GWA-52	3/7/2019	4.2	1920	51.68	0	17.2	7.3	286.5	0.2	5.7	43.0
GWA-53	3/8/2019	23.0	11522	52.77	0	16.3	7.7	260.2	7.6	7.1	22.7
GWA-53R	3/12/2019	2.6	900	53.35	0	17.6	7.7	270.0	3.1	6.0	39.9
GWA-54	3/7/2019	5.9	2880	46.00	0	17.1	7.6	230.1	0.3	3.2	46.8
GWA-55	3/8/2019	2.7	1260	38.45	0	16.1	7.1	398.0	0.4	3.5	52.9
GWA-55R	3/7/2019	2.6	900	38.43	0	16.7	7.2	374.9	3.7	4.2	24.6
GWA-56	3/7/2019	4.2	1982	34.05	0.40	16.7	8.1	594.1	4.2	0.6	5.4

April 03, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

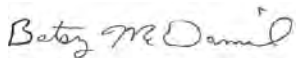
RE: Project: Plant Bowen cells 1+2  
Pace Project No.: 2616508

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen cells 1+2

Pace Project No.: 2616508

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen cells 1+2

Pace Project No.: 2616508

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2616508001	GWC-6RZ	Water	03/21/19 09:54	03/22/19 14:20
2616508002	GWC-6	Water	03/21/19 11:04	03/22/19 14:20
2616508003	GWA-4RZ	Water	03/21/19 11:45	03/22/19 14:20
2616508004	GWC-7Z	Water	03/21/19 13:32	03/22/19 14:20
2616508005	GWC-9	Water	03/21/19 16:51	03/22/19 14:20
2616508006	FBL032119	Water	03/21/19 16:32	03/22/19 14:20
2616508007	EQBL032119	Water	03/21/19 16:36	03/22/19 14:20

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen cells 1+2

Pace Project No.: 2616508

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2616508001	GWC-6RZ	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616508002	GWC-6	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616508003	GWA-4RZ	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616508004	GWC-7Z	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616508005	GWC-9	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616508006	FBL032119	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616508007	EQBL032119	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 1+2  
Pace Project No.: 2616508

Sample: GWC-6RZ		Lab ID: 2616508001		Collected: 03/21/19 09:54		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 17:34	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 17:34	7440-38-2		
Barium	<b>0.0075J</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 17:34	7440-39-3		
Beryllium	<b>0.000076J</b>	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 17:34	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 17:34	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 17:34	7440-43-9		
Calcium	<b>8.3</b>	mg/L	0.50	0.014	1	03/27/19 13:02	03/28/19 17:34	7440-70-2		
Chromium	<b>0.0025J</b>	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 17:34	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 17:34	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 17:34	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 17:34	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 17:34	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 17:34	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 17:34	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 17:34	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 17:34	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 17:34	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.000039J</b>	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 10:44	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>60.0</b>	mg/L	25.0	10.0	1		03/28/19 20:10			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.5</b>	mg/L	0.25	0.024	1		04/02/19 09:59	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 09:59	16984-48-8		
Sulfate	<b>1.7</b>	mg/L	1.0	0.017	1		04/02/19 09:59	14808-79-8	M1	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen cells 1+2  
Pace Project No.: 2616508

Sample: <b>GWC-6</b> Lab ID: <b>2616508002</b> Collected: 03/21/19 11:04 Received: 03/22/19 14:20 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b> Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 17:46	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 17:46	7440-38-2	
Barium	<b>0.0074J</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 17:46	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 17:46	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 17:46	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 17:46	7440-43-9	
Calcium	<b>14.9J</b>	mg/L	25.0	0.69	50	03/27/19 13:02	03/28/19 17:51	7440-70-2	D3
Chromium	<b>0.0029J</b>	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 17:46	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 17:46	7440-48-4	
Copper	<b>0.0018J</b>	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 17:46	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 17:46	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 17:46	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 17:46	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 17:46	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 17:46	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 17:46	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 17:46	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	<b>0.000045J</b>	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 10:54	7439-97-6	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C									
Total Dissolved Solids	<b>80.0</b>	mg/L	25.0	10.0	1		03/28/19 20:10		
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Chloride	<b>1.4</b>	mg/L	0.25	0.024	1		04/02/19 10:20	16887-00-6	B
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 10:20	16984-48-8	
Sulfate	<b>2.7</b>	mg/L	1.0	0.017	1		04/02/19 10:20	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 1+2

Pace Project No.: 2616508

Sample: GWA-4RZ		Lab ID: 2616508003		Collected: 03/21/19 11:45		Received: 03/22/19 14:20		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 17:57	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 17:57	7440-38-2	
Barium	<b>0.040</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 17:57	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 17:57	7440-41-7	
Boron	<b>0.0066J</b>	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 17:57	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 17:57	7440-43-9	
Calcium	<b>49.9</b>	mg/L	25.0	0.69	50	03/27/19 13:02	03/28/19 18:03	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 17:57	7440-47-3	
Cobalt	<b>0.022</b>	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 17:57	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 17:57	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 17:57	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 17:57	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 17:57	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 17:57	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 17:57	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 17:57	7440-62-2	
Zinc	<b>0.0034J</b>	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 17:57	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	<b>0.000068J</b>	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 10:56	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>367</b>	mg/L	25.0	10.0	1		03/28/19 20:10		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>3.6</b>	mg/L	0.25	0.024	1		04/02/19 10:41	16887-00-6	
Fluoride	<b>0.19J</b>	mg/L	0.30	0.029	1		04/02/19 10:41	16984-48-8	
Sulfate	<b>24.9</b>	mg/L	1.0	0.017	1		04/02/19 10:41	14808-79-8	

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 1+2

Pace Project No.: 2616508

Sample: <b>GWC-7Z</b>		Lab ID: <b>2616508004</b>		Collected: 03/21/19 13:32		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 18:08	7440-36-0		
Arsenic	<b>0.00077J</b>	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 18:08	7440-38-2		
Barium	<b>0.030</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 18:08	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 18:08	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 18:08	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 18:08	7440-43-9		
Calcium	<b>25.2</b>	mg/L	25.0	0.69	50	03/27/19 13:02	03/28/19 18:14	7440-70-2	M6	
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 18:08	7440-47-3		
Cobalt	<b>0.00059J</b>	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 18:08	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 18:08	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 18:08	7439-92-1		
Nickel	<b>0.00099J</b>	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 18:08	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 18:08	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 18:08	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 18:08	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 18:08	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 18:08	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.000043J</b>	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 10:59	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>107</b>	mg/L	25.0	10.0	1		03/28/19 20:10			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.0</b>	mg/L	0.25	0.024	1		04/02/19 11:02	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 11:02	16984-48-8		
Sulfate	<b>1.9</b>	mg/L	1.0	0.017	1		04/02/19 11:02	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 1+2

Pace Project No.: 2616508

Sample: GWC-9		Lab ID: 2616508005		Collected: 03/21/19 16:51		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 19:00	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 19:00	7440-38-2		
Barium	<b>0.042</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 19:00	7440-39-3		
Beryllium	<b>0.00015J</b>	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 19:00	7440-41-7		
Boron	<b>0.0060J</b>	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 19:00	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 19:00	7440-43-9		
Calcium	<b>4.8</b>	mg/L	0.50	0.014	1	03/27/19 13:02	03/28/19 19:00	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 19:00	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 19:00	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 19:00	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 19:00	7439-92-1		
Nickel	<b>0.0010J</b>	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 19:00	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 19:00	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 19:00	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 19:00	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 19:00	7440-62-2		
Zinc	<b>0.0024J</b>	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 19:00	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.000042J</b>	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:06	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>39.0</b>	mg/L	25.0	10.0	1		03/28/19 20:11			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.0</b>	mg/L	0.25	0.024	1		04/02/19 11:24	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 11:24	16984-48-8		
Sulfate	<b>2.3</b>	mg/L	1.0	0.017	1		04/02/19 11:24	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 1+2

Pace Project No.: 2616508

Sample: FBL032119		Lab ID: 2616508006		Collected: 03/21/19 16:32		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 19:12	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 19:12	7440-38-2		
Barium	ND	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 19:12	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 19:12	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 19:12	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 19:12	7440-43-9		
Calcium	ND	mg/L	0.50	0.014	1	03/27/19 13:02	03/28/19 19:12	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 19:12	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 19:12	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 19:12	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 19:12	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 19:12	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 19:12	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 19:12	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 19:12	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 19:12	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 19:12	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:08	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	ND	mg/L	25.0	10.0	1		03/28/19 20:11			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>0.058J</b>	mg/L	0.25	0.024	1		04/02/19 11:45	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 11:45	16984-48-8		
Sulfate	<b>0.048J</b>	mg/L	1.0	0.017	1		04/02/19 11:45	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 1+2

Pace Project No.: 2616508

Sample: EQBL032119      Lab ID: 2616508007      Collected: 03/21/19 16:36      Received: 03/22/19 14:20      Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b> Analytical Method: EPA 6020B      Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 19:18	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 19:18	7440-38-2	
Barium	ND	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 19:18	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 19:18	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 19:18	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 19:18	7440-43-9	
Calcium	ND	mg/L	0.50	0.014	1	03/27/19 13:02	03/28/19 19:18	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 19:18	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 19:18	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 19:18	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 19:18	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 19:18	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 19:18	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 19:18	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 19:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 19:18	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 19:18	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Mercury	<b>0.000046J</b>	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:11	7439-97-6	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C									
Total Dissolved Solids	<b>11.0J</b>	mg/L	25.0	10.0	1		03/28/19 20:11		
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Chloride	<b>0.069J</b>	mg/L	0.25	0.024	1		04/02/19 12:06	16887-00-6	B
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 12:06	16984-48-8	
Sulfate	<b>0.028J</b>	mg/L	1.0	0.017	1		04/02/19 12:06	14808-79-8	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells 1+2

Pace Project No.: 2616508

QC Batch: 25266 Analysis Method: EPA 7470A  
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
 Associated Lab Samples: 2616508001, 2616508002, 2616508003, 2616508004, 2616508005, 2616508006, 2616508007

METHOD BLANK: 113834 Matrix: Water  
 Associated Lab Samples: 2616508001, 2616508002, 2616508003, 2616508004, 2616508005, 2616508006, 2616508007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/28/19 10:40	

LABORATORY CONTROL SAMPLE: 113835

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 113836 113837

Parameter	Units	2616508001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.000039J	0.0025	0.0025	0.0025	0.0025	99	97	75-125	2	20	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells 1+2

Pace Project No.: 2616508

QC Batch: 25235

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020B MET

Associated Lab Samples: 2616508001, 2616508002, 2616508003, 2616508004, 2616508005, 2616508006, 2616508007

METHOD BLANK: 113720

Matrix: Water

Associated Lab Samples: 2616508001, 2616508002, 2616508003, 2616508004, 2616508005, 2616508006, 2616508007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/28/19 17:23	
Arsenic	mg/L	ND	0.0050	0.00057	03/28/19 17:23	
Barium	mg/L	ND	0.010	0.00078	03/28/19 17:23	
Beryllium	mg/L	ND	0.0030	0.000050	03/28/19 17:23	
Boron	mg/L	ND	0.040	0.0039	03/28/19 17:23	
Cadmium	mg/L	ND	0.0010	0.000093	03/28/19 17:23	
Calcium	mg/L	ND	0.50	0.014	03/28/19 17:23	
Chromium	mg/L	ND	0.010	0.0016	03/28/19 17:23	
Cobalt	mg/L	ND	0.010	0.00052	03/28/19 17:23	
Copper	mg/L	ND	0.025	0.0013	03/28/19 17:23	
Lead	mg/L	ND	0.0050	0.00027	03/28/19 17:23	
Nickel	mg/L	ND	0.010	0.00095	03/28/19 17:23	
Selenium	mg/L	ND	0.010	0.0014	03/28/19 17:23	
Silver	mg/L	ND	0.010	0.00095	03/28/19 17:23	
Thallium	mg/L	ND	0.0010	0.00014	03/28/19 17:23	
Vanadium	mg/L	ND	0.010	0.0019	03/28/19 17:23	
Zinc	mg/L	ND	0.010	0.0021	03/28/19 17:23	

LABORATORY CONTROL SAMPLE: 113721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Calcium	mg/L	1	1.0	102	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.10	101	80-120	
Vanadium	mg/L	0.1	0.10	103	80-120	
Zinc	mg/L	0.1	0.10	100	80-120	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells 1+2

Pace Project No.: 2616508

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 113722		113723		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		2616508004 Result	MS Spike Conc.	MSD Spike Conc.									
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20		
Arsenic	mg/L	0.00077J	0.1	0.1	0.10	0.10	103	102	75-125	1	20		
Barium	mg/L	0.030	0.1	0.1	0.13	0.13	103	102	75-125	1	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20		
Boron	mg/L	ND	1	1	0.99	0.98	99	98	75-125	0	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20		
Calcium	mg/L	25.2	1	1	26.6	25.8	144	65	75-125	3	20	M6	
Chromium	mg/L	ND	0.1	0.1	0.11	0.11	107	105	75-125	2	20		
Cobalt	mg/L	0.00059J	0.1	0.1	0.11	0.10	105	104	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20		
Lead	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20		
Nickel	mg/L	0.00099J	0.1	0.1	0.11	0.10	106	103	75-125	3	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20		
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	1	20		
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	108	108	75-125	0	20		
Zinc	mg/L	ND	0.1	0.1	0.10	0.11	102	113	75-125	10	20		

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### QUALITY CONTROL DATA

Project: Plant Bowen cells 1+2  
Pace Project No.: 2616508

QC Batch: 25371 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2616508001, 2616508002, 2616508003, 2616508004, 2616508005, 2616508006, 2616508007

METHOD BLANK: 114378 Matrix: Water  
Associated Lab Samples: 2616508001, 2616508002, 2616508003, 2616508004, 2616508005, 2616508006, 2616508007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	0.31	0.25	0.024	03/29/19 15:25	
Fluoride	mg/L	ND	0.30	0.029	03/29/19 15:25	
Sulfate	mg/L	ND	1.0	0.017	03/29/19 15:25	

LABORATORY CONTROL SAMPLE: 114379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.3	103	90-110	
Fluoride	mg/L	10	10.2	102	90-110	
Sulfate	mg/L	10	10.9	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 114380 114381

Parameter	Units	2616508001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.5	10	10	11.7	11.8	103	103	90-110	0	15	
Fluoride	mg/L	ND	10	10	10.2	10.1	102	101	90-110	1	15	
Sulfate	mg/L	1.7	10	10	12.8	12.9	110	112	90-110	1	15 M1	

MATRIX SPIKE SAMPLE: 114382

Parameter	Units	2616508002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.4	10	11.4	100	90-110	
Fluoride	mg/L	ND	10	10.0	100	90-110	
Sulfate	mg/L	2.7	10	13.3	106	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: Plant Bowen cells 1+2

Pace Project No.: 2616508

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: Plant Bowen cells 1+2  
Pace Project No.: 2616508

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2616508001	GWC-6RZ	EPA 3005A	25235	EPA 6020B	25272
2616508002	GWC-6	EPA 3005A	25235	EPA 6020B	25272
2616508003	GWA-4RZ	EPA 3005A	25235	EPA 6020B	25272
2616508004	GWC-7Z	EPA 3005A	25235	EPA 6020B	25272
2616508005	GWC-9	EPA 3005A	25235	EPA 6020B	25272
2616508006	FBL032119	EPA 3005A	25235	EPA 6020B	25272
2616508007	EQBL032119	EPA 3005A	25235	EPA 6020B	25272
2616508001	GWC-6RZ	EPA 7470A	25266	EPA 7470A	25309
2616508002	GWC-6	EPA 7470A	25266	EPA 7470A	25309
2616508003	GWA-4RZ	EPA 7470A	25266	EPA 7470A	25309
2616508004	GWC-7Z	EPA 7470A	25266	EPA 7470A	25309
2616508005	GWC-9	EPA 7470A	25266	EPA 7470A	25309
2616508006	FBL032119	EPA 7470A	25266	EPA 7470A	25309
2616508007	EQBL032119	EPA 7470A	25266	EPA 7470A	25309
2616508001	GWC-6RZ	SM 2540C	25323		
2616508002	GWC-6	SM 2540C	25323		
2616508003	GWA-4RZ	SM 2540C	25323		
2616508004	GWC-7Z	SM 2540C	25323		
2616508005	GWC-9	SM 2540C	25323		
2616508006	FBL032119	SM 2540C	25323		
2616508007	EQBL032119	SM 2540C	25323		
2616508001	GWC-6RZ	EPA 300.0	25371		
2616508002	GWC-6	EPA 300.0	25371		
2616508003	GWA-4RZ	EPA 300.0	25371		
2616508004	GWC-7Z	EPA 300.0	25371		
2616508005	GWC-9	EPA 300.0	25371		
2616508006	FBL032119	EPA 300.0	25371		
2616508007	EQBL032119	EPA 300.0	25371		

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b>	<b>Section B</b>	<b>Section C</b>
<b>Required Client Information:</b>	<b>Required Project Information:</b>	<b>Invoice Information:</b>
Company: Georgia Power - Coal Combustion Residuals	Report To: Jozu Abraham	Attention:
Address: 2480 Maner Road	Copy To:	Company Name:
Atlanta, GA 30339		Address:
Email: j.abraham@southernco.com	Purchase Order #:	Regulatory/Agency:
Phone: (404) 505-7239	Plant Bowen Cells 137	State / Location:
Requested Due Date:	Project #:	GA
		Pace Project Manager: betsey.medaniel@pacelabs.com
		Pace Profile #: 317.5

ITEM #	MATRIX	CODE	SAMPLE ID	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see wild codes to left)	# OF CONTAINERS	Preservatives	Analytes Test	State Metals by 60207470	TDS, Chloride, Florida, Sul	Residual Chlorine (Y/N)
				START DATE	END DATE								
1	Drinking Water	DW	GWC-6BZ	3/22/19	09:54	G	3	Unpreserved	Y	Y	Y	Y	
2	Waste Water	WT	GWC-6	3/22/19	10:04	G	2	H2SO4	Y	Y	Y	Y	
3	Waste Water Product	WW	GWDR-4BZ	3/22/19	11:55	G	2	H2SO4	Y	Y	Y	Y	
4	Soil/Solid	SL	GWC-7B	3/22/19	13:24	G	2	H2SO4	Y	Y	Y	Y	
5	Oil	OL	GWC-9	3/22/19	14:51	G	2	H2SO4	Y	Y	Y	Y	
6	Wipe	WP	FBLDRZ119	3/22/19	10:32	G	2	H2SO4	Y	Y	Y	Y	
7	Air	AR	FBLDRZ2119	3/22/19	14:36	G	2	H2SO4	Y	Y	Y	Y	
8	Other	OT											
9	Tissue	TS											

WO# - 2616508

DATE	TIME	ACCEPTED BY / ASSURATION	DATE	TIME	RECEIVED ON	TEMP in C	Received on	Sealed	Cooled	Custody	Samples	Inlet
3/22/19	10:48	[Signature]	3/22/19	10:48	0.2	Y	Y	Y	Y	Y	Y	Y



Sample Condition Upon Receipt

Client Name: GIA Power

Project # \_\_\_\_\_

WO#: **2616508**

PM: BM Due Date: 03/29/19

CLIENT: **GAPower-CCR**

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used 83 Type of Ice:  Wet  Blue  None

Cooler Temperature 0.2 Biological Tissue is Frozen: Yes No  Samples on ice, cooling process has begun

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 3/22/19 *[Signature]*

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.		
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.		
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.		
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.		
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.		
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.		
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.		
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.		
-Includes date/time/ID/Analysis Matrix:	<u>W</u>			
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.		
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: \_\_\_\_\_

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Field Data Required? Y / N

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

April 03, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

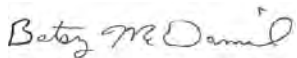
RE: Project: Plant Bowen cells-State List  
Pace Project No.: 2616509

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen cells-State List

Pace Project No.: 2616509

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen cells-State List

Pace Project No.: 2616509

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2616509001	GWA-1	Water	03/20/19 12:36	03/22/19 14:20
2616509002	GWA-2	Water	03/20/19 14:38	03/22/19 14:20
2616509003	GWC-5	Water	03/20/19 16:06	03/22/19 14:20
2616509004	GWA-3	Water	03/20/19 16:20	03/22/19 14:20
2616509005	Dup-2	Water	03/20/19 00:00	03/22/19 14:20

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen cells-State List

Pace Project No.: 2616509

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2616509001	GWA-1	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616509002	GWA-2	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616509003	GWC-5	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616509004	GWA-3	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616509005	Dup-2	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616509

Sample: GWA-1		Lab ID: 2616509001		Collected: 03/20/19 12:36		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 19:35	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 19:35	7440-38-2		
Barium	<b>0.019</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 19:35	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 19:35	7440-41-7		
Boron	<b>0.0042J</b>	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 19:35	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 19:35	7440-43-9		
Calcium	<b>30.1</b>	mg/L	25.0	0.69	50	03/27/19 13:02	03/28/19 19:41	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 19:35	7440-47-3		
Cobalt	<b>0.00078J</b>	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 19:35	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 19:35	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 19:35	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 19:35	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 19:35	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 19:35	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 19:35	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 19:35	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 19:35	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.000040J</b>	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:13	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>175</b>	mg/L	25.0	10.0	1		03/27/19 16:31			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.4</b>	mg/L	0.25	0.024	1		04/02/19 12:27	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 12:27	16984-48-8		
Sulfate	<b>1.5</b>	mg/L	1.0	0.017	1		04/02/19 12:27	14808-79-8		

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616509

Sample: GWA-2		Lab ID: 2616509002		Collected: 03/20/19 14:38		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 19:46	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 19:46	7440-38-2		
Barium	<b>0.0072J</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 19:46	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 19:46	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 19:46	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 19:46	7440-43-9		
Calcium	<b>4.3</b>	mg/L	0.50	0.014	1	03/27/19 13:02	03/28/19 19:46	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 19:46	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 19:46	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 19:46	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 19:46	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 19:46	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 19:46	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 19:46	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 19:46	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 19:46	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 19:46	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.000039J</b>	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:15	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>49.0</b>	mg/L	25.0	10.0	1		03/27/19 16:34			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>0.86</b>	mg/L	0.25	0.024	1		04/02/19 12:48	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 12:48	16984-48-8		
Sulfate	<b>3.6</b>	mg/L	1.0	0.017	1		04/02/19 12:48	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616509

Sample: GWC-5		Lab ID: 2616509003		Collected: 03/20/19 16:06		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 19:58	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 19:58	7440-38-2		
Barium	<b>0.018</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 19:58	7440-39-3		
Beryllium	<b>0.00046J</b>	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 19:58	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 19:58	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 19:58	7440-43-9		
Calcium	<b>2.7</b>	mg/L	0.50	0.014	1	03/27/19 13:02	03/28/19 19:58	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 19:58	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 19:58	7440-48-4		
Copper	<b>0.023J</b>	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 19:58	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 19:58	7439-92-1		
Nickel	<b>0.0080J</b>	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 19:58	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 19:58	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 19:58	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 19:58	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 19:58	7440-62-2		
Zinc	<b>0.032</b>	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 19:58	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.000043J</b>	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:18	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>66.0</b>	mg/L	25.0	10.0	1		03/27/19 16:35			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>0.93</b>	mg/L	0.25	0.024	1		04/02/19 13:10	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 13:10	16984-48-8		
Sulfate	<b>1.3</b>	mg/L	1.0	0.017	1		04/02/19 13:10	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616509

Sample: GWA-3		Lab ID: 2616509004		Collected: 03/20/19 16:20		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	<b>0.0019J</b>	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 20:09	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 20:09	7440-38-2		
Barium	<b>0.0042J</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 20:09	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 20:09	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 20:09	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 20:09	7440-43-9		
Calcium	<b>0.96</b>	mg/L	0.50	0.014	1	03/27/19 13:02	03/28/19 20:09	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 20:09	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 20:09	7440-48-4		
Copper	<b>0.026</b>	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 20:09	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 20:09	7439-92-1		
Nickel	<b>0.010</b>	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 20:09	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 20:09	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 20:09	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 20:09	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 20:09	7440-62-2		
Zinc	<b>0.028</b>	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 20:09	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:20	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>30.0</b>	mg/L	25.0	10.0	1		03/27/19 16:35			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.5</b>	mg/L	0.25	0.024	1		04/02/19 14:56	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 14:56	16984-48-8		
Sulfate	<b>0.38J</b>	mg/L	1.0	0.017	1		04/02/19 14:56	14808-79-8		

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616509

Sample: Dup-2		Lab ID: 2616509005		Collected: 03/20/19 00:00		Received: 03/22/19 14:20		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	<b>0.00085J</b>	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 20:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 20:21	7440-38-2	
Barium	<b>0.020</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 20:21	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 20:21	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 20:21	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 20:21	7440-43-9	
Calcium	<b>30.0</b>	mg/L	25.0	0.69	50	03/27/19 13:02	03/28/19 20:26	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 20:21	7440-47-3	
Cobalt	<b>0.00079J</b>	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 20:21	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 20:21	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 20:21	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 20:21	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 20:21	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 20:21	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 20:21	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 20:21	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 20:21	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:22	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>176</b>	mg/L	25.0	10.0	1		03/27/19 16:36		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>1.4</b>	mg/L	0.25	0.024	1		04/02/19 15:17	16887-00-6	B
Fluoride	<b>0.043J</b>	mg/L	0.30	0.029	1		04/02/19 15:17	16984-48-8	
Sulfate	<b>1.5</b>	mg/L	1.0	0.017	1		04/02/19 15:17	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616509

QC Batch: 25266 Analysis Method: EPA 7470A  
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
Associated Lab Samples: 2616509001, 2616509002, 2616509003, 2616509004, 2616509005

METHOD BLANK: 113834 Matrix: Water  
Associated Lab Samples: 2616509001, 2616509002, 2616509003, 2616509004, 2616509005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/28/19 10:40	

LABORATORY CONTROL SAMPLE: 113835

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 113836 113837

Parameter	Units	2616508001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.000039J	0.0025	0.0025	0.0025	0.0025	99	97	75-125	2	20	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616509

QC Batch: 25235 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2616509001, 2616509002, 2616509003, 2616509004, 2616509005

METHOD BLANK: 113720 Matrix: Water  
Associated Lab Samples: 2616509001, 2616509002, 2616509003, 2616509004, 2616509005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/28/19 17:23	
Arsenic	mg/L	ND	0.0050	0.00057	03/28/19 17:23	
Barium	mg/L	ND	0.010	0.00078	03/28/19 17:23	
Beryllium	mg/L	ND	0.0030	0.000050	03/28/19 17:23	
Boron	mg/L	ND	0.040	0.0039	03/28/19 17:23	
Cadmium	mg/L	ND	0.0010	0.000093	03/28/19 17:23	
Calcium	mg/L	ND	0.50	0.014	03/28/19 17:23	
Chromium	mg/L	ND	0.010	0.0016	03/28/19 17:23	
Cobalt	mg/L	ND	0.010	0.00052	03/28/19 17:23	
Copper	mg/L	ND	0.025	0.0013	03/28/19 17:23	
Lead	mg/L	ND	0.0050	0.00027	03/28/19 17:23	
Nickel	mg/L	ND	0.010	0.00095	03/28/19 17:23	
Selenium	mg/L	ND	0.010	0.0014	03/28/19 17:23	
Silver	mg/L	ND	0.010	0.00095	03/28/19 17:23	
Thallium	mg/L	ND	0.0010	0.00014	03/28/19 17:23	
Vanadium	mg/L	ND	0.010	0.0019	03/28/19 17:23	
Zinc	mg/L	ND	0.010	0.0021	03/28/19 17:23	

LABORATORY CONTROL SAMPLE: 113721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Calcium	mg/L	1	1.0	102	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.10	101	80-120	
Vanadium	mg/L	0.1	0.10	103	80-120	
Zinc	mg/L	0.1	0.10	100	80-120	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616509

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 113722		113723		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		2616508004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20		
Arsenic	mg/L	0.00077J	0.1	0.1	0.10	0.10	103	102	75-125	1	20		
Barium	mg/L	0.030	0.1	0.1	0.13	0.13	103	102	75-125	1	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20		
Boron	mg/L	ND	1	1	0.99	0.98	99	98	75-125	0	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20		
Calcium	mg/L	25.2	1	1	26.6	25.8	144	65	75-125	3	20	M6	
Chromium	mg/L	ND	0.1	0.1	0.11	0.11	107	105	75-125	2	20		
Cobalt	mg/L	0.00059J	0.1	0.1	0.11	0.10	105	104	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20		
Lead	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20		
Nickel	mg/L	0.00099J	0.1	0.1	0.11	0.10	106	103	75-125	3	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20		
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	1	20		
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	108	108	75-125	0	20		
Zinc	mg/L	ND	0.1	0.1	0.10	0.11	102	113	75-125	10	20		

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616509

QC Batch: 25217 Analysis Method: SM 2540C  
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids  
Associated Lab Samples: 2616509001, 2616509002, 2616509003, 2616509004, 2616509005

LABORATORY CONTROL SAMPLE: 113666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	424	106	84-108	

SAMPLE DUPLICATE: 113667

Parameter	Units	2616509001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	175	179	2	10	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616509

QC Batch: 25371 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2616509001, 2616509002, 2616509003, 2616509004, 2616509005

METHOD BLANK: 114378 Matrix: Water  
Associated Lab Samples: 2616509001, 2616509002, 2616509003, 2616509004, 2616509005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	0.31	0.25	0.024	03/29/19 15:25	
Fluoride	mg/L	ND	0.30	0.029	03/29/19 15:25	
Sulfate	mg/L	ND	1.0	0.017	03/29/19 15:25	

LABORATORY CONTROL SAMPLE: 114379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.3	103	90-110	
Fluoride	mg/L	10	10.2	102	90-110	
Sulfate	mg/L	10	10.9	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 114380 114381

Parameter	Units	2616508001		2616508002		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Chloride	mg/L	1.5	10	10	11.7	11.8	103	103	90-110	0	15		
Fluoride	mg/L	ND	10	10	10.2	10.1	102	101	90-110	1	15		
Sulfate	mg/L	1.7	10	10	12.8	12.9	110	112	90-110	1	15	M1	

MATRIX SPIKE SAMPLE: 114382

Parameter	Units	2616508002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.4	10	11.4	100	90-110	
Fluoride	mg/L	ND	10	10.0	100	90-110	
Sulfate	mg/L	2.7	10	13.3	106	90-110	

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## QUALIFIERS

Project: Plant Bowen cells-State List

Pace Project No.: 2616509

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen cells-State List

Pace Project No.: 2616509

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2616509001	GWA-1	EPA 3005A	25235	EPA 6020B	25272
2616509002	GWA-2	EPA 3005A	25235	EPA 6020B	25272
2616509003	GWC-5	EPA 3005A	25235	EPA 6020B	25272
2616509004	GWA-3	EPA 3005A	25235	EPA 6020B	25272
2616509005	Dup-2	EPA 3005A	25235	EPA 6020B	25272
2616509001	GWA-1	EPA 7470A	25266	EPA 7470A	25309
2616509002	GWA-2	EPA 7470A	25266	EPA 7470A	25309
2616509003	GWC-5	EPA 7470A	25266	EPA 7470A	25309
2616509004	GWA-3	EPA 7470A	25266	EPA 7470A	25309
2616509005	Dup-2	EPA 7470A	25266	EPA 7470A	25309
2616509001	GWA-1	SM 2540C	25217		
2616509002	GWA-2	SM 2540C	25217		
2616509003	GWC-5	SM 2540C	25217		
2616509004	GWA-3	SM 2540C	25217		
2616509005	Dup-2	SM 2540C	25217		
2616509001	GWA-1	EPA 300.0	25371		
2616509002	GWA-2	EPA 300.0	25371		
2616509003	GWC-5	EPA 300.0	25371		
2616509004	GWA-3	EPA 300.0	25371		
2616509005	Dup-2	EPA 300.0	25371		

### REPORT OF LABORATORY ANALYSIS

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# Sample Condition Upon Receipt

Client Name: GTA Power

Project # \_\_\_\_\_

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other  
Tracking #: \_\_\_\_\_

**WO#: 2616509**

PM: **BM** Due Date: **03/29/19**  
CLIENT: **GAPower-CCR**

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used: 83 Type of Ice:  Wet  Blue  None

Cooler Temperature: 0.2 Biological Tissue is Frozen: Yes No  
Temp should be above freezing to 6°C

Samples on ice, cooling process has begun  
Date and initials of person examining contents: 3/22/19 MK

### Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.		
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.		
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.		
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.		
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.		
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.		
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.		
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.		
-Includes date/time/ID/Analysis Matrix:	<u>W</u>			
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.		
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: \_\_\_\_\_

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Field Data Required? Y / N

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

April 03, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

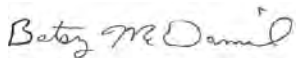
RE: Project: Plant Bowen cells-State List  
Pace Project No.: 2616511

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen cells-State List

Pace Project No.: 2616511

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen cells-State List

Pace Project No.: 2616511

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2616511001	GWA-50	Water	03/19/19 11:58	03/22/19 14:20
2616511002	GWA-50R	Water	03/19/19 15:37	03/22/19 14:20
2616511003	FBL031919	Water	03/19/19 16:50	03/22/19 14:20
2616511004	EQBL031919	Water	03/19/19 16:55	03/22/19 14:20
2616511005	Dup-1	Water	03/19/19 00:00	03/22/19 14:20
2616511006	GWA-2R	Water	03/19/19 12:06	03/22/19 14:20

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen cells-State List

Pace Project No.: 2616511

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2616511001	GWA-50	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616511002	GWA-50R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616511003	FBL031919	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616511004	EQBL031919	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616511005	Dup-1	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616511006	GWA-2R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616511

Sample: GWA-50		Lab ID: 2616511001		Collected: 03/19/19 11:58		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 21:06	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 21:06	7440-38-2		
Barium	<b>0.012</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 21:06	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 21:06	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 21:06	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 21:06	7440-43-9		
Calcium	<b>4.2</b>	mg/L	0.50	0.014	1	03/27/19 13:02	03/28/19 21:06	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 21:06	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 21:06	7440-48-4		
Copper	<b>0.0023J</b>	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 21:06	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 21:06	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 21:06	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 21:06	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 21:06	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 21:06	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 21:06	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 21:06	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:41	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>34.0</b>	mg/L	25.0	10.0	1		03/26/19 22:17			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.2</b>	mg/L	0.25	0.024	1		04/02/19 16:20	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 16:20	16984-48-8		
Sulfate	<b>0.52J</b>	mg/L	1.0	0.017	1		04/02/19 16:20	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616511

Sample: GWA-50R		Lab ID: 2616511002		Collected: 03/19/19 15:37		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 21:18	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 21:18	7440-38-2		
Barium	<b>0.013</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 21:18	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 21:18	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 21:18	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 21:18	7440-43-9		
Calcium	<b>4.6</b>	mg/L	0.50	0.014	1	03/27/19 13:02	03/28/19 21:18	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 21:18	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 21:18	7440-48-4		
Copper	<b>0.0029J</b>	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 21:18	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 21:18	7439-92-1		
Nickel	<b>0.0016J</b>	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 21:18	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 21:18	7782-49-2		
Silver	<b>0.0017J</b>	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 21:18	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 21:18	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 21:18	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 21:18	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:44	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>48.0</b>	mg/L	25.0	10.0	1		03/26/19 22:17			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>0.88</b>	mg/L	0.25	0.024	1		04/02/19 16:42	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 16:42	16984-48-8		
Sulfate	<b>0.97J</b>	mg/L	1.0	0.017	1		04/02/19 16:42	14808-79-8		

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616511

Sample: <b>FBL031919</b>		Lab ID: <b>2616511003</b>		Collected: 03/19/19 16:50		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 21:29	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 21:29	7440-38-2		
Barium	ND	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 21:29	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 21:29	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 21:29	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 21:29	7440-43-9		
Calcium	<b>0.014J</b>	mg/L	0.50	0.014	1	03/27/19 13:02	03/28/19 21:29	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 21:29	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 21:29	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 21:29	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 21:29	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 21:29	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 21:29	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 21:29	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 21:29	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 21:29	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 21:29	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:46	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	ND	mg/L	25.0	10.0	1		03/26/19 22:17			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>0.10J</b>	mg/L	0.25	0.024	1		04/02/19 17:03	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 17:03	16984-48-8		
Sulfate	<b>0.028J</b>	mg/L	1.0	0.017	1		04/02/19 17:03	14808-79-8		

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616511

Sample: EQBL031919		Lab ID: 2616511004		Collected: 03/19/19 16:55		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 21:35	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 21:35	7440-38-2		
Barium	ND	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 21:35	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 21:35	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 21:35	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 21:35	7440-43-9		
Calcium	<b>0.019J</b>	mg/L	0.50	0.014	1	03/27/19 13:02	03/28/19 21:35	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 21:35	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 21:35	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 21:35	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 21:35	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 21:35	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 21:35	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 21:35	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 21:35	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 21:35	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 21:35	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:48	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>12.0J</b>	mg/L	25.0	10.0	1		03/26/19 22:18			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>0.091J</b>	mg/L	0.25	0.024	1		04/02/19 17:24	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 17:24	16984-48-8		
Sulfate	<b>0.048J</b>	mg/L	1.0	0.017	1		04/02/19 17:24	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List  
Pace Project No.: 2616511

Sample: Dup-1		Lab ID: 2616511005		Collected: 03/19/19 00:00		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 21:52	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 21:52	7440-38-2		
Barium	<b>0.012</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 21:52	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 21:52	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 21:52	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 21:52	7440-43-9		
Calcium	<b>4.2</b>	mg/L	0.50	0.014	1	03/27/19 13:02	03/28/19 21:52	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 21:52	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 21:52	7440-48-4		
Copper	<b>0.0026J</b>	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 21:52	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 21:52	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 21:52	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 21:52	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 21:52	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 21:52	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 21:52	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 21:52	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:51	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>32.0</b>	mg/L	25.0	10.0	1		03/26/19 22:18			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.3</b>	mg/L	0.25	0.024	1		04/01/19 23:17	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/01/19 23:17	16984-48-8		
Sulfate	<b>1.3</b>	mg/L	1.0	0.017	1		04/01/19 23:17	14808-79-8		

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616511

Sample: GWA-2R		Lab ID: 2616511006		Collected: 03/19/19 12:06		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	<b>0.0019J</b>	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 22:04	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 22:04	7440-38-2		
Barium	<b>0.024</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 22:04	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 22:04	7440-41-7		
Boron	<b>0.014J</b>	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 22:04	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 22:04	7440-43-9		
Calcium	<b>59.2</b>	mg/L	25.0	0.69	50	03/27/19 13:02	03/28/19 22:09	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 22:04	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 22:04	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 22:04	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 22:04	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 22:04	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 22:04	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 22:04	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 22:04	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 22:04	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 22:04	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:53	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>208</b>	mg/L	25.0	10.0	1		03/26/19 22:18			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.0</b>	mg/L	0.25	0.024	1		04/02/19 00:25	16887-00-6	B	
Fluoride	<b>0.056J</b>	mg/L	0.30	0.029	1		04/02/19 00:25	16984-48-8		
Sulfate	<b>32.5</b>	mg/L	1.0	0.017	1		04/02/19 00:25	14808-79-8	M1	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616511

QC Batch: 25266 Analysis Method: EPA 7470A  
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
Associated Lab Samples: 2616511001, 2616511002, 2616511003, 2616511004, 2616511005, 2616511006

METHOD BLANK: 113834 Matrix: Water  
Associated Lab Samples: 2616511001, 2616511002, 2616511003, 2616511004, 2616511005, 2616511006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/28/19 10:40	

LABORATORY CONTROL SAMPLE: 113835

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 113836 113837

Parameter	Units	113836		113837		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2616508001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury	mg/L	0.000039J	0.0025	0.0025	0.0025	99	97	75-125	2	20	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616511

QC Batch: 25235 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2616511001, 2616511002, 2616511003, 2616511004, 2616511005, 2616511006

METHOD BLANK: 113720 Matrix: Water  
Associated Lab Samples: 2616511001, 2616511002, 2616511003, 2616511004, 2616511005, 2616511006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/28/19 17:23	
Arsenic	mg/L	ND	0.0050	0.00057	03/28/19 17:23	
Barium	mg/L	ND	0.010	0.00078	03/28/19 17:23	
Beryllium	mg/L	ND	0.0030	0.000050	03/28/19 17:23	
Boron	mg/L	ND	0.040	0.0039	03/28/19 17:23	
Cadmium	mg/L	ND	0.0010	0.000093	03/28/19 17:23	
Calcium	mg/L	ND	0.50	0.014	03/28/19 17:23	
Chromium	mg/L	ND	0.010	0.0016	03/28/19 17:23	
Cobalt	mg/L	ND	0.010	0.00052	03/28/19 17:23	
Copper	mg/L	ND	0.025	0.0013	03/28/19 17:23	
Lead	mg/L	ND	0.0050	0.00027	03/28/19 17:23	
Nickel	mg/L	ND	0.010	0.00095	03/28/19 17:23	
Selenium	mg/L	ND	0.010	0.0014	03/28/19 17:23	
Silver	mg/L	ND	0.010	0.00095	03/28/19 17:23	
Thallium	mg/L	ND	0.0010	0.00014	03/28/19 17:23	
Vanadium	mg/L	ND	0.010	0.0019	03/28/19 17:23	
Zinc	mg/L	ND	0.010	0.0021	03/28/19 17:23	

LABORATORY CONTROL SAMPLE: 113721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Calcium	mg/L	1	1.0	102	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.10	101	80-120	
Vanadium	mg/L	0.1	0.10	103	80-120	
Zinc	mg/L	0.1	0.10	100	80-120	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616511

Parameter	Units	2616508004		113722		113723		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20			
Arsenic	mg/L	0.00077J	0.1	0.1	0.10	0.10	103	102	75-125	1	20			
Barium	mg/L	0.030	0.1	0.1	0.13	0.13	103	102	75-125	1	20			
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20			
Boron	mg/L	ND	1	1	0.99	0.98	99	98	75-125	0	20			
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20			
Calcium	mg/L	25.2	1	1	26.6	25.8	144	65	75-125	3	20	M6		
Chromium	mg/L	ND	0.1	0.1	0.11	0.11	107	105	75-125	2	20			
Cobalt	mg/L	0.00059J	0.1	0.1	0.11	0.10	105	104	75-125	1	20			
Copper	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20			
Lead	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20			
Nickel	mg/L	0.00099J	0.1	0.1	0.11	0.10	106	103	75-125	3	20			
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20			
Silver	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20			
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	1	20			
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	108	108	75-125	0	20			
Zinc	mg/L	ND	0.1	0.1	0.10	0.11	102	113	75-125	10	20			

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616511

QC Batch: 25049

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Associated Lab Samples: 2616511001, 2616511002, 2616511003, 2616511004, 2616511005, 2616511006

LABORATORY CONTROL SAMPLE: 112956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	405	101	84-108	

SAMPLE DUPLICATE: 112957

Parameter	Units	2616510001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	35.0	36.0	3	10	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616511

QC Batch: 25371 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2616511001, 2616511002, 2616511003, 2616511004

METHOD BLANK: 114378 Matrix: Water  
Associated Lab Samples: 2616511001, 2616511002, 2616511003, 2616511004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	0.31	0.25	0.024	03/29/19 15:25	
Fluoride	mg/L	ND	0.30	0.029	03/29/19 15:25	
Sulfate	mg/L	ND	1.0	0.017	03/29/19 15:25	

LABORATORY CONTROL SAMPLE: 114379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.3	103	90-110	
Fluoride	mg/L	10	10.2	102	90-110	
Sulfate	mg/L	10	10.9	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 114380 114381

Parameter	Units	2616508001		2616508002		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	1.5	10	10	11.7	11.8	103	103	90-110	0	15		
Fluoride	mg/L	ND	10	10	10.2	10.1	102	101	90-110	1	15		
Sulfate	mg/L	1.7	10	10	12.8	12.9	110	112	90-110	1	15	M1	

MATRIX SPIKE SAMPLE: 114382

Parameter	Units	2616508002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.4	10	11.4	100	90-110	
Fluoride	mg/L	ND	10	10.0	100	90-110	
Sulfate	mg/L	2.7	10	13.3	106	90-110	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616511

QC Batch: 25448 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2616511005, 2616511006

METHOD BLANK: 114771 Matrix: Water  
Associated Lab Samples: 2616511005, 2616511006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	0.31	0.25	0.024	04/01/19 22:31	
Fluoride	mg/L	ND	0.30	0.029	04/01/19 22:31	
Sulfate	mg/L	ND	1.0	0.017	04/01/19 22:31	

LABORATORY CONTROL SAMPLE: 114772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.2	102	90-110	
Fluoride	mg/L	10	10.1	101	90-110	
Sulfate	mg/L	10	10.8	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 114773 114774

Parameter	Units	2616511005		114774		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	1.3	10	10	10.9	96	95	90-110	1	15	
Fluoride	mg/L	ND	10	10	9.7	97	96	90-110	1	15	
Sulfate	mg/L	1.3	10	10	11.0	97	96	90-110	1	15	

MATRIX SPIKE SAMPLE: 114775

Parameter	Units	2616511006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.0	10	11.3	93	90-110	
Fluoride	mg/L	0.056J	10	9.3	92	90-110	
Sulfate	mg/L	32.5	10	39.5	70	90-110 M1	

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## QUALIFIERS

Project: Plant Bowen cells-State List

Pace Project No.: 2616511

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

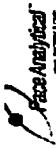
Project: Plant Bowen cells-State List  
Pace Project No.: 2616511

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2616511001	GWA-50	EPA 3005A	25235	EPA 6020B	25272
2616511002	GWA-50R	EPA 3005A	25235	EPA 6020B	25272
2616511003	FBL031919	EPA 3005A	25235	EPA 6020B	25272
2616511004	EQBL031919	EPA 3005A	25235	EPA 6020B	25272
2616511005	Dup-1	EPA 3005A	25235	EPA 6020B	25272
2616511006	GWA-2R	EPA 3005A	25235	EPA 6020B	25272
2616511001	GWA-50	EPA 7470A	25266	EPA 7470A	25309
2616511002	GWA-50R	EPA 7470A	25266	EPA 7470A	25309
2616511003	FBL031919	EPA 7470A	25266	EPA 7470A	25309
2616511004	EQBL031919	EPA 7470A	25266	EPA 7470A	25309
2616511005	Dup-1	EPA 7470A	25266	EPA 7470A	25309
2616511006	GWA-2R	EPA 7470A	25266	EPA 7470A	25309
2616511001	GWA-50	SM 2540C	25049		
2616511002	GWA-50R	SM 2540C	25049		
2616511003	FBL031919	SM 2540C	25049		
2616511004	EQBL031919	SM 2540C	25049		
2616511005	Dup-1	SM 2540C	25049		
2616511006	GWA-2R	SM 2540C	25049		
2616511001	GWA-50	EPA 300.0	25371		
2616511002	GWA-50R	EPA 300.0	25371		
2616511003	FBL031919	EPA 300.0	25371		
2616511004	EQBL031919	EPA 300.0	25371		
2616511005	Dup-1	EPA 300.0	25448		
2616511006	GWA-2R	EPA 300.0	25448		

### REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	scsmith@southernco.com
Address:	2480 Manner Road Atlanta, GA 30339	Copy To:	Wood Environmental	Company Name:	
Email:	fabraham@southernco.com	Purchase Order #	SCS10346806	Address:	
Phone:	(404)506-7238	Project Name:	Plant Bowen Collis - State List	Pack Quantity:	
Requested Due Date:		Project #:		Pack Project Manager:	bobby.mcdaniel@epa.ehpa.com
				Pack Profile #:	317.5

Page: ) Or |

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see yield codes to left)	# OF CONTAINERS	PRESERVATIVES							UNPRESERVED	TDS, CL, F, SO4	MELTIN 6020	RESIDUAL CHLORINE (Y/N)
			START DATE	END DATE				H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other				
1	Drinking Water	DW	3/19/19	1158	WTG	WTG	2											
2	Waste Water	WW	3/19/19	1537	WTG	WTG	2											
3	Waste Water	WW	3/19/19	1650	WTG	WTG	2											
4	Waste Water	WW	3/19/19	1655	WTG	WTG	2											
5	Waste Water	WW	3/19/19	---	WTG	WTG	2											
6	Waste Water	WW	3/19/19	1706	WTG	WTG	2											

**SAMPLE ID**  
One Character per box.  
(A-Z, 0-9, /, .)  
Sample IDs must be unique

GWA-50  
GWA-50R  
FBLOS1919  
FBLOS1919  
DUP-1  
GWA-ZE

NO#: 2616511  
2616511

DATE	TIME	INITIALS	SIGNATURE	DATE SIGNED	TEMP IN C	RECEIVED BY	CUSTODY (Y/N)	COOLER (Y/N)	SAMPLES (Y/N)
3/22/19	1048	[Signature]	Robert Mull / Kevin Stephenson	3/19/19	0.2	[Signature]	Y	Y	Y



Sample Condition Upon Receipt

Client Name: GIA Power

Project # \_\_\_\_\_

WO#: **2616511**

PM: **BM**

Due Date: **03/29/19**

CLIENT: **GRPower-CCR**

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_  
Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used 83 Type of Ice:  Wet  Blue  None

Cooler Temperature 0.2  
Temp should be above freezing to 8°C

Biological Tissue is Frozen: Yes No

Samples on ice, cooling process has begun

Date and Initials of person examining contents: 3/22/19 AK

Comments: \_\_\_\_\_

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.		
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.		
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.		
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.		
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.		
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.		
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.		
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.		
-Includes date/time/ID/Analysis Matrix:	<u>W</u>			
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	initial when completed	Lot # of added preservative	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.		
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? **Y / N**

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

April 04, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

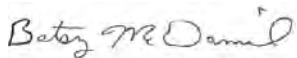
RE: Project: Plant Bowen Cells  
Pace Project No.: 2616596

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 26, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen Cells

Pace Project No.: 2616596

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## SAMPLE SUMMARY

Project: Plant Bowen Cells

Pace Project No.: 2616596

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
2616596001	GWC-13	Water	03/23/19 11:33	03/26/19 11:45
2616596002	GWC-12	Water	03/23/19 15:24	03/26/19 11:45
2616596003	GWC-11	Water	03/23/19 16:14	03/26/19 11:45
2616596004	GWC-11R	Water	03/23/19 16:59	03/26/19 11:45

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen Cells

Pace Project No.: 2616596

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2616596001	GWC-13	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616596002	GWC-12	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616596003	GWC-11	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616596004	GWC-11R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells

Pace Project No.: 2616596

Sample: GWC-13		Lab ID: 2616596001		Collected: 03/23/19 11:33		Received: 03/26/19 11:45		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/31/19 12:23	04/01/19 18:11	7440-36-0		
Arsenic	<b>0.00067J</b>	mg/L	0.0050	0.00057	1	03/31/19 12:23	04/01/19 18:11	7440-38-2		
Barium	<b>0.023</b>	mg/L	0.010	0.00078	1	03/31/19 12:23	04/01/19 18:11	7440-39-3		
Beryllium	<b>0.000061J</b>	mg/L	0.0030	0.000050	1	03/31/19 12:23	04/01/19 18:11	7440-41-7		
Boron	<b>0.012J</b>	mg/L	0.040	0.0039	1	03/31/19 12:23	04/01/19 18:11	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/31/19 12:23	04/01/19 18:11	7440-43-9		
Calcium	<b>29.6</b>	mg/L	25.0	0.69	50	03/31/19 12:23	04/01/19 18:17	7440-70-2		
Chromium	<b>0.0058J</b>	mg/L	0.010	0.0016	1	03/31/19 12:23	04/01/19 18:11	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/31/19 12:23	04/01/19 18:11	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/31/19 12:23	04/01/19 18:11	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/31/19 12:23	04/01/19 18:11	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 18:11	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/31/19 12:23	04/01/19 18:11	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 18:11	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/31/19 12:23	04/01/19 18:11	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/31/19 12:23	04/01/19 18:11	7440-62-2		
Zinc	<b>0.021</b>	mg/L	0.010	0.0021	1	03/31/19 12:23	04/01/19 18:11	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.00017J</b>	mg/L	0.00050	0.000036	1	04/02/19 08:27	04/02/19 14:10	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>135</b>	mg/L	25.0	10.0	1		03/28/19 20:12			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>3.5</b>	mg/L	0.25	0.024	1		04/02/19 19:31	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 19:31	16984-48-8		
Sulfate	<b>15.5</b>	mg/L	1.0	0.017	1		04/02/19 19:31	14808-79-8	M1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells  
Pace Project No.: 2616596

Sample: GWC-12		Lab ID: 2616596002		Collected: 03/23/19 15:24		Received: 03/26/19 11:45		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/31/19 12:23	04/01/19 18:22	7440-36-0		
Arsenic	<b>0.0055</b>	mg/L	0.0050	0.00057	1	03/31/19 12:23	04/01/19 18:22	7440-38-2		
Barium	<b>0.024</b>	mg/L	0.010	0.00078	1	03/31/19 12:23	04/01/19 18:22	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/31/19 12:23	04/01/19 18:22	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/31/19 12:23	04/01/19 18:22	7440-42-8		
Cadmium	<b>0.00035J</b>	mg/L	0.0010	0.000093	1	03/31/19 12:23	04/01/19 18:22	7440-43-9		
Calcium	<b>7.5</b>	mg/L	0.50	0.014	1	03/31/19 12:23	04/01/19 18:22	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/31/19 12:23	04/01/19 18:22	7440-47-3		
Cobalt	<b>0.0032J</b>	mg/L	0.010	0.00052	1	03/31/19 12:23	04/01/19 18:22	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/31/19 12:23	04/01/19 18:22	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/31/19 12:23	04/01/19 18:22	7439-92-1		
Nickel	<b>0.0026J</b>	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 18:22	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/31/19 12:23	04/01/19 18:22	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 18:22	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/31/19 12:23	04/01/19 18:22	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/31/19 12:23	04/01/19 18:22	7440-62-2		
Zinc	<b>0.012</b>	mg/L	0.010	0.0021	1	03/31/19 12:23	04/01/19 18:22	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.00015J</b>	mg/L	0.00050	0.000036	1	04/02/19 08:27	04/02/19 14:19	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>58.0</b>	mg/L	25.0	10.0	1		03/28/19 20:12			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>0.88</b>	mg/L	0.25	0.024	1		04/02/19 20:35	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 20:35	16984-48-8		
Sulfate	<b>0.30J</b>	mg/L	1.0	0.017	1		04/02/19 20:35	14808-79-8	B	

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells  
Pace Project No.: 2616596

Sample: GWC-11		Lab ID: 2616596003		Collected: 03/23/19 16:14		Received: 03/26/19 11:45		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	<b>0.00094J</b>	mg/L	0.0030	0.00078	1	03/31/19 12:23	04/01/19 18:34	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/31/19 12:23	04/01/19 18:34	7440-38-2		
Barium	<b>0.0081J</b>	mg/L	0.010	0.00078	1	03/31/19 12:23	04/01/19 18:34	7440-39-3		
Beryllium	<b>0.000057J</b>	mg/L	0.0030	0.000050	1	03/31/19 12:23	04/01/19 18:34	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/31/19 12:23	04/01/19 18:34	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/31/19 12:23	04/01/19 18:34	7440-43-9		
Calcium	<b>7.8</b>	mg/L	0.50	0.014	1	03/31/19 12:23	04/01/19 18:34	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/31/19 12:23	04/01/19 18:34	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/31/19 12:23	04/01/19 18:34	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/31/19 12:23	04/01/19 18:34	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/31/19 12:23	04/01/19 18:34	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 18:34	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/31/19 12:23	04/01/19 18:34	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 18:34	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/31/19 12:23	04/01/19 18:34	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/31/19 12:23	04/01/19 18:34	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/31/19 12:23	04/01/19 18:34	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.00015J</b>	mg/L	0.00050	0.000036	1	04/02/19 08:27	04/02/19 14:22	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>64.0</b>	mg/L	25.0	10.0	1		03/28/19 20:12			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.2</b>	mg/L	0.25	0.024	1		04/02/19 20:56	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 20:56	16984-48-8		
Sulfate	<b>2.1</b>	mg/L	1.0	0.017	1		04/02/19 20:56	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells

Pace Project No.: 2616596

Sample: <b>GWC-11R</b>		Lab ID: <b>2616596004</b>		Collected: 03/23/19 16:59		Received: 03/26/19 11:45		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/31/19 12:23	04/01/19 18:45	7440-36-0		
Arsenic	<b>0.0016J</b>	mg/L	0.0050	0.00057	1	03/31/19 12:23	04/01/19 18:45	7440-38-2		
Barium	<b>0.019</b>	mg/L	0.010	0.00078	1	03/31/19 12:23	04/01/19 18:45	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/31/19 12:23	04/01/19 18:45	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/31/19 12:23	04/01/19 18:45	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/31/19 12:23	04/01/19 18:45	7440-43-9		
Calcium	<b>28.3</b>	mg/L	25.0	0.69	50	03/31/19 12:23	04/01/19 18:51	7440-70-2		
Chromium	<b>0.0048J</b>	mg/L	0.010	0.0016	1	03/31/19 12:23	04/01/19 18:45	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/31/19 12:23	04/01/19 18:45	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/31/19 12:23	04/01/19 18:45	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/31/19 12:23	04/01/19 18:45	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 18:45	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/31/19 12:23	04/01/19 18:45	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 18:45	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/31/19 12:23	04/01/19 18:45	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/31/19 12:23	04/01/19 18:45	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/31/19 12:23	04/01/19 18:45	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.00013J</b>	mg/L	0.00050	0.000036	1	04/02/19 08:27	04/02/19 14:24	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>148</b>	mg/L	25.0	10.0	1		03/28/19 20:12			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.7</b>	mg/L	0.25	0.024	1		04/02/19 21:17	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 21:17	16984-48-8		
Sulfate	<b>2.1</b>	mg/L	1.0	0.017	1		04/02/19 21:17	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells

Pace Project No.: 2616596

QC Batch: 25347 Analysis Method: EPA 7470A  
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
Associated Lab Samples: 2616596001, 2616596002, 2616596003, 2616596004

METHOD BLANK: 114228 Matrix: Water  
Associated Lab Samples: 2616596001, 2616596002, 2616596003, 2616596004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	04/02/19 15:07	

LABORATORY CONTROL SAMPLE: 114229

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0027	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 114230 114231

Parameter	Units	114230		114231		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2616596001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury	mg/L	0.00017J	0.0025	0.0025	0.0025	95	98	75-125	4	20	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells  
Pace Project No.: 2616596

QC Batch: 25446 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2616596001, 2616596002, 2616596003, 2616596004

METHOD BLANK: 114744 Matrix: Water  
Associated Lab Samples: 2616596001, 2616596002, 2616596003, 2616596004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	04/01/19 17:59	
Arsenic	mg/L	ND	0.0050	0.00057	04/01/19 17:59	
Barium	mg/L	ND	0.010	0.00078	04/01/19 17:59	
Beryllium	mg/L	ND	0.0030	0.000050	04/01/19 17:59	
Boron	mg/L	ND	0.040	0.0039	04/01/19 17:59	
Cadmium	mg/L	ND	0.0010	0.000093	04/01/19 17:59	
Calcium	mg/L	ND	0.50	0.014	04/01/19 17:59	
Chromium	mg/L	ND	0.010	0.0016	04/01/19 17:59	
Cobalt	mg/L	ND	0.010	0.00052	04/01/19 17:59	
Copper	mg/L	ND	0.025	0.0013	04/01/19 17:59	
Lead	mg/L	ND	0.0050	0.00027	04/01/19 17:59	
Nickel	mg/L	ND	0.010	0.00095	04/01/19 17:59	
Selenium	mg/L	ND	0.010	0.0014	04/01/19 17:59	
Silver	mg/L	ND	0.010	0.00095	04/01/19 17:59	
Thallium	mg/L	ND	0.0010	0.00014	04/01/19 17:59	
Vanadium	mg/L	ND	0.010	0.0019	04/01/19 17:59	
Zinc	mg/L	ND	0.010	0.0021	04/01/19 17:59	

LABORATORY CONTROL SAMPLE: 114745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.096	96	80-120	
Arsenic	mg/L	0.1	0.094	94	80-120	
Barium	mg/L	0.1	0.095	95	80-120	
Beryllium	mg/L	0.1	0.094	94	80-120	
Boron	mg/L	1	0.94	94	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Calcium	mg/L	1	0.94	94	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.096	96	80-120	
Copper	mg/L	0.1	0.098	98	80-120	
Lead	mg/L	0.1	0.094	94	80-120	
Nickel	mg/L	0.1	0.098	98	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	
Vanadium	mg/L	0.1	0.10	102	80-120	
Zinc	mg/L	0.1	0.097	97	80-120	

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**QUALITY CONTROL DATA**

Project: Plant Bowen Cells

Pace Project No.: 2616596

Parameter	Units	2616602001		114746		114747		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	ND	0.1	0.1	0.098	0.099	97	99	75-125	1	20			
Arsenic	mg/L	ND	0.1	0.1	0.098	0.097	97	96	75-125	1	20			
Barium	mg/L	0.021	0.1	0.1	0.12	0.12	94	96	75-125	1	20			
Beryllium	mg/L	ND	0.1	0.1	0.095	0.098	95	98	75-125	3	20			
Boron	mg/L	ND	1	1	0.97	0.98	96	98	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	1	20			
Calcium	mg/L	35.6	1	1	37.5	35.0	185	-62	75-125	7	20	M6		
Chromium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20			
Cobalt	mg/L	ND	0.1	0.1	0.095	0.097	94	97	75-125	3	20			
Copper	mg/L	ND	0.1	0.1	0.097	0.099	97	98	75-125	1	20			
Lead	mg/L	0.00047J	0.1	0.1	0.095	0.096	94	96	75-125	1	20			
Nickel	mg/L	0.0011J	0.1	0.1	0.095	0.097	94	96	75-125	2	20			
Selenium	mg/L	ND	0.1	0.1	0.10	0.096	101	96	75-125	5	20			
Silver	mg/L	ND	0.1	0.1	0.098	0.099	98	99	75-125	1	20			
Thallium	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	2	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.099	99	99	75-125	0	20			
Zinc	mg/L	0.0039J	0.1	0.1	0.098	0.099	94	95	75-125	1	20			

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**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells

Pace Project No.: 2616596

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QC Batch:	25323	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids

Associated Lab Samples: 2616596001, 2616596002, 2616596003, 2616596004

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LABORATORY CONTROL SAMPLE: 114103

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	423	106	84-108	

---

SAMPLE DUPLICATE: 114104

Parameter	Units	2616508001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	60.0	64.0	6	10	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells  
Pace Project No.: 2616596

QC Batch: 25467 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2616596001, 2616596002, 2616596003, 2616596004

METHOD BLANK: 115031 Matrix: Water  
Associated Lab Samples: 2616596001, 2616596002, 2616596003, 2616596004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.024	04/02/19 18:49	
Fluoride	mg/L	ND	0.30	0.029	04/02/19 18:49	
Sulfate	mg/L	0.045J	1.0	0.017	04/02/19 18:49	

LABORATORY CONTROL SAMPLE: 115032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.2	102	90-110	
Fluoride	mg/L	10	10.2	102	90-110	
Sulfate	mg/L	10	10.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 115033 115034

Parameter	Units	2616596001		2616596002		115033		115034		% Rec Limits	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS % Rec	MSD % Rec	MS % Rec	MSD % Rec			
Chloride	mg/L	3.5	10	10	10	13.6	13.6	101	101	90-110	0	15
Fluoride	mg/L	ND	10	10	10	10.1	10.1	101	101	90-110	0	15
Sulfate	mg/L	15.5	10	10	10	24.2	24.2	87	86	90-110	0	15 M1

MATRIX SPIKE SAMPLE: 115035

Parameter	Units	2616596002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	0.88	10	10.8	99	90-110	
Fluoride	mg/L	ND	10	10.3	103	90-110	
Sulfate	mg/L	0.30J	10	10	97	90-110	

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## QUALIFIERS

Project: Plant Bowen Cells

Pace Project No.: 2616596

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen Cells

Pace Project No.: 2616596

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2616596001	GWC-13	EPA 3005A	25446	EPA 6020B	25472
2616596002	GWC-12	EPA 3005A	25446	EPA 6020B	25472
2616596003	GWC-11	EPA 3005A	25446	EPA 6020B	25472
2616596004	GWC-11R	EPA 3005A	25446	EPA 6020B	25472
2616596001	GWC-13	EPA 7470A	25347	EPA 7470A	25359
2616596002	GWC-12	EPA 7470A	25347	EPA 7470A	25359
2616596003	GWC-11	EPA 7470A	25347	EPA 7470A	25359
2616596004	GWC-11R	EPA 7470A	25347	EPA 7470A	25359
2616596001	GWC-13	SM 2540C	25323		
2616596002	GWC-12	SM 2540C	25323		
2616596003	GWC-11	SM 2540C	25323		
2616596004	GWC-11R	SM 2540C	25323		
2616596001	GWC-13	EPA 300.0	25467		
2616596002	GWC-12	EPA 300.0	25467		
2616596003	GWC-11	EPA 300.0	25467		
2616596004	GWC-11R	EPA 300.0	25467		

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b>		<b>Section B</b>		<b>Section C</b>	
<b>Required Client Information:</b>		<b>Required Project Information:</b>		<b>Invoice Information:</b>	
Company: Georgia Power - Coal Combustion Residuals	Report To: Joyu Abraham	Attention:	Company Name:	Regulatory Agency:	
Address: 2460 Marner Road	Copy To:	Address:	Address:	State / Location:	
Atlanta, GA 30339		Atlanta, GA 30339	Purchase Order #:	GA	
Email: j.abraham@southernco.com	Project Name: Plant Bowen Cells	Pace Project Manager: betsy.mcdaniel@pacelabs.com.	Project #:	Pace Profile #: 317.5	
Phone: (404)506-7239					
Requested Due Date:					

ITEM #	MATRIX	CODE	COLLECTED	SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	PRESERVATIVES	ANALYSES TEST	Y/N	Requested Analysis Filtered (Y/N)	TEMP in C	Received on	Custody	Sealed	Cooler	Samples	
																	START DATE
1	Water	WT		WT	WT	2	Unpreserved	X	X								
2	Water	WT		WT	WT	2	Unpreserved	X	X								
3	Water	WT		WT	WT	2	Unpreserved	X	X								
4	Water	WT		WT	WT	2	Unpreserved	X	X								
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

<b>ADDITIONAL COMMENTS</b>	<b>RELINQUISHED BY / AFFILIATION</b>	<b>DATE</b>	<b>TIME</b>	<b>ACCEPTED BY / AFFILIATION</b>	<b>DATE</b>	<b>TIME</b>	<b>SAMPLE CONDITIONS</b>
	Linda Mardis 2/26	3/26	10:23	Pace	3/26	10:23	
				Charles Hunt	3/26	11:45	

**WO# : 2616596**

2616596

Page 16 of 17

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: Robert Mull  
 SIGNATURE of SAMPLER: *Robert Mull*  
 DATE Signed: 3/23/19





Client Name: GA Power

PM: BM

Due Date: 04/02/19

CLIENT: GAPower-CCR

Proj Name:

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other

Tracking #: \_\_\_\_\_ Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used: 082  
Cooler Temperature: 1.3°C

Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Date and initials of person examining contents: 5/26/19024

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution:

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Field Data Required? Y / N

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

April 04, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

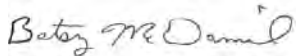
RE: Project: Plant Bowen Cells - State List  
Pace Project No.: 2616600

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 26, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen Cells - State List

Pace Project No.: 2616600

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen Cells - State List

Pace Project No.: 2616600

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2616600001	GWC-13RZ	Water	03/22/19 09:06	03/26/19 11:45
2616600002	GWC-10R	Water	03/22/19 09:56	03/26/19 11:45
2616600003	GWC-10	Water	03/22/19 11:40	03/26/19 11:45
2616600004	GWC-14Z	Water	03/22/19 15:11	03/26/19 11:45
2616600005	GWC-15Z	Water	03/22/19 16:20	03/26/19 11:45
2616600006	Dup-3	Water	03/22/19 00:00	03/26/19 11:45
2616600007	FBL032219	Water	03/22/19 16:40	03/26/19 11:45
2616600008	EQBL032219	Water	03/22/19 16:44	03/26/19 11:45

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen Cells - State List

Pace Project No.: 2616600

Lab ID	Sample ID	Method	Analysts	Analytes Reported
261660001	GWC-13RZ	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
261660002	GWC-10R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
261660003	GWC-10	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
261660004	GWC-14Z	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
261660005	GWC-15Z	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
261660006	Dup-3	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
261660007	FBL032219	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
261660008	EQBL032219	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells - State List  
Pace Project No.: 2616600

Sample: GWC-13RZ		Lab ID: 2616600001		Collected: 03/22/19 09:06		Received: 03/26/19 11:45		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	<b>0.0014J</b>	mg/L	0.0030	0.00078	1	03/31/19 12:23	04/01/19 19:08	7440-36-0		
Arsenic	<b>0.00097J</b>	mg/L	0.0050	0.00057	1	03/31/19 12:23	04/01/19 19:08	7440-38-2		
Barium	<b>0.086</b>	mg/L	0.010	0.00078	1	03/31/19 12:23	04/01/19 19:08	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/31/19 12:23	04/01/19 19:08	7440-41-7		
Boron	<b>0.013J</b>	mg/L	0.040	0.0039	1	03/31/19 12:23	04/01/19 19:08	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/31/19 12:23	04/01/19 19:08	7440-43-9		
Calcium	<b>40.5</b>	mg/L	25.0	0.69	50	03/31/19 12:23	04/01/19 19:14	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/31/19 12:23	04/01/19 19:08	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/31/19 12:23	04/01/19 19:08	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/31/19 12:23	04/01/19 19:08	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/31/19 12:23	04/01/19 19:08	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 19:08	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/31/19 12:23	04/01/19 19:08	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 19:08	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/31/19 12:23	04/01/19 19:08	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/31/19 12:23	04/01/19 19:08	7440-62-2		
Zinc	<b>0.0048J</b>	mg/L	0.010	0.0021	1	03/31/19 12:23	04/01/19 19:08	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.00014J</b>	mg/L	0.00050	0.000036	1	04/02/19 08:27	04/02/19 14:31	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>249</b>	mg/L	25.0	10.0	1		03/28/19 20:11			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>7.4</b>	mg/L	0.25	0.024	1		04/02/19 21:39	16887-00-6		
Fluoride	<b>0.12J</b>	mg/L	0.30	0.029	1		04/02/19 21:39	16984-48-8		
Sulfate	<b>57.9</b>	mg/L	10.0	0.17	10		04/03/19 02:57	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells - State List  
Pace Project No.: 2616600

Sample: GWC-10R		Lab ID: 2616600002		Collected: 03/22/19 09:56		Received: 03/26/19 11:45		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/31/19 12:23	04/01/19 19:20	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/31/19 12:23	04/01/19 19:20	7440-38-2		
Barium	<b>0.022</b>	mg/L	0.010	0.00078	1	03/31/19 12:23	04/01/19 19:20	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/31/19 12:23	04/01/19 19:20	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/31/19 12:23	04/01/19 19:20	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/31/19 12:23	04/01/19 19:20	7440-43-9		
Calcium	<b>37.2</b>	mg/L	25.0	0.69	50	03/31/19 12:23	04/01/19 19:25	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/31/19 12:23	04/01/19 19:20	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/31/19 12:23	04/01/19 19:20	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/31/19 12:23	04/01/19 19:20	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/31/19 12:23	04/01/19 19:20	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 19:20	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/31/19 12:23	04/01/19 19:20	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 19:20	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/31/19 12:23	04/01/19 19:20	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/31/19 12:23	04/01/19 19:20	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/31/19 12:23	04/01/19 19:20	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.00014J</b>	mg/L	0.00050	0.000036	1	04/02/19 08:27	04/02/19 14:33	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>140</b>	mg/L	25.0	10.0	1		03/28/19 20:11			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.8</b>	mg/L	0.25	0.024	1		04/02/19 22:00	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 22:00	16984-48-8		
Sulfate	<b>1.3</b>	mg/L	1.0	0.017	1		04/02/19 22:00	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells - State List  
Pace Project No.: 2616600

Sample: GWC-10		Lab ID: 2616600003		Collected: 03/22/19 11:40		Received: 03/26/19 11:45		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/31/19 12:23	04/01/19 19:31	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/31/19 12:23	04/01/19 19:31	7440-38-2		
Barium	<b>0.024</b>	mg/L	0.010	0.00078	1	03/31/19 12:23	04/01/19 19:31	7440-39-3		
Beryllium	<b>0.00018J</b>	mg/L	0.0030	0.000050	1	03/31/19 12:23	04/01/19 19:31	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/31/19 12:23	04/01/19 19:31	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/31/19 12:23	04/01/19 19:31	7440-43-9		
Calcium	<b>15.4J</b>	mg/L	25.0	0.69	50	03/31/19 12:23	04/01/19 19:37	7440-70-2	D3	
Chromium	ND	mg/L	0.010	0.0016	1	03/31/19 12:23	04/01/19 19:31	7440-47-3		
Cobalt	<b>0.0011J</b>	mg/L	0.010	0.00052	1	03/31/19 12:23	04/01/19 19:31	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/31/19 12:23	04/01/19 19:31	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/31/19 12:23	04/01/19 19:31	7439-92-1		
Nickel	<b>0.0022J</b>	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 19:31	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/31/19 12:23	04/01/19 19:31	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 19:31	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/31/19 12:23	04/01/19 19:31	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/31/19 12:23	04/01/19 19:31	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/31/19 12:23	04/01/19 19:31	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.00014J</b>	mg/L	0.00050	0.000036	1	04/02/19 08:27	04/02/19 14:36	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>95.0</b>	mg/L	25.0	10.0	1		03/28/19 20:11			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.2</b>	mg/L	0.25	0.024	1		04/02/19 22:21	16887-00-6		
Fluoride	<b>0.045J</b>	mg/L	0.30	0.029	1		04/02/19 22:21	16984-48-8		
Sulfate	<b>1.6</b>	mg/L	1.0	0.017	1		04/02/19 22:21	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells - State List  
Pace Project No.: 2616600

Sample: GWC-14Z		Lab ID: 2616600004		Collected: 03/22/19 15:11		Received: 03/26/19 11:45		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/31/19 12:23	04/01/19 19:42	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/31/19 12:23	04/01/19 19:42	7440-38-2		
Barium	<b>0.014</b>	mg/L	0.010	0.00078	1	03/31/19 12:23	04/01/19 19:42	7440-39-3		
Beryllium	<b>0.000094J</b>	mg/L	0.0030	0.000050	1	03/31/19 12:23	04/01/19 19:42	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/31/19 12:23	04/01/19 19:42	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/31/19 12:23	04/01/19 19:42	7440-43-9		
Calcium	<b>16.7J</b>	mg/L	25.0	0.69	50	03/31/19 12:23	04/01/19 19:48	7440-70-2	D3	
Chromium	ND	mg/L	0.010	0.0016	1	03/31/19 12:23	04/01/19 19:42	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/31/19 12:23	04/01/19 19:42	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/31/19 12:23	04/01/19 19:42	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/31/19 12:23	04/01/19 19:42	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 19:42	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/31/19 12:23	04/01/19 19:42	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 19:42	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/31/19 12:23	04/01/19 19:42	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/31/19 12:23	04/01/19 19:42	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/31/19 12:23	04/01/19 19:42	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.00014J</b>	mg/L	0.00050	0.000036	1	04/02/19 08:27	04/02/19 14:38	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>104</b>	mg/L	25.0	10.0	1		03/28/19 20:11			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>3.7</b>	mg/L	0.25	0.024	1		04/02/19 22:42	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 22:42	16984-48-8		
Sulfate	<b>6.2</b>	mg/L	1.0	0.017	1		04/02/19 22:42	14808-79-8		

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells - State List

Pace Project No.: 2616600

Sample: <b>GWC-15Z</b>		Lab ID: <b>2616600005</b>		Collected: 03/22/19 16:20		Received: 03/26/19 11:45		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/31/19 12:23	04/01/19 19:54	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/31/19 12:23	04/01/19 19:54	7440-38-2		
Barium	<b>0.014</b>	mg/L	0.010	0.00078	1	03/31/19 12:23	04/01/19 19:54	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/31/19 12:23	04/01/19 19:54	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/31/19 12:23	04/01/19 19:54	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/31/19 12:23	04/01/19 19:54	7440-43-9		
Calcium	<b>21.3J</b>	mg/L	25.0	0.69	50	03/31/19 12:23	04/01/19 20:00	7440-70-2	D3	
Chromium	ND	mg/L	0.010	0.0016	1	03/31/19 12:23	04/01/19 19:54	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/31/19 12:23	04/01/19 19:54	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/31/19 12:23	04/01/19 19:54	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/31/19 12:23	04/01/19 19:54	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 19:54	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/31/19 12:23	04/01/19 19:54	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 19:54	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/31/19 12:23	04/01/19 19:54	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/31/19 12:23	04/01/19 19:54	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/31/19 12:23	04/01/19 19:54	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.00012J</b>	mg/L	0.00050	0.000036	1	04/02/19 08:27	04/02/19 14:41	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>116</b>	mg/L	25.0	10.0	1		03/28/19 20:11			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.2</b>	mg/L	0.25	0.024	1		04/03/19 00:28	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		04/03/19 00:28	16984-48-8		
Sulfate	<b>2.1</b>	mg/L	1.0	0.017	1		04/03/19 00:28	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells - State List

Pace Project No.: 2616600

Sample: Dup-3		Lab ID: 2616600006		Collected: 03/22/19 00:00		Received: 03/26/19 11:45		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/31/19 12:23	04/01/19 20:17	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/31/19 12:23	04/01/19 20:17	7440-38-2		
Barium	<b>0.015</b>	mg/L	0.010	0.00078	1	03/31/19 12:23	04/01/19 20:17	7440-39-3		
Beryllium	<b>0.000096J</b>	mg/L	0.0030	0.000050	1	03/31/19 12:23	04/01/19 20:17	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/31/19 12:23	04/01/19 20:17	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/31/19 12:23	04/01/19 20:17	7440-43-9		
Calcium	<b>16.3J</b>	mg/L	25.0	0.69	50	03/31/19 12:23	04/01/19 20:23	7440-70-2	D3	
Chromium	ND	mg/L	0.010	0.0016	1	03/31/19 12:23	04/01/19 20:17	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/31/19 12:23	04/01/19 20:17	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/31/19 12:23	04/01/19 20:17	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/31/19 12:23	04/01/19 20:17	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 20:17	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/31/19 12:23	04/01/19 20:17	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 20:17	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/31/19 12:23	04/01/19 20:17	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/31/19 12:23	04/01/19 20:17	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/31/19 12:23	04/01/19 20:17	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.00013J</b>	mg/L	0.00050	0.000036	1	04/02/19 08:27	04/02/19 14:43	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>95.0</b>	mg/L	25.0	10.0	1		03/28/19 20:11			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>3.7</b>	mg/L	0.25	0.024	1		04/03/19 00:50	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		04/03/19 00:50	16984-48-8		
Sulfate	<b>6.1</b>	mg/L	1.0	0.017	1		04/03/19 00:50	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells - State List

Pace Project No.: 2616600

Sample: <b>FBL032219</b>		Lab ID: <b>2616600007</b>		Collected: 03/22/19 16:40		Received: 03/26/19 11:45		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/31/19 12:23	04/01/19 20:28	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/31/19 12:23	04/01/19 20:28	7440-38-2		
Barium	ND	mg/L	0.010	0.00078	1	03/31/19 12:23	04/01/19 20:28	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/31/19 12:23	04/01/19 20:28	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/31/19 12:23	04/01/19 20:28	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/31/19 12:23	04/01/19 20:28	7440-43-9		
Calcium	ND	mg/L	0.50	0.014	1	03/31/19 12:23	04/01/19 20:28	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/31/19 12:23	04/01/19 20:28	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/31/19 12:23	04/01/19 20:28	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/31/19 12:23	04/01/19 20:28	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/31/19 12:23	04/01/19 20:28	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 20:28	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/31/19 12:23	04/01/19 20:28	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 20:28	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/31/19 12:23	04/01/19 20:28	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/31/19 12:23	04/01/19 20:28	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/31/19 12:23	04/01/19 20:28	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.00012J</b>	mg/L	0.00050	0.000036	1	04/02/19 08:27	04/02/19 14:45	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	ND	mg/L	25.0	10.0	1		03/28/19 20:11			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>0.10J</b>	mg/L	0.25	0.024	1		04/03/19 01:32	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		04/03/19 01:32	16984-48-8		
Sulfate	<b>0.065J</b>	mg/L	1.0	0.017	1		04/03/19 01:32	14808-79-8	B	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells - State List  
Pace Project No.: 2616600

Sample: EQBL032219      Lab ID: 2616600008      Collected: 03/22/19 16:44      Received: 03/26/19 11:45      Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b> Analytical Method: EPA 6020B      Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00078	1	03/31/19 12:23	04/01/19 20:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/31/19 12:23	04/01/19 20:34	7440-38-2	
Barium	ND	mg/L	0.010	0.00078	1	03/31/19 12:23	04/01/19 20:34	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/31/19 12:23	04/01/19 20:34	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/31/19 12:23	04/01/19 20:34	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/31/19 12:23	04/01/19 20:34	7440-43-9	
Calcium	ND	mg/L	0.50	0.014	1	03/31/19 12:23	04/01/19 20:34	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/31/19 12:23	04/01/19 20:34	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/31/19 12:23	04/01/19 20:34	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/31/19 12:23	04/01/19 20:34	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/31/19 12:23	04/01/19 20:34	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 20:34	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/31/19 12:23	04/01/19 20:34	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 20:34	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/31/19 12:23	04/01/19 20:34	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/31/19 12:23	04/01/19 20:34	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/31/19 12:23	04/01/19 20:34	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Mercury	<b>0.00011J</b>	mg/L	0.00050	0.000036	1	04/02/19 08:27	04/02/19 14:48	7439-97-6	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C									
Total Dissolved Solids	ND	mg/L	25.0	10.0	1		03/28/19 20:12		
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Chloride	<b>0.065J</b>	mg/L	0.25	0.024	1		04/03/19 01:53	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		04/03/19 01:53	16984-48-8	
Sulfate	<b>0.029J</b>	mg/L	1.0	0.017	1		04/03/19 01:53	14808-79-8	B

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells - State List  
Pace Project No.: 2616600

QC Batch: 25347 Analysis Method: EPA 7470A  
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
Associated Lab Samples: 2616600001, 2616600002, 2616600003, 2616600004, 2616600005, 2616600006, 2616600007, 2616600008

METHOD BLANK: 114228 Matrix: Water  
Associated Lab Samples: 2616600001, 2616600002, 2616600003, 2616600004, 2616600005, 2616600006, 2616600007, 2616600008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	04/02/19 15:07	

LABORATORY CONTROL SAMPLE: 114229

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0027	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 114230 114231

Parameter	Units	2616596001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.00017J	0.0025	0.0025	0.0025	0.0026	95	98	75-125	4	20	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells - State List

Pace Project No.: 2616600

QC Batch: 25446

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020B MET

Associated Lab Samples: 2616600001, 2616600002, 2616600003, 2616600004, 2616600005, 2616600006, 2616600007, 2616600008

METHOD BLANK: 114744

Matrix: Water

Associated Lab Samples: 2616600001, 2616600002, 2616600003, 2616600004, 2616600005, 2616600006, 2616600007, 2616600008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	04/01/19 17:59	
Arsenic	mg/L	ND	0.0050	0.00057	04/01/19 17:59	
Barium	mg/L	ND	0.010	0.00078	04/01/19 17:59	
Beryllium	mg/L	ND	0.0030	0.000050	04/01/19 17:59	
Boron	mg/L	ND	0.040	0.0039	04/01/19 17:59	
Cadmium	mg/L	ND	0.0010	0.000093	04/01/19 17:59	
Calcium	mg/L	ND	0.50	0.014	04/01/19 17:59	
Chromium	mg/L	ND	0.010	0.0016	04/01/19 17:59	
Cobalt	mg/L	ND	0.010	0.00052	04/01/19 17:59	
Copper	mg/L	ND	0.025	0.0013	04/01/19 17:59	
Lead	mg/L	ND	0.0050	0.00027	04/01/19 17:59	
Nickel	mg/L	ND	0.010	0.00095	04/01/19 17:59	
Selenium	mg/L	ND	0.010	0.0014	04/01/19 17:59	
Silver	mg/L	ND	0.010	0.00095	04/01/19 17:59	
Thallium	mg/L	ND	0.0010	0.00014	04/01/19 17:59	
Vanadium	mg/L	ND	0.010	0.0019	04/01/19 17:59	
Zinc	mg/L	ND	0.010	0.0021	04/01/19 17:59	

LABORATORY CONTROL SAMPLE: 114745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.096	96	80-120	
Arsenic	mg/L	0.1	0.094	94	80-120	
Barium	mg/L	0.1	0.095	95	80-120	
Beryllium	mg/L	0.1	0.094	94	80-120	
Boron	mg/L	1	0.94	94	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Calcium	mg/L	1	0.94	94	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.096	96	80-120	
Copper	mg/L	0.1	0.098	98	80-120	
Lead	mg/L	0.1	0.094	94	80-120	
Nickel	mg/L	0.1	0.098	98	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	
Vanadium	mg/L	0.1	0.10	102	80-120	
Zinc	mg/L	0.1	0.097	97	80-120	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells - State List

Pace Project No.: 2616600

Parameter	Units	2616602001		114746		114747		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	ND	0.1	0.1	0.098	0.099	97	99	75-125	1	20			
Arsenic	mg/L	ND	0.1	0.1	0.098	0.097	97	96	75-125	1	20			
Barium	mg/L	0.021	0.1	0.1	0.12	0.12	94	96	75-125	1	20			
Beryllium	mg/L	ND	0.1	0.1	0.095	0.098	95	98	75-125	3	20			
Boron	mg/L	ND	1	1	0.97	0.98	96	98	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	1	20			
Calcium	mg/L	35.6	1	1	37.5	35.0	185	-62	75-125	7	20	M6		
Chromium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20			
Cobalt	mg/L	ND	0.1	0.1	0.095	0.097	94	97	75-125	3	20			
Copper	mg/L	ND	0.1	0.1	0.097	0.099	97	98	75-125	1	20			
Lead	mg/L	0.00047J	0.1	0.1	0.095	0.096	94	96	75-125	1	20			
Nickel	mg/L	0.0011J	0.1	0.1	0.095	0.097	94	96	75-125	2	20			
Selenium	mg/L	ND	0.1	0.1	0.10	0.096	101	96	75-125	5	20			
Silver	mg/L	ND	0.1	0.1	0.098	0.099	98	99	75-125	1	20			
Thallium	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	2	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.099	99	99	75-125	0	20			
Zinc	mg/L	0.0039J	0.1	0.1	0.098	0.099	94	95	75-125	1	20			

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**QUALITY CONTROL DATA**

Project: Plant Bowen Cells - State List  
Pace Project No.: 2616600

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QC Batch: 25323 Analysis Method: SM 2540C  
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids  
Associated Lab Samples: 2616600001, 2616600002, 2616600003, 2616600004, 2616600005, 2616600006, 2616600007, 2616600008

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LABORATORY CONTROL SAMPLE: 114103

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	423	106	84-108	

SAMPLE DUPLICATE: 114104

Parameter	Units	2616508001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	60.0	64.0	6	10	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells - State List  
Pace Project No.: 2616600

QC Batch: 25467 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2616600001, 2616600002, 2616600003, 2616600004, 2616600005, 2616600006, 2616600007, 2616600008

METHOD BLANK: 115031 Matrix: Water  
Associated Lab Samples: 2616600001, 2616600002, 2616600003, 2616600004, 2616600005, 2616600006, 2616600007, 2616600008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.024	04/02/19 18:49	
Fluoride	mg/L	ND	0.30	0.029	04/02/19 18:49	
Sulfate	mg/L	0.045J	1.0	0.017	04/02/19 18:49	

LABORATORY CONTROL SAMPLE: 115032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.2	102	90-110	
Fluoride	mg/L	10	10.2	102	90-110	
Sulfate	mg/L	10	10.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 115033 115034

Parameter	Units	2616596001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.5	10	10	13.6	13.6	101	101	90-110	0	15	
Fluoride	mg/L	ND	10	10	10.1	10.1	101	101	90-110	0	15	
Sulfate	mg/L	15.5	10	10	24.2	24.2	87	86	90-110	0	15 M1	

MATRIX SPIKE SAMPLE: 115035

Parameter	Units	2616596002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	0.88	10	10.8	99	90-110	
Fluoride	mg/L	ND	10	10.3	103	90-110	
Sulfate	mg/L	0.30J	10	10	97	90-110	

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## QUALIFIERS

Project: Plant Bowen Cells - State List

Pace Project No.: 2616600

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen Cells - State List

Pace Project No.: 2616600

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
261660001	GWC-13RZ	EPA 3005A	25446	EPA 6020B	25472
261660002	GWC-10R	EPA 3005A	25446	EPA 6020B	25472
261660003	GWC-10	EPA 3005A	25446	EPA 6020B	25472
261660004	GWC-14Z	EPA 3005A	25446	EPA 6020B	25472
261660005	GWC-15Z	EPA 3005A	25446	EPA 6020B	25472
261660006	Dup-3	EPA 3005A	25446	EPA 6020B	25472
261660007	FBL032219	EPA 3005A	25446	EPA 6020B	25472
261660008	EQBL032219	EPA 3005A	25446	EPA 6020B	25472
261660001	GWC-13RZ	EPA 7470A	25347	EPA 7470A	25359
261660002	GWC-10R	EPA 7470A	25347	EPA 7470A	25359
261660003	GWC-10	EPA 7470A	25347	EPA 7470A	25359
261660004	GWC-14Z	EPA 7470A	25347	EPA 7470A	25359
261660005	GWC-15Z	EPA 7470A	25347	EPA 7470A	25359
261660006	Dup-3	EPA 7470A	25347	EPA 7470A	25359
261660007	FBL032219	EPA 7470A	25347	EPA 7470A	25359
261660008	EQBL032219	EPA 7470A	25347	EPA 7470A	25359
261660001	GWC-13RZ	SM 2540C	25323		
261660002	GWC-10R	SM 2540C	25323		
261660003	GWC-10	SM 2540C	25323		
261660004	GWC-14Z	SM 2540C	25323		
261660005	GWC-15Z	SM 2540C	25323		
261660006	Dup-3	SM 2540C	25323		
261660007	FBL032219	SM 2540C	25323		
261660008	EQBL032219	SM 2540C	25323		
261660001	GWC-13RZ	EPA 300.0	25467		
261660002	GWC-10R	EPA 300.0	25467		
261660003	GWC-10	EPA 300.0	25467		
261660004	GWC-14Z	EPA 300.0	25467		
261660005	GWC-15Z	EPA 300.0	25467		
261660006	Dup-3	EPA 300.0	25467		
261660007	FBL032219	EPA 300.0	25467		
261660008	EQBL032219	EPA 300.0	25467		

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**Section A** Required Client Information:  
 Company: Georgia Power - Coal Combustion Residuals  
 Address: 2480 Maner Road, Atlanta, GA 30339  
 Email: jabraham@southemco.com  
 Phone: (404)506-7239  
 Requested Due Date:

**Section B** Required Project Information:  
 Report To: Jaju Abraham  
 Copy To: Wood Environmental  
 Purchase Order #: SCS10348606  
 Project Name: Plant Bowen Cells - State List  
 Project #:

**Section C** Invoice Information:  
 Attention: sccservices@southemco.com  
 Company Name: Pace Analytical  
 Address:  
 Pace Quote:  
 Pace Project Manager: betsy.mcdaniel@paceanalytical.com  
 Pace Profile #: 317.5

Page: 1 of 1  
 Regulatory Agency: GA  
 State / Location: GA

ITEM #	MATRIX CODE Dinking Water DW Water WW Waste Water P Product SP Sewage SL Oil OL Wipe WIP Air AR Other OT Tissue TS	MATRIX TYPE (see valid codes to left)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analyses Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
			START DATE TIME	END DATE TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			
1	GWL-13BZ		3/21/19 0906			2									X		
2	GWL-10R		3/22/19 0956			2									X		
3	GWL-10		3/22/19 1140			2									X		
4	GWL-14Z		3/22/19 1511			2									X		
5	GWL-15Z		3/22/19 1620			2									X		
6	DUP-3		3/22/19			2									X		
7	FIBL032219		3/22/19 1640			2									X		
8	EABL032219		3/22/19 1644			2									X		
9																	
10																	
11																	
12																	

RELEASING BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Received on	Temp in C	Lea (Y/N)	Custody (Y/N)	Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
Cindy Mardis	3/26	10:23	Robert M. Levin	3/26	10:23	1.3							
Cells 1-7			Charles Foster	3/26	11:45								

**W0# : 2616600**

2616600



Sample Condition Upon Re

WO#: 2616600

Client Name: GA Power

PM: BM

Due Date: 04/02/19

CLIENT: GAPower-CCR

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Or

Tracking #: \_\_\_\_\_

Proj. Due Date:  
Proj. Name:

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used 082 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 1.3°C

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 5/26/19 CDH

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix:	<u>W</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

April 04, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

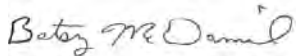
RE: Project: Plant Bowen Cells  
Pace Project No.: 2616602

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 26, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen Cells

Pace Project No.: 2616602

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen Cells

Pace Project No.: 2616602

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
2616602001	GWC-15R	Water	03/25/19 12:24	03/26/19 11:45

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen Cells

Pace Project No.: 2616602

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2616602001	GWC-15R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells  
Pace Project No.: 2616602

Sample: <b>GWC-15R</b>		Lab ID: <b>2616602001</b>		Collected: 03/25/19 12:24		Received: 03/26/19 11:45		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00078	1	03/31/19 12:23	04/01/19 20:40	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/31/19 12:23	04/01/19 20:40	7440-38-2	
Barium	<b>0.021</b>	mg/L	0.010	0.00078	1	03/31/19 12:23	04/01/19 20:40	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/31/19 12:23	04/01/19 20:40	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/31/19 12:23	04/01/19 20:40	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/31/19 12:23	04/01/19 20:40	7440-43-9	
Calcium	<b>35.6</b>	mg/L	25.0	0.69	50	03/31/19 12:23	04/01/19 20:45	7440-70-2	M6
Chromium	ND	mg/L	0.010	0.0016	1	03/31/19 12:23	04/01/19 20:40	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/31/19 12:23	04/01/19 20:40	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/31/19 12:23	04/01/19 20:40	7440-50-8	
Lead	<b>0.00047J</b>	mg/L	0.0050	0.00027	1	03/31/19 12:23	04/01/19 20:40	7439-92-1	
Nickel	<b>0.0011J</b>	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 20:40	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/31/19 12:23	04/01/19 20:40	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/31/19 12:23	04/01/19 20:40	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/31/19 12:23	04/01/19 20:40	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/31/19 12:23	04/01/19 20:40	7440-62-2	
Zinc	<b>0.0039J</b>	mg/L	0.010	0.0021	1	03/31/19 12:23	04/01/19 20:40	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	<b>0.00011J</b>	mg/L	0.00050	0.000036	1	04/02/19 08:27	04/02/19 14:50	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>167</b>	mg/L	25.0	10.0	1		03/28/19 20:12		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>1.9</b>	mg/L	0.25	0.024	1		04/03/19 02:14	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		04/03/19 02:14	16984-48-8	
Sulfate	<b>11.2</b>	mg/L	1.0	0.017	1		04/03/19 02:14	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells  
Pace Project No.: 2616602

QC Batch: 25347 Analysis Method: EPA 7470A  
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
Associated Lab Samples: 2616602001

METHOD BLANK: 114228 Matrix: Water  
Associated Lab Samples: 2616602001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	04/02/19 15:07	

LABORATORY CONTROL SAMPLE: 114229

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0027	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 114230 114231

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		2616596001 Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Mercury	mg/L	0.00017J	0.0025	0.0025	0.0025	0.0026	95	98	75-125	4	20		

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells  
Pace Project No.: 2616602

QC Batch: 25446 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2616602001

METHOD BLANK: 114744 Matrix: Water  
Associated Lab Samples: 2616602001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	04/01/19 17:59	
Arsenic	mg/L	ND	0.0050	0.00057	04/01/19 17:59	
Barium	mg/L	ND	0.010	0.00078	04/01/19 17:59	
Beryllium	mg/L	ND	0.0030	0.000050	04/01/19 17:59	
Boron	mg/L	ND	0.040	0.0039	04/01/19 17:59	
Cadmium	mg/L	ND	0.0010	0.000093	04/01/19 17:59	
Calcium	mg/L	ND	0.50	0.014	04/01/19 17:59	
Chromium	mg/L	ND	0.010	0.0016	04/01/19 17:59	
Cobalt	mg/L	ND	0.010	0.00052	04/01/19 17:59	
Copper	mg/L	ND	0.025	0.0013	04/01/19 17:59	
Lead	mg/L	ND	0.0050	0.00027	04/01/19 17:59	
Nickel	mg/L	ND	0.010	0.00095	04/01/19 17:59	
Selenium	mg/L	ND	0.010	0.0014	04/01/19 17:59	
Silver	mg/L	ND	0.010	0.00095	04/01/19 17:59	
Thallium	mg/L	ND	0.0010	0.00014	04/01/19 17:59	
Vanadium	mg/L	ND	0.010	0.0019	04/01/19 17:59	
Zinc	mg/L	ND	0.010	0.0021	04/01/19 17:59	

LABORATORY CONTROL SAMPLE: 114745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.096	96	80-120	
Arsenic	mg/L	0.1	0.094	94	80-120	
Barium	mg/L	0.1	0.095	95	80-120	
Beryllium	mg/L	0.1	0.094	94	80-120	
Boron	mg/L	1	0.94	94	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Calcium	mg/L	1	0.94	94	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.096	96	80-120	
Copper	mg/L	0.1	0.098	98	80-120	
Lead	mg/L	0.1	0.094	94	80-120	
Nickel	mg/L	0.1	0.098	98	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	
Vanadium	mg/L	0.1	0.10	102	80-120	
Zinc	mg/L	0.1	0.097	97	80-120	

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**QUALITY CONTROL DATA**

Project: Plant Bowen Cells

Pace Project No.: 2616602

Parameter	Units	2616602001		114746		114747		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	ND	0.1	0.1	0.098	0.099	97	99	75-125	1	20			
Arsenic	mg/L	ND	0.1	0.1	0.098	0.097	97	96	75-125	1	20			
Barium	mg/L	0.021	0.1	0.1	0.12	0.12	94	96	75-125	1	20			
Beryllium	mg/L	ND	0.1	0.1	0.095	0.098	95	98	75-125	3	20			
Boron	mg/L	ND	1	1	0.97	0.98	96	98	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	1	20			
Calcium	mg/L	35.6	1	1	37.5	35.0	185	-62	75-125	7	20	M6		
Chromium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20			
Cobalt	mg/L	ND	0.1	0.1	0.095	0.097	94	97	75-125	3	20			
Copper	mg/L	ND	0.1	0.1	0.097	0.099	97	98	75-125	1	20			
Lead	mg/L	0.00047J	0.1	0.1	0.095	0.096	94	96	75-125	1	20			
Nickel	mg/L	0.0011J	0.1	0.1	0.095	0.097	94	96	75-125	2	20			
Selenium	mg/L	ND	0.1	0.1	0.10	0.096	101	96	75-125	5	20			
Silver	mg/L	ND	0.1	0.1	0.098	0.099	98	99	75-125	1	20			
Thallium	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	2	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.099	99	99	75-125	0	20			
Zinc	mg/L	0.0039J	0.1	0.1	0.098	0.099	94	95	75-125	1	20			

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**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells

Pace Project No.: 2616602

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QC Batch:	25323	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	2616602001		

---

LABORATORY CONTROL SAMPLE: 114103

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	423	106	84-108	

---

SAMPLE DUPLICATE: 114104

Parameter	Units	2616508001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	60.0	64.0	6	10	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells  
Pace Project No.: 2616602

QC Batch: 25467 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2616602001

METHOD BLANK: 115031 Matrix: Water  
Associated Lab Samples: 2616602001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.024	04/02/19 18:49	
Fluoride	mg/L	ND	0.30	0.029	04/02/19 18:49	
Sulfate	mg/L	0.045J	1.0	0.017	04/02/19 18:49	

LABORATORY CONTROL SAMPLE: 115032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.2	102	90-110	
Fluoride	mg/L	10	10.2	102	90-110	
Sulfate	mg/L	10	10.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 115033 115034

Parameter	Units	2616596001		115034		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Chloride	mg/L	3.5	10	10	13.6	13.6	101	101	90-110	0	15		
Fluoride	mg/L	ND	10	10	10.1	10.1	101	101	90-110	0	15		
Sulfate	mg/L	15.5	10	10	24.2	24.2	87	86	90-110	0	15	M1	

MATRIX SPIKE SAMPLE: 115035

Parameter	Units	2616596002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	0.88	10	10.8	99	90-110	
Fluoride	mg/L	ND	10	10.3	103	90-110	
Sulfate	mg/L	0.30J	10	10	97	90-110	

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## QUALIFIERS

Project: Plant Bowen Cells

Pace Project No.: 2616602

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen Cells

Pace Project No.: 2616602

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2616602001	GWC-15R	EPA 3005A	25446	EPA 6020B	25472
2616602001	GWC-15R	EPA 7470A	25347	EPA 7470A	25359
2616602001	GWC-15R	SM 2540C	25323		
2616602001	GWC-15R	EPA 300.0	25467		

### REPORT OF LABORATORY ANALYSIS

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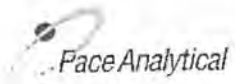
# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A		Section B		Section C		Page:   Of																																		
<b>Required Client Information:</b>		<b>Required Project Information:</b>		<b>Invoice Information:</b>																																				
Company: Georgia Power - Coal Combustion Residuals		Report To: Jaju Abraham		Attention:																																				
Address: 2480 Maner Road Atlanta, GA 30339		Copy To: Wood Environmental		Company Name:		Regulatory Agency																																		
Email: jabraham@southernco.com		Purchase Order #: SCS10348606		Address:		State / Location																																		
Phone: (404)506-7239 Fax:		Project Name: Plant Bowen Cells		Pace Quote:		GA																																		
Requested Due Date:		Project #:		Pace Project Manager: betsy.mcdaniel@pacelabs.com																																				
				Pace Profile #: 317																																				
ITEM #	MATRIX	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)										TEMP in C	Received on	Ice (Y/N)	Custody	Sealed	Cooler	Samples	Intact																
		START	END				Y/N	Analyses Test	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other									TDS, Cl, F, SO4	Metals 60207470 (CCR list)	As, III + Silicic Acids 6017292	Radium 226, 228	Mercury 2920	Residual Chlorine (Y/N)										
1	GWL-1512	3/25/11	3/25/11	UTC		2	X	X	X																															
2																																								
3																																								
4																																								
5																																								
6																																								
7																																								
8																																								
9																																								
10																																								
11																																								
12																																								
		Cindy Mando		DATE	3/26	TIME	10:33	ACCEPTED BY / AFFILIATION		Charles Fowler		DATE	3/26/11	TIME	10:23	SAMPLE CONDITIONS																								
		Linda Mando		DATE	3/26	TIME	10:33	RELINQUISHED BY / AFFILIATION		Charles Fowler		DATE	3/26/11	TIME	10:23	SAMPLE CONDITIONS																								
		SAMPLER NAME AND SIGNATURE		PRINT Name of SAMPLER: Robert MUI / Audrey Coction																																				
		SIGNATURE of SAMPLER: [Signature]		DATE Signed: 3/25/11																																				

**WO# : 2616602**

2616602



Sample Condition Upon Receipt

WO#: 2616602

Client Name: GA Power

PM: BM

Due Date: 04/02/19

CLIENT: GAPower-CCR

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other

Tracking #: \_\_\_\_\_

Proj. Due Date:  
Proj. Name:

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used 082

Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 1.3°C  
Temp should be above freezing to 6°C

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 3/26/19 [initials]

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

April 07, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

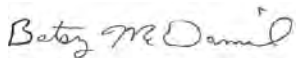
RE: Project: Plant Bowen Cells  
Pace Project No.: 2616671

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 27, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen Cells

Pace Project No.: 2616671

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen Cells

Pace Project No.: 2616671

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<b>Lab ID</b>	<b>Sample ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Received</b>
2616671001	GWC-8RR	Water	03/27/19 12:51	03/27/19 14:57

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen Cells

Pace Project No.: 2616671

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2616671001	GWC-8RR	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells

Pace Project No.: 2616671

Sample: GWC-8RR		Lab ID: 2616671001		Collected: 03/27/19 12:51		Received: 03/27/19 14:57		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00078	1	04/01/19 15:22	04/03/19 03:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	04/01/19 15:22	04/03/19 03:56	7440-38-2	
Barium	<b>0.014</b>	mg/L	0.010	0.00078	1	04/01/19 15:22	04/03/19 03:56	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	04/01/19 15:22	04/03/19 03:56	7440-41-7	
Boron	<b>0.0078J</b>	mg/L	0.040	0.0039	1	04/01/19 15:22	04/03/19 03:56	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	04/01/19 15:22	04/03/19 03:56	7440-43-9	
Calcium	<b>20.6J</b>	mg/L	25.0	0.69	50	04/01/19 15:22	04/03/19 04:02	7440-70-2	D3
Chromium	<b>0.0021J</b>	mg/L	0.010	0.0016	1	04/01/19 15:22	04/03/19 03:56	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	04/01/19 15:22	04/03/19 03:56	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	04/01/19 15:22	04/03/19 03:56	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	04/01/19 15:22	04/03/19 03:56	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	04/01/19 15:22	04/03/19 03:56	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	04/01/19 15:22	04/03/19 03:56	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	04/01/19 15:22	04/03/19 03:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	04/01/19 15:22	04/03/19 03:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	04/01/19 15:22	04/03/19 03:56	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	04/01/19 15:22	04/03/19 03:56	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	<b>0.000039J</b>	mg/L	0.00050	0.000036	1	04/03/19 07:45	04/03/19 12:20	7439-97-6	B
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>101</b>	mg/L	25.0	10.0	1		04/02/19 19:24		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>0.90</b>	mg/L	0.25	0.024	1		04/04/19 01:42	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		04/04/19 01:42	16984-48-8	
Sulfate	<b>1.5</b>	mg/L	1.0	0.017	1		04/04/19 01:42	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells  
Pace Project No.: 2616671

QC Batch: 25614 Analysis Method: EPA 7470A  
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
Associated Lab Samples: 2616671001

METHOD BLANK: 115427 Matrix: Water  
Associated Lab Samples: 2616671001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	0.000039J	0.00050	0.000036	04/03/19 12:11	

LABORATORY CONTROL SAMPLE: 115428

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 115429 115430

Parameter	Units	2616671001		115429		115430		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result				
Mercury	mg/L	0.000039J	0.0025	0.0025	0.0023	0.0023	90	90	75-125	0	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 115556 115557

Parameter	Units	2616482004		115556		115557		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result				
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0024	92	93	75-125	1	20

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells  
Pace Project No.: 2616671

QC Batch: 25536 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2616671001

METHOD BLANK: 115226 Matrix: Water  
Associated Lab Samples: 2616671001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	04/03/19 00:01	
Arsenic	mg/L	ND	0.0050	0.00057	04/03/19 00:01	
Barium	mg/L	ND	0.010	0.00078	04/03/19 00:01	
Beryllium	mg/L	ND	0.0030	0.000050	04/03/19 00:01	
Boron	mg/L	ND	0.040	0.0039	04/03/19 00:01	
Cadmium	mg/L	ND	0.0010	0.000093	04/03/19 00:01	
Calcium	mg/L	ND	0.50	0.014	04/03/19 00:01	
Chromium	mg/L	ND	0.010	0.0016	04/03/19 00:01	
Cobalt	mg/L	ND	0.010	0.00052	04/03/19 00:01	
Copper	mg/L	ND	0.025	0.0013	04/03/19 00:01	
Lead	mg/L	ND	0.0050	0.00027	04/03/19 00:01	
Nickel	mg/L	ND	0.010	0.00095	04/03/19 00:01	
Selenium	mg/L	ND	0.010	0.0014	04/03/19 00:01	
Silver	mg/L	ND	0.010	0.00095	04/03/19 00:01	
Thallium	mg/L	ND	0.0010	0.00014	04/03/19 00:01	
Vanadium	mg/L	ND	0.010	0.0019	04/03/19 00:01	
Zinc	mg/L	ND	0.010	0.0021	04/03/19 00:01	

LABORATORY CONTROL SAMPLE: 115227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.099	99	80-120	
Arsenic	mg/L	0.1	0.096	96	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	1	0.94	94	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Calcium	mg/L	1	0.95	95	80-120	
Chromium	mg/L	0.1	0.097	97	80-120	
Cobalt	mg/L	0.1	0.094	94	80-120	
Copper	mg/L	0.1	0.097	97	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Nickel	mg/L	0.1	0.093	93	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.097	97	80-120	
Thallium	mg/L	0.1	0.094	94	80-120	
Vanadium	mg/L	0.1	0.097	97	80-120	
Zinc	mg/L	0.1	0.095	95	80-120	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells

Pace Project No.: 2616671

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 115228		115229		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		2616666009 Result	MS Spike Conc.	MSD Spike Conc.									
Antimony	mg/L	ND	0.1	0.1	0.11	0.10	107	101	75-125	5	20		
Arsenic	mg/L	0.00058J	0.1	0.1	0.10	0.099	99	98	75-125	1	20		
Barium	mg/L	0.026	0.1	0.1	0.13	0.12	103	97	75-125	5	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.098	102	98	75-125	4	20		
Boron	mg/L	0.35	1	1	1.4	1.3	100	96	75-125	3	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	1	20		
Calcium	mg/L	2.4	1	1	3.5	3.3	110	90	75-125	6	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.099	100	98	75-125	1	20		
Cobalt	mg/L	ND	0.1	0.1	0.099	0.096	99	96	75-125	3	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	0	20		
Lead	mg/L	ND	0.1	0.1	0.099	0.095	99	95	75-125	3	20		
Nickel	mg/L	ND	0.1	0.1	0.099	0.096	99	96	75-125	3	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.097	100	96	75-125	3	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.098	101	98	75-125	2	20		
Thallium	mg/L	ND	0.1	0.1	0.099	0.095	99	95	75-125	4	20		
Vanadium	mg/L	0.0029J	0.1	0.1	0.11	0.10	102	98	75-125	4	20		
Zinc	mg/L	0.030	0.1	0.1	0.13	0.13	100	96	75-125	3	20		

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells

Pace Project No.: 2616671

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QC Batch: 25629	Analysis Method: SM 2540C
QC Batch Method: SM 2540C	Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 2616671001	

---

LABORATORY CONTROL SAMPLE: 115527

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	406	102	84-108	

---

SAMPLE DUPLICATE: 115528

Parameter	Units	2616666007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	292	305	4	10	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells  
Pace Project No.: 2616671

QC Batch: 25646 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2616671001

METHOD BLANK: 115682 Matrix: Water  
Associated Lab Samples: 2616671001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.024	04/03/19 12:12	
Fluoride	mg/L	ND	0.30	0.029	04/03/19 12:12	
Sulfate	mg/L	ND	1.0	0.017	04/03/19 12:12	

LABORATORY CONTROL SAMPLE: 115683

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.4	104	90-110	
Fluoride	mg/L	10	10.3	103	90-110	
Sulfate	mg/L	10	10.1	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 115684 115685

Parameter	Units	2616648001		115685		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec				
Chloride	mg/L	717	10	10	309	309	-4080	-4080	90-110	0	15	E,M1
Fluoride	mg/L	0.32	10	10	11.0	11.1	107	107	90-110	0	15	
Sulfate	mg/L	131	10	10	106	106	-248	-248	90-110	0	15	E,M1

MATRIX SPIKE SAMPLE: 115686

Parameter	Units	2616648002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	6470	10	1180	-53000	90-110	E,M1
Fluoride	mg/L	0.19J	10	1.9	17	90-110	M1
Sulfate	mg/L	ND	10	326	3260	90-110	E,M1

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## QUALIFIERS

Project: Plant Bowen Cells

Pace Project No.: 2616671

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: Plant Bowen Cells

Pace Project No.: 2616671

<b>Lab ID</b>	<b>Sample ID</b>	<b>QC Batch Method</b>	<b>QC Batch</b>	<b>Analytical Method</b>	<b>Analytical Batch</b>
2616671001	GWC-8RR	EPA 3005A	25536	EPA 6020B	25547
2616671001	GWC-8RR	EPA 7470A	25614	EPA 7470A	25682
2616671001	GWC-8RR	SM 2540C	25629		
2616671001	GWC-8RR	EPA 300.0	25646		

**REPORT OF LABORATORY ANALYSIS**

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Sample Condition Upon Receipt

WO#: 2616671

Client Name: Georgia Power

PM: BM

Due Date: 04/03/19

CLIENT: GAPower-CCR

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used 082

Type of Ice:  Wet  Blue  None

Samples on ice, cooling process has begun

Cooler Temperature 7.00

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 3/27/19 CR

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix:	W		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

May 14, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

RE: Project: Plant Bowen Landfill Cells  
Pace Project No.: 2618213

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on May 07, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen Landfill Cells

Pace Project No.: 2618213

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## SAMPLE SUMMARY

Project: Plant Bowen Landfill Cells

Pace Project No.: 2618213

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
2618213001	GWC-8Z	Water	05/06/19 14:35	05/07/19 08:55

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen Landfill Cells  
Pace Project No.: 2618213

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2618213001	GWC-8Z	EPA 6020B	CSW	17
		EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen Landfill Cells

Pace Project No.: 2618213

Sample: GWC-8Z		Lab ID: 2618213001		Collected: 05/06/19 14:35		Received: 05/07/19 08:55		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00078	1	05/09/19 13:10	05/09/19 19:43	7440-36-0	
Arsenic	<b>0.00063J</b>	mg/L	0.0050	0.00057	1	05/09/19 13:10	05/09/19 19:43	7440-38-2	
Barium	<b>0.017</b>	mg/L	0.010	0.00078	1	05/09/19 13:10	05/09/19 19:43	7440-39-3	
Beryllium	<b>0.00010J</b>	mg/L	0.0030	0.000050	1	05/09/19 13:10	05/09/19 19:43	7440-41-7	
Boron	<b>0.0065J</b>	mg/L	0.040	0.0039	1	05/09/19 13:10	05/09/19 19:43	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	05/09/19 13:10	05/09/19 19:43	7440-43-9	
Calcium	<b>20.0J</b>	mg/L	25.0	0.69	50	05/09/19 13:10	05/09/19 19:49	7440-70-2	D3
Chromium	<b>0.0048J</b>	mg/L	0.010	0.0016	1	05/09/19 13:10	05/09/19 19:43	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	05/09/19 13:10	05/09/19 19:43	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	05/09/19 13:10	05/09/19 19:43	7440-50-8	
Lead	<b>0.00032J</b>	mg/L	0.0050	0.00027	1	05/09/19 13:10	05/09/19 19:43	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	05/09/19 13:10	05/09/19 19:43	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	05/09/19 13:10	05/09/19 19:43	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	05/09/19 13:10	05/09/19 19:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	05/09/19 13:10	05/09/19 19:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	05/09/19 13:10	05/09/19 19:43	7440-62-2	
Zinc	<b>0.0024J</b>	mg/L	0.010	0.0021	1	05/09/19 13:10	05/09/19 19:43	7440-66-6	
<b>6020B MET ICPMS, Lab Filtered</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony, Dissolved	ND	mg/L	0.0030	0.00078	1	05/13/19 12:55	05/14/19 13:03	7440-36-0	
Arsenic, Dissolved	ND	mg/L	0.0050	0.00057	1	05/13/19 12:55	05/14/19 13:03	7440-38-2	
Barium, Dissolved	<b>0.015</b>	mg/L	0.010	0.00078	1	05/13/19 12:55	05/14/19 13:03	7440-39-3	B
Beryllium, Dissolved	ND	mg/L	0.0030	0.000050	1	05/13/19 12:55	05/14/19 13:03	7440-41-7	
Boron, Dissolved	<b>0.0065J</b>	mg/L	0.040	0.0039	1	05/13/19 12:55	05/14/19 13:03	7440-42-8	
Cadmium, Dissolved	ND	mg/L	0.0010	0.000093	1	05/13/19 12:55	05/14/19 13:03	7440-43-9	
Calcium, Dissolved	<b>19.7J</b>	mg/L	25.0	0.69	50	05/13/19 12:55	05/14/19 13:09	7440-70-2	D3
Chromium, Dissolved	<b>0.0037J</b>	mg/L	0.010	0.0016	1	05/13/19 12:55	05/14/19 13:03	7440-47-3	
Cobalt, Dissolved	ND	mg/L	0.010	0.00052	1	05/13/19 12:55	05/14/19 13:03	7440-48-4	
Copper, Dissolved	ND	mg/L	0.025	0.0013	1	05/13/19 12:55	05/14/19 13:03	7440-50-8	
Lead, Dissolved	ND	mg/L	0.0050	0.00027	1	05/13/19 12:55	05/14/19 13:03	7439-92-1	
Nickel, Dissolved	ND	mg/L	0.010	0.00095	1	05/13/19 12:55	05/14/19 13:03	7440-02-0	
Selenium, Dissolved	ND	mg/L	0.010	0.0014	1	05/13/19 12:55	05/14/19 13:03	7782-49-2	
Silver, Dissolved	ND	mg/L	0.010	0.00095	1	05/13/19 12:55	05/14/19 13:03	7440-22-4	
Thallium, Dissolved	ND	mg/L	0.0010	0.00014	1	05/13/19 12:55	05/14/19 13:03	7440-28-0	
Vanadium, Dissolved	ND	mg/L	0.010	0.0019	1	05/13/19 12:55	05/14/19 13:03	7440-62-2	
Zinc, Dissolved	<b>0.0024J</b>	mg/L	0.010	0.0021	1	05/13/19 12:55	05/14/19 13:03	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	05/08/19 08:49	05/08/19 12:39	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury, Dissolved	ND	mg/L	0.00050	0.00014	1	05/13/19 09:53	05/13/19 14:12	7439-97-6	M1,R1
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>118</b>	mg/L	25.0	10.0	1		05/08/19 11:02		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen Landfill Cells

Pace Project No.: 2618213

Sample: <b>GWC-8Z</b>		Lab ID: <b>2618213001</b>		Collected: 05/06/19 14:35	Received: 05/07/19 08:55	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	1.1	mg/L	0.25	0.024	1		05/09/19 09:01	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		05/09/19 09:01	16984-48-8	
Sulfate	2.1	mg/L	1.0	0.017	1		05/09/19 09:01	14808-79-8	

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**QUALITY CONTROL DATA**

Project: Plant Bowen Landfill Cells

Pace Project No.: 2618213

QC Batch: 27980 Analysis Method: EPA 7470A  
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
 Associated Lab Samples: 2618213001

METHOD BLANK: 125836 Matrix: Water

Associated Lab Samples: 2618213001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.00014	05/08/19 12:34	

LABORATORY CONTROL SAMPLE: 125837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 125838 125839

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2618213001 Result	Spike Conc.	Spike Conc.	Conc.								
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0022	95	90	75-125	6	20		

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### QUALITY CONTROL DATA

Project: Plant Bowen Landfill Cells

Pace Project No.: 2618213

QC Batch: 28227	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 2618213001	

METHOD BLANK: 127245 Matrix: Water

Associated Lab Samples: 2618213001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury, Dissolved	mg/L	ND	0.00050	0.00014	05/13/19 14:08	

LABORATORY CONTROL SAMPLE: 127246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	mg/L	0.0025	0.0022	87	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 127258 127259

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2618213001 Result	Spike Conc.	Spike Conc.	Conc.								
Mercury, Dissolved	mg/L	ND	0.0025	0.0025	0.0018	0.0024	70	95	75-125	31	20	M1,R1	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen Landfill Cells  
Pace Project No.: 2618213

QC Batch: 28096 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2618213001

METHOD BLANK: 126481 Matrix: Water  
Associated Lab Samples: 2618213001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	05/09/19 19:32	
Arsenic	mg/L	ND	0.0050	0.00057	05/09/19 19:32	
Barium	mg/L	ND	0.010	0.00078	05/09/19 19:32	
Beryllium	mg/L	ND	0.0030	0.000050	05/09/19 19:32	
Boron	mg/L	ND	0.040	0.0039	05/09/19 19:32	
Cadmium	mg/L	ND	0.0010	0.000093	05/09/19 19:32	
Calcium	mg/L	ND	0.50	0.014	05/09/19 19:32	
Chromium	mg/L	ND	0.010	0.0016	05/09/19 19:32	
Cobalt	mg/L	ND	0.010	0.00052	05/09/19 19:32	
Copper	mg/L	ND	0.025	0.0013	05/09/19 19:32	
Lead	mg/L	ND	0.0050	0.00027	05/09/19 19:32	
Nickel	mg/L	ND	0.010	0.00095	05/09/19 19:32	
Selenium	mg/L	ND	0.010	0.0014	05/09/19 19:32	
Silver	mg/L	ND	0.010	0.00095	05/09/19 19:32	
Thallium	mg/L	ND	0.0010	0.00014	05/09/19 19:32	
Vanadium	mg/L	ND	0.010	0.0019	05/09/19 19:32	
Zinc	mg/L	ND	0.010	0.0021	05/09/19 19:32	

LABORATORY CONTROL SAMPLE: 126482

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	111	80-120	
Arsenic	mg/L	0.1	0.10	100	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.11	107	80-120	
Boron	mg/L	1	1.1	108	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Calcium	mg/L	1	0.99	99	80-120	
Chromium	mg/L	0.1	0.11	107	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Copper	mg/L	0.1	0.11	106	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.11	107	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.11	108	80-120	
Thallium	mg/L	0.1	0.10	102	80-120	
Vanadium	mg/L	0.1	0.11	106	80-120	
Zinc	mg/L	0.1	0.10	100	80-120	

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**QUALITY CONTROL DATA**

Project: Plant Bowen Landfill Cells

Pace Project No.: 2618213

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 126483		126484		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		2618213001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	106	106	75-125	0	20		
Arsenic	mg/L	ND	0.1	0.1	0.099	0.099	98	98	75-125	0	20		
Barium	mg/L	0.015	0.1	0.1	0.12	0.12	99	101	75-125	2	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20		
Boron	mg/L	0.0065J	1	1	1.0	1.0	100	100	75-125	0	20		
Cadmium	mg/L	ND	0.1	0.1	0.099	0.10	99	102	75-125	3	20		
Calcium	mg/L	19.7J	1	1	20.8J	21.0J	86	109	75-125	1	20		
Chromium	mg/L	0.0037J	0.1	0.1	0.11	0.12	105	116	75-125	9	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.10	101	103	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.10	0.099	100	98	75-125	2	20		
Nickel	mg/L	ND	0.1	0.1	0.10	0.11	104	111	75-125	6	20		
Selenium	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	102	100	75-125	2	20		
Thallium	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	1	20		
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	105	105	75-125	0	20		
Zinc	mg/L	0.0024J	0.1	0.1	0.10	0.11	100	104	75-125	5	20		

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**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: Plant Bowen Landfill Cells  
Pace Project No.: 2618213

QC Batch: 28258 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET Dissolved  
Associated Lab Samples: 2618213001

METHOD BLANK: 127316 Matrix: Water  
Associated Lab Samples: 2618213001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony, Dissolved	mg/L	ND	0.0030	0.00078	05/13/19 17:22	
Arsenic, Dissolved	mg/L	ND	0.0050	0.00057	05/13/19 17:22	
Barium, Dissolved	mg/L	0.0016J	0.010	0.00078	05/13/19 17:22	
Beryllium, Dissolved	mg/L	ND	0.0030	0.000050	05/13/19 17:22	
Boron, Dissolved	mg/L	ND	0.040	0.0039	05/13/19 17:22	
Cadmium, Dissolved	mg/L	ND	0.0010	0.000093	05/13/19 17:22	
Calcium, Dissolved	mg/L	ND	0.50	0.014	05/13/19 17:22	
Chromium, Dissolved	mg/L	ND	0.010	0.0016	05/13/19 17:22	
Cobalt, Dissolved	mg/L	ND	0.010	0.00052	05/13/19 17:22	
Copper, Dissolved	mg/L	ND	0.025	0.0013	05/13/19 17:22	
Lead, Dissolved	mg/L	ND	0.0050	0.00027	05/13/19 17:22	
Nickel, Dissolved	mg/L	ND	0.010	0.00095	05/13/19 17:22	
Selenium, Dissolved	mg/L	ND	0.010	0.0014	05/13/19 17:22	
Silver, Dissolved	mg/L	ND	0.010	0.00095	05/13/19 17:22	
Thallium, Dissolved	mg/L	ND	0.0010	0.00014	05/13/19 17:22	
Vanadium, Dissolved	mg/L	ND	0.010	0.0019	05/13/19 17:22	
Zinc, Dissolved	mg/L	ND	0.010	0.0021	05/13/19 17:22	

LABORATORY CONTROL SAMPLE: 127317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony, Dissolved	mg/L	0.1	0.099	99	80-120	
Arsenic, Dissolved	mg/L	0.1	0.096	96	80-120	
Barium, Dissolved	mg/L	0.1	0.097	97	80-120	
Beryllium, Dissolved	mg/L	0.1	0.098	98	80-120	
Boron, Dissolved	mg/L	1	0.98	98	80-120	
Cadmium, Dissolved	mg/L	0.1	0.10	101	80-120	
Calcium, Dissolved	mg/L	1	0.97	97	80-120	
Chromium, Dissolved	mg/L	0.1	0.099	99	80-120	
Cobalt, Dissolved	mg/L	0.1	0.096	96	80-120	
Copper, Dissolved	mg/L	0.1	0.098	98	80-120	
Lead, Dissolved	mg/L	0.1	0.099	99	80-120	
Nickel, Dissolved	mg/L	0.1	0.098	98	80-120	
Selenium, Dissolved	mg/L	0.1	0.098	98	80-120	
Silver, Dissolved	mg/L	0.1	0.10	101	80-120	
Thallium, Dissolved	mg/L	0.1	0.097	97	80-120	
Vanadium, Dissolved	mg/L	0.1	0.098	98	80-120	
Zinc, Dissolved	mg/L	0.1	0.098	98	80-120	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen Landfill Cells

Pace Project No.: 2618213

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 127318		127319		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		2618213001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony, Dissolved	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	2	20	
Arsenic, Dissolved	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Barium, Dissolved	mg/L	0.015	0.1	0.1	0.12	0.11	101	98	75-125	2	20	
Beryllium, Dissolved	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	2	20	
Boron, Dissolved	mg/L	0.0065J	1	1	1.0	1.0	104	103	75-125	0	20	
Cadmium, Dissolved	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20	
Calcium, Dissolved	mg/L	19.7J	1	1	20.8J	20.8J	117	117	75-125	0	20	
Chromium, Dissolved	mg/L	0.0037J	0.1	0.1	0.11	0.11	105	106	75-125	1	20	
Cobalt, Dissolved	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20	
Copper, Dissolved	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Lead, Dissolved	mg/L	ND	0.1	0.1	0.097	0.097	97	97	75-125	1	20	
Nickel, Dissolved	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Selenium, Dissolved	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Silver, Dissolved	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	1	20	
Thallium, Dissolved	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	0	20	
Vanadium, Dissolved	mg/L	ND	0.1	0.1	0.11	0.11	106	106	75-125	0	20	
Zinc, Dissolved	mg/L	0.0024J	0.1	0.1	0.10	0.10	101	98	75-125	2	20	

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### QUALITY CONTROL DATA

Project: Plant Bowen Landfill Cells  
Pace Project No.: 2618213

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QC Batch: 27996	Analysis Method: SM 2540C
QC Batch Method: SM 2540C	Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 2618213001	

---

LABORATORY CONTROL SAMPLE: 125894

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	422	106	84-108	

---

SAMPLE DUPLICATE: 125895

Parameter	Units	2618044001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	310	354	13	10	D6

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### QUALITY CONTROL DATA

Project: Plant Bowen Landfill Cells  
Pace Project No.: 2618213

QC Batch: 27947 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2618213001

METHOD BLANK: 125764 Matrix: Water  
Associated Lab Samples: 2618213001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	0.10J	0.25	0.024	05/08/19 22:59	
Fluoride	mg/L	ND	0.30	0.029	05/08/19 22:59	
Sulfate	mg/L	0.022J	1.0	0.017	05/08/19 22:59	

LABORATORY CONTROL SAMPLE: 125765

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.2	102	90-110	
Fluoride	mg/L	10	10.3	103	90-110	
Sulfate	mg/L	10	10	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 125766 125767

Parameter	Units	2618153001		2618153002		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Chloride	mg/L	61.2	10	10	71.9	71.7	107	105	90-110	0	15	E	
Fluoride	mg/L	0.75	10	10	10.2	10.2	94	94	90-110	0	15		
Sulfate	mg/L	ND	10	10	722	722	-13700	-13700	90-110	0	15	E,M1	

MATRIX SPIKE SAMPLE: 125768

Parameter	Units	2618153002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	72.2	10	78.9	68	90-110	E,M1
Fluoride	mg/L	2.9	10	12.1	93	90-110	
Sulfate	mg/L	1300	10	538	-7590	90-110	E,M1

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## QUALIFIERS

Project: Plant Bowen Landfill Cells

Pace Project No.: 2618213

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen Landfill Cells

Pace Project No.: 2618213

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2618213001	GWC-8Z	EPA 3005A	28096	EPA 6020B	28106
2618213001	GWC-8Z	EPA 3005A	28258	EPA 6020B	28279
2618213001	GWC-8Z	EPA 7470A	27980	EPA 7470A	28005
2618213001	GWC-8Z	EPA 7470A	28227	EPA 7470A	28261
2618213001	GWC-8Z	SM 2540C	27996		
2618213001	GWC-8Z	EPA 300.0	27947		

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A  
**Required Client Information:**  
 Company: Georgia Power - Coal Combustion Residuals  
 Address: 2480 Maner Road  
 Atlanta, GA 30339  
 Email: jabraham@southernco.com  
 Phone: (404)506-7239  
 Fax: \_\_\_\_\_  
 Requested Due Date: \_\_\_\_\_

Section B  
**Required Project Information:**  
 Report To: Joju Abraham  
 Copy To: ~~Geopetite~~  
 Purchase Order #: SCS10348606  
 Project Name: Plant Bowen ~~Asst-Pend~~ **Land Fill Cells**  
 Project #: \_\_\_\_\_

Section C  
**Invoice Information:**  
 Attention: \_\_\_\_\_  
 Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Pace Quote: **317.5**  
 Pace Project Manager: **betsy.mcdaniel@pacelabs.com**  
 Pace Profile #: **445**

Regulatory Agency: \_\_\_\_\_  
 State / Location: **GA**

Page : 1 Of 1

ITEM #	MATRIX CODE Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	COLLECTED	DATE	TIME	DATE	TIME	SAMPLE TYPE (G-GRAB C-COMP)	MATRIX CODE (see valid codes to left)	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on Ice (Y/N) Custody (Y/N) Sealed Cooler (Y/N) Samples Intact (Y/N)						
																	START	END	DATE	TIME	DATE	TIME
																	# OF CONTAINERS			Preservatives		
1			5/16/19	1435			G-GRAB C-COMP		Audrey Crafton	5/17/19	0855	Charles Henk	5/17/19	0855	1.4	Y N Y						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

**ADDITIONAL COMMENTS**

W0#: 2618213

SAMPLER NAME AND SIGNATURE  
 PRINT Name of SAMPLER: Audrey Crafton  
 SIGNATURE of SAMPLER: *Audrey Crafton*  
 DATE Signed: 5/16/19



Sample Condition Upon Receipt

WO#: 2618213

Client Name: GA Power

PM: BM

Due Date: 05/14/19

CLIENT: GAPower-CCR

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other

Tracking #: \_\_\_\_\_

Proj. Due Date: \_\_\_\_\_  
Proj. Name: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used 082 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 08.1.4°C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 5/7/19 CCR

Temp should be above freezing to 6°C 5/7/19

Comments: \_\_\_\_\_

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11. Lab to filter Diss mets
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

March 18, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

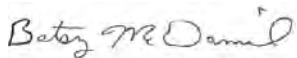
RE: Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615878

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 09, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615878

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615878

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
2615878001	GWA-36	Water	03/06/19 11:33	03/09/19 09:05
2615878002	GWA-37	Water	03/06/19 12:22	03/09/19 09:05
2615878003	Dup-1	Water	03/06/19 00:00	03/09/19 09:05

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615878

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2615878001	GWA-36	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2615878002	GWA-37	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2615878003	Dup-1	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615878

Sample: GWA-36      Lab ID: 2615878001      Collected: 03/06/19 11:33      Received: 03/09/19 09:05      Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b> Analytical Method: EPA 6020B      Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 14:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 14:30	7440-38-2	
Barium	<b>0.018</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 14:30	7440-39-3	
Beryllium	<b>0.00029J</b>	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 14:30	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 14:30	7440-42-8	
Cadmium	<b>0.0013</b>	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 14:30	7440-43-9	
Calcium	<b>11.2J</b>	mg/L	25.0	0.69	50	03/13/19 10:50	03/14/19 14:35	7440-70-2	D3
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 14:30	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 14:30	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 14:30	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 14:30	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 14:30	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 14:30	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 14:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 14:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 14:30	7440-62-2	
Zinc	<b>0.56</b>	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 14:30	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:19	7439-97-6	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C									
Total Dissolved Solids	<b>71.0</b>	mg/L	25.0	10.0	1		03/13/19 19:23		
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Chloride	<b>2.4</b>	mg/L	0.25	0.024	1		03/13/19 00:23	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 00:23	16984-48-8	
Sulfate	<b>0.45J</b>	mg/L	1.0	0.017	1		03/13/19 00:23	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615878

Sample: <b>GWA-37</b>		Lab ID: <b>2615878002</b>		Collected: 03/06/19 12:22		Received: 03/09/19 09:05		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	<b>0.0019J</b>	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 14:41	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 14:41	7440-38-2		
Barium	<b>0.0052J</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 14:41	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 14:41	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 14:41	7440-42-8		
Cadmium	<b>0.000093J</b>	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 14:41	7440-43-9		
Calcium	<b>0.78</b>	mg/L	0.50	0.014	1	03/13/19 10:50	03/14/19 14:41	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 14:41	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 14:41	7440-48-4		
Copper	<b>0.0052J</b>	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 14:41	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 14:41	7439-92-1		
Nickel	<b>0.0075J</b>	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 14:41	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 14:41	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 14:41	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 14:41	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 14:41	7440-62-2		
Zinc	<b>0.0035J</b>	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 14:41	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:21	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>22.0J</b>	mg/L	25.0	10.0	1		03/13/19 19:23			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.1</b>	mg/L	0.25	0.024	1		03/13/19 00:46	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 00:46	16984-48-8		
Sulfate	<b>0.46J</b>	mg/L	1.0	0.017	1		03/13/19 00:46	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615878

Sample: Dup-1		Lab ID: 2615878003		Collected: 03/06/19 00:00		Received: 03/09/19 09:05		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 15:11	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 15:11	7440-38-2		
Barium	<b>0.018</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 15:11	7440-39-3		
Beryllium	<b>0.00026J</b>	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 15:11	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 15:11	7440-42-8		
Cadmium	<b>0.0012</b>	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 15:11	7440-43-9		
Calcium	<b>10.5J</b>	mg/L	25.0	0.69	50	03/13/19 10:50	03/14/19 15:17	7440-70-2	D3	
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 15:11	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 15:11	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 15:11	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 15:11	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 15:11	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 15:11	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 15:11	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 15:11	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 15:11	7440-62-2		
Zinc	<b>0.53</b>	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 15:11	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:23	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>260</b>	mg/L	25.0	10.0	1		03/13/19 19:23			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.5</b>	mg/L	0.25	0.024	1		03/13/19 01:08	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 01:08	16984-48-8		
Sulfate	<b>0.43J</b>	mg/L	1.0	0.017	1		03/13/19 01:08	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615878

QC Batch: 24123 Analysis Method: EPA 7470A  
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
Associated Lab Samples: 2615878001, 2615878002, 2615878003

METHOD BLANK: 108124 Matrix: Water  
Associated Lab Samples: 2615878001, 2615878002, 2615878003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/13/19 11:53	

LABORATORY CONTROL SAMPLE: 108125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 108126 108127

Parameter	Units	2615876001 Result	MS		MSD		% Rec	% Rec	% Rec	Limits	Max	
			Spike Conc.	MS Result	Spike Conc.	MSD Result					RPD	RPD
Mercury	mg/L	ND	0.0025	0.0028	0.0025	0.0026	111	103	75-125	8	20	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615878

QC Batch: 24189 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2615878001, 2615878002, 2615878003

METHOD BLANK: 108347 Matrix: Water  
Associated Lab Samples: 2615878001, 2615878002, 2615878003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/14/19 14:01	
Arsenic	mg/L	ND	0.0050	0.00057	03/14/19 14:01	
Barium	mg/L	ND	0.010	0.00078	03/14/19 14:01	
Beryllium	mg/L	ND	0.0030	0.000050	03/14/19 14:01	
Boron	mg/L	ND	0.040	0.0039	03/14/19 14:01	
Cadmium	mg/L	ND	0.0010	0.000093	03/14/19 14:01	
Calcium	mg/L	ND	0.50	0.014	03/14/19 14:01	
Chromium	mg/L	ND	0.010	0.0016	03/14/19 14:01	
Cobalt	mg/L	ND	0.010	0.00052	03/14/19 14:01	
Copper	mg/L	ND	0.025	0.0013	03/14/19 14:01	
Lead	mg/L	ND	0.0050	0.00027	03/14/19 14:01	
Nickel	mg/L	ND	0.010	0.00095	03/14/19 14:01	
Selenium	mg/L	ND	0.010	0.0014	03/14/19 14:01	
Silver	mg/L	ND	0.010	0.00095	03/14/19 14:01	
Thallium	mg/L	ND	0.0010	0.00014	03/14/19 14:01	
Vanadium	mg/L	ND	0.010	0.0019	03/14/19 14:01	
Zinc	mg/L	ND	0.010	0.0021	03/14/19 14:01	

LABORATORY CONTROL SAMPLE: 108348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Calcium	mg/L	1	0.96	96	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.097	97	80-120	
Copper	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Nickel	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	
Vanadium	mg/L	0.1	0.099	99	80-120	
Zinc	mg/L	0.1	0.10	100	80-120	

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**QUALITY CONTROL DATA**

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615878

Parameter	Units	2615879006		108349		108350		% Rec	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec								
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	0	20				
Arsenic	mg/L	0.00085J	0.1	0.1	0.10	0.10	99	100	75-125	0	20				
Barium	mg/L	0.042	0.1	0.1	0.14	0.14	97	102	75-125	3	20				
Beryllium	mg/L	ND	0.1	0.1	0.095	0.098	95	98	75-125	3	20				
Boron	mg/L	0.020J	1	1	0.97	1.0	95	100	75-125	4	20				
Cadmium	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20				
Calcium	mg/L	33.3	1	1	34.4	36.2	111	297	75-125	5	20	M6			
Chromium	mg/L	ND	0.1	0.1	0.098	0.099	98	98	75-125	1	20				
Cobalt	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20				
Copper	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20				
Lead	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20				
Nickel	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	1	20				
Selenium	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	2	20				
Silver	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20				
Thallium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20				
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20				
Zinc	mg/L	ND	0.1	0.1	0.098	0.097	97	96	75-125	2	20				

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**QUALITY CONTROL DATA**

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615878

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QC Batch:	24220	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	2615878001, 2615878002, 2615878003		

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LABORATORY CONTROL SAMPLE: 108435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	401	100	84-108	

SAMPLE DUPLICATE: 108436

Parameter	Units	2615740001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	19000	18800	1	10	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615878

QC Batch: 24135 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2615878001, 2615878002, 2615878003

METHOD BLANK: 108159 Matrix: Water  
Associated Lab Samples: 2615878001, 2615878002, 2615878003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.024	03/12/19 21:45	
Fluoride	mg/L	ND	0.30	0.029	03/12/19 21:45	
Sulfate	mg/L	ND	1.0	0.017	03/12/19 21:45	

LABORATORY CONTROL SAMPLE: 108160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.5	95	90-110	
Fluoride	mg/L	10	9.5	95	90-110	
Sulfate	mg/L	10	9.1	91	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 108161 108162

Parameter	Units	2615876001		2615876002		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Chloride	mg/L	31.1	10	10	34.9	35.0	38	39	90-110	0	15	M1	
Fluoride	mg/L	0.88	10	10	10.0	10.1	92	92	90-110	1	15		
Sulfate	mg/L	209	10	10	192	193	-162	-159	90-110	0	15	E	

MATRIX SPIKE SAMPLE: 108163

Parameter	Units	2615876002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	0.071J	10	9.7	96	90-110	
Fluoride	mg/L	ND	10	9.6	96	90-110	
Sulfate	mg/L	ND	10	9.2	92	90-110	

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## QUALIFIERS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615878

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615878

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2615878001	GWA-36	EPA 3005A	24189	EPA 6020B	24210
2615878002	GWA-37	EPA 3005A	24189	EPA 6020B	24210
2615878003	Dup-1	EPA 3005A	24189	EPA 6020B	24210
2615878001	GWA-36	EPA 7470A	24123	EPA 7470A	24183
2615878002	GWA-37	EPA 7470A	24123	EPA 7470A	24183
2615878003	Dup-1	EPA 7470A	24123	EPA 7470A	24183
2615878001	GWA-36	SM 2540C	24220		
2615878002	GWA-37	SM 2540C	24220		
2615878003	Dup-1	SM 2540C	24220		
2615878001	GWA-36	EPA 300.0	24135		
2615878002	GWA-37	EPA 300.0	24135		
2615878003	Dup-1	EPA 300.0	24135		

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 (770) 734-4200 : FAX (770) 734-4201 : www.asi-lab.com

**CHAIN OF CUSTODY RECORD**

PAGE: 1 OF 1

CLIENT NAME: Southern Company Services  
 CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER:  
2180 Manor Road  
Atlanta, GA 30339  
 REPORT TO: Seju Abraham CC: Geosyntec  
 REQUESTED COMPLETION DATE: PO # 50510348606  
 PROJECT NAME/STATE:  
Plant Bowen Cells 3x4 CCR  
 PROJECT #

CONTAINER TYPE PRESERVATION	ANALYSIS REQUESTED				DATE/TIME
	P	P	P	P	
# of	7	3	3		
CONTAINERS	Cl. T. 501 EPA 300 TDS GM 2540C Metals App III EPA 600 Bowen Stalk GV EPA 600 + 747D				

L	A	B	I	D	N	U	M	B	E	R	REMARKS/ADDITIONAL INFORMATION
1											
2											
3											

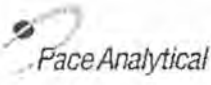
CONTAINER TYPE  
 P - PLASTIC  
 A - AMBER GLASS  
 G - CLEAR GLASS  
 V - VOA VIAL  
 S - STERILE  
 O - OTHER

PRESERVATION  
 1 - HCl, ≤6°C  
 2 - H<sub>2</sub>SO<sub>4</sub>, ≤6°C  
 3 - HNO<sub>3</sub>  
 4 - NaOH, ≤6°C  
 5 - NaOH/ZnAc, ≤6°C  
 6 - Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, ≤6°C  
 7 - ≤6°C not frozen

\*MATRIX CODES:  
 DW - DRINKING WATER S - SOIL  
 WW - WASTEWATER SL - SLUDGE  
 GW - GROUNDWATER SD - SOLID  
 SW - SURFACE WATER A - AIR  
 ST - STORM WATER L - LIQUID  
 W - WATER P - PRODUCT

RELINQUISHED BY: [Signature] DATE/TIME: 3/19/19  
 RELINQUISHED BY: [Signature] DATE/TIME: 3/19/19

SAMPLED BY AND/TITLE: Robert Mull / Auburn Carbon DATE/TIME: 3/16/19 1600  
 RECEIVED BY: [Signature] DATE/TIME: 3/19/19 0905  
 pH: 7.0 No NA Yes NA Max. 1.1°C  
 Temperature: 1.1°C Min. Max.  
 SAMPLE SHIPPED VIA: UPS  FED-EX  USPS  COURIER  CLIENT  OTHER   
 # of Coolers: 1 Broken  Not Present   
 Cooler ID: [Blank]  
 Tracking #: **W0#: 2615878**  
 Entered into LIMS: [Blank]  
 FOR LAB USE ONLY  
 LAB #: [Blank]  
 Pace COC Revised



Sample Condition Upon Receipt

WO#: 2615878

Client Name: GA Power

PM: BM

Due Date: 03/18/19

CLIENT: GAPower-CCR

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used 082 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 1.7°C Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 3/9/19 BM

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix:	<u>W</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

March 18, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

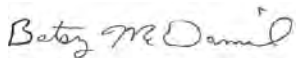
RE: Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615879

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 09, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615879

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## SAMPLE SUMMARY

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615879

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2615879001	GWA-36R	Water	03/07/19 10:25	03/09/19 09:05
2615879002	GWA-38	Water	03/07/19 11:06	03/09/19 09:05
2615879003	GWA-52	Water	03/07/19 12:32	03/09/19 09:05
2615879004	GWA-54	Water	03/07/19 13:54	03/09/19 09:05
2615879005	GWA-55R	Water	03/07/19 15:15	03/09/19 09:05
2615879006	GWA-56	Water	03/07/19 15:55	03/09/19 09:05

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615879

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2615879001	GWA-36R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2615879002	GWA-38	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2615879003	GWA-52	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2615879004	GWA-54	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2615879005	GWA-55R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2615879006	GWA-56	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615879

Sample: <b>GWA-36R</b>		Lab ID: <b>2615879001</b>		Collected: 03/07/19 10:25		Received: 03/09/19 09:05		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 15:22	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 15:22	7440-38-2		
Barium	<b>0.018</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 15:22	7440-39-3		
Beryllium	<b>0.000068J</b>	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 15:22	7440-41-7		
Boron	<b>0.0049J</b>	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 15:22	7440-42-8		
Cadmium	<b>0.00017J</b>	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 15:22	7440-43-9		
Calcium	<b>28.0</b>	mg/L	25.0	0.69	50	03/13/19 10:50	03/14/19 15:28	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 15:22	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 15:22	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 15:22	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 15:22	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 15:22	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 15:22	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 15:22	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 15:22	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 15:22	7440-62-2		
Zinc	<b>0.043</b>	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 15:22	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:26	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>135</b>	mg/L	25.0	10.0	1		03/13/19 19:23			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.8</b>	mg/L	0.25	0.024	1		03/13/19 01:31	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 01:31	16984-48-8		
Sulfate	<b>4.3</b>	mg/L	1.0	0.017	1		03/13/19 01:31	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615879

**Sample: GWA-38**      **Lab ID: 2615879002**      Collected: 03/07/19 11:06      Received: 03/09/19 09:05      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b> Analytical Method: EPA 6020B      Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 15:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 15:34	7440-38-2	
Barium	<b>0.011</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 15:34	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 15:34	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 15:34	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 15:34	7440-43-9	
Calcium	<b>2.6</b>	mg/L	0.50	0.014	1	03/13/19 10:50	03/14/19 15:34	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 15:34	7440-47-3	
Cobalt	<b>0.00087J</b>	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 15:34	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 15:34	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 15:34	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 15:34	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 15:34	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 15:34	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 15:34	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 15:34	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 15:34	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:28	7439-97-6	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C									
Total Dissolved Solids	<b>84.0</b>	mg/L	25.0	10.0	1		03/13/19 19:23		
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Chloride	<b>2.9</b>	mg/L	0.25	0.024	1		03/13/19 01:54	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 01:54	16984-48-8	
Sulfate	<b>1.1</b>	mg/L	1.0	0.017	1		03/13/19 01:54	14808-79-8	

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615879

Sample: GWA-52		Lab ID: 2615879003		Collected: 03/07/19 12:32		Received: 03/09/19 09:05		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 15:45	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 15:45	7440-38-2		
Barium	<b>0.025</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 15:45	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 15:45	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 15:45	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 15:45	7440-43-9		
Calcium	<b>29.5</b>	mg/L	25.0	0.69	50	03/13/19 10:50	03/14/19 15:51	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 15:45	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 15:45	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 15:45	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 15:45	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 15:45	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 15:45	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 15:45	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 15:45	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 15:45	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 15:45	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:30	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>159</b>	mg/L	25.0	10.0	1		03/13/19 19:24			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>3.6</b>	mg/L	0.25	0.024	1		03/13/19 03:47	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 03:47	16984-48-8		
Sulfate	<b>12.7</b>	mg/L	1.0	0.017	1		03/13/19 03:47	14808-79-8		

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615879

Sample: GWA-54		Lab ID: 2615879004		Collected: 03/07/19 13:54		Received: 03/09/19 09:05		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 15:57	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 15:57	7440-38-2	
Barium	<b>0.039</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 15:57	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 15:57	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 15:57	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 15:57	7440-43-9	
Calcium	<b>23.8J</b>	mg/L	25.0	0.69	50	03/13/19 10:50	03/14/19 16:02	7440-70-2	D3
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 15:57	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 15:57	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 15:57	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 15:57	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 15:57	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 15:57	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 15:57	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 15:57	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 15:57	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 15:57	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:33	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>111</b>	mg/L	25.0	10.0	1		03/13/19 19:24		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>1.2</b>	mg/L	0.25	0.024	1		03/13/19 04:09	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 04:09	16984-48-8	
Sulfate	<b>2.6</b>	mg/L	1.0	0.017	1		03/13/19 04:09	14808-79-8	

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615879

Sample: <b>GWA-55R</b>		Lab ID: <b>2615879005</b>		Collected: 03/07/19 15:15		Received: 03/09/19 09:05		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 16:27	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 16:27	7440-38-2	
Barium	<b>0.033</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 16:27	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 16:27	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 16:27	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 16:27	7440-43-9	
Calcium	<b>40.4</b>	mg/L	25.0	0.69	50	03/13/19 10:50	03/14/19 16:33	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 16:27	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 16:27	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 16:27	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 16:27	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 16:27	7440-02-0	
Selenium	<b>0.0016J</b>	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 16:27	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 16:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 16:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 16:27	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 16:27	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:35	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>212</b>	mg/L	25.0	10.0	1		03/13/19 19:24		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>3.2</b>	mg/L	0.25	0.024	1		03/13/19 04:55	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 04:55	16984-48-8	
Sulfate	<b>25.0</b>	mg/L	1.0	0.017	1		03/13/19 04:55	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615879

Sample: <b>GWA-56</b>		Lab ID: <b>2615879006</b>		Collected: 03/07/19 15:55		Received: 03/09/19 09:05		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 16:39	7440-36-0	
Arsenic	<b>0.00085J</b>	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 16:39	7440-38-2	
Barium	<b>0.042</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 16:39	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 16:39	7440-41-7	
Boron	<b>0.020J</b>	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 16:39	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 16:39	7440-43-9	
Calcium	<b>33.3</b>	mg/L	25.0	0.69	50	03/13/19 10:50	03/14/19 16:44	7440-70-2	M6
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 16:39	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 16:39	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 16:39	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 16:39	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 16:39	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 16:39	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 16:39	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 16:39	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 16:39	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 16:39	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:38	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>410</b>	mg/L	25.0	10.0	1		03/13/19 19:24		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>6.0</b>	mg/L	0.25	0.024	1		03/13/19 05:17	16887-00-6	
Fluoride	<b>0.089J</b>	mg/L	0.30	0.029	1		03/13/19 05:17	16984-48-8	
Sulfate	<b>88.7</b>	mg/L	10.0	0.17	10		03/18/19 16:25	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615879

QC Batch: 24123

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Associated Lab Samples: 2615879001, 2615879002, 2615879003, 2615879004, 2615879005, 2615879006

METHOD BLANK: 108124

Matrix: Water

Associated Lab Samples: 2615879001, 2615879002, 2615879003, 2615879004, 2615879005, 2615879006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/13/19 11:53	

LABORATORY CONTROL SAMPLE: 108125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 108126

108127

Parameter	Units	2615876001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0028	0.0026	111	103	75-125	8	20	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615879

QC Batch: 24189 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2615879001, 2615879002, 2615879003, 2615879004, 2615879005, 2615879006

METHOD BLANK: 108347 Matrix: Water  
Associated Lab Samples: 2615879001, 2615879002, 2615879003, 2615879004, 2615879005, 2615879006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/14/19 14:01	
Arsenic	mg/L	ND	0.0050	0.00057	03/14/19 14:01	
Barium	mg/L	ND	0.010	0.00078	03/14/19 14:01	
Beryllium	mg/L	ND	0.0030	0.000050	03/14/19 14:01	
Boron	mg/L	ND	0.040	0.0039	03/14/19 14:01	
Cadmium	mg/L	ND	0.0010	0.000093	03/14/19 14:01	
Calcium	mg/L	ND	0.50	0.014	03/14/19 14:01	
Chromium	mg/L	ND	0.010	0.0016	03/14/19 14:01	
Cobalt	mg/L	ND	0.010	0.00052	03/14/19 14:01	
Copper	mg/L	ND	0.025	0.0013	03/14/19 14:01	
Lead	mg/L	ND	0.0050	0.00027	03/14/19 14:01	
Nickel	mg/L	ND	0.010	0.00095	03/14/19 14:01	
Selenium	mg/L	ND	0.010	0.0014	03/14/19 14:01	
Silver	mg/L	ND	0.010	0.00095	03/14/19 14:01	
Thallium	mg/L	ND	0.0010	0.00014	03/14/19 14:01	
Vanadium	mg/L	ND	0.010	0.0019	03/14/19 14:01	
Zinc	mg/L	ND	0.010	0.0021	03/14/19 14:01	

LABORATORY CONTROL SAMPLE: 108348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Calcium	mg/L	1	0.96	96	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.097	97	80-120	
Copper	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Nickel	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	
Vanadium	mg/L	0.1	0.099	99	80-120	
Zinc	mg/L	0.1	0.10	100	80-120	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615879

Parameter	Units	2615879006		108349		108350		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	0	20			
Arsenic	mg/L	0.00085J	0.1	0.1	0.10	0.10	99	100	75-125	0	20			
Barium	mg/L	0.042	0.1	0.1	0.14	0.14	97	102	75-125	3	20			
Beryllium	mg/L	ND	0.1	0.1	0.095	0.098	95	98	75-125	3	20			
Boron	mg/L	0.020J	1	1	0.97	1.0	95	100	75-125	4	20			
Cadmium	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20			
Calcium	mg/L	33.3	1	1	34.4	36.2	111	297	75-125	5	20	M6		
Chromium	mg/L	ND	0.1	0.1	0.098	0.099	98	98	75-125	1	20			
Cobalt	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20			
Copper	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20			
Lead	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20			
Nickel	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	1	20			
Selenium	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	2	20			
Silver	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20			
Thallium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20			
Zinc	mg/L	ND	0.1	0.1	0.098	0.097	97	96	75-125	2	20			

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615879

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QC Batch: 24220 Analysis Method: SM 2540C  
 QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids  
 Associated Lab Samples: 2615879001, 2615879002, 2615879003, 2615879004, 2615879005, 2615879006

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LABORATORY CONTROL SAMPLE: 108435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	401	100	84-108	

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SAMPLE DUPLICATE: 108436

Parameter	Units	2615740001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	19000	18800	1	10	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615879

QC Batch: 24135 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2615879001, 2615879002, 2615879003, 2615879004, 2615879005, 2615879006

METHOD BLANK: 108159 Matrix: Water  
Associated Lab Samples: 2615879001, 2615879002, 2615879003, 2615879004, 2615879005, 2615879006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.024	03/12/19 21:45	
Fluoride	mg/L	ND	0.30	0.029	03/12/19 21:45	
Sulfate	mg/L	ND	1.0	0.017	03/12/19 21:45	

LABORATORY CONTROL SAMPLE: 108160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.5	95	90-110	
Fluoride	mg/L	10	9.5	95	90-110	
Sulfate	mg/L	10	9.1	91	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 108161 108162

Parameter	Units	2615876001		2615876002		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec					
Chloride	mg/L	31.1	10	10	34.9	35.0	38	39	90-110	0	15	M1	
Fluoride	mg/L	0.88	10	10	10.0	10.1	92	92	90-110	1	15		
Sulfate	mg/L	209	10	10	192	193	-162	-159	90-110	0	15	E	

MATRIX SPIKE SAMPLE: 108163

Parameter	Units	2615876002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	0.071J	10	9.7	96	90-110	
Fluoride	mg/L	ND	10	9.6	96	90-110	
Sulfate	mg/L	ND	10	9.2	92	90-110	

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## QUALIFIERS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615879

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615879

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2615879001	GWA-36R	EPA 3005A	24189	EPA 6020B	24210
2615879002	GWA-38	EPA 3005A	24189	EPA 6020B	24210
2615879003	GWA-52	EPA 3005A	24189	EPA 6020B	24210
2615879004	GWA-54	EPA 3005A	24189	EPA 6020B	24210
2615879005	GWA-55R	EPA 3005A	24189	EPA 6020B	24210
2615879006	GWA-56	EPA 3005A	24189	EPA 6020B	24210
2615879001	GWA-36R	EPA 7470A	24123	EPA 7470A	24183
2615879002	GWA-38	EPA 7470A	24123	EPA 7470A	24183
2615879003	GWA-52	EPA 7470A	24123	EPA 7470A	24183
2615879004	GWA-54	EPA 7470A	24123	EPA 7470A	24183
2615879005	GWA-55R	EPA 7470A	24123	EPA 7470A	24183
2615879006	GWA-56	EPA 7470A	24123	EPA 7470A	24183
2615879001	GWA-36R	SM 2540C	24220		
2615879002	GWA-38	SM 2540C	24220		
2615879003	GWA-52	SM 2540C	24220		
2615879004	GWA-54	SM 2540C	24220		
2615879005	GWA-55R	SM 2540C	24220		
2615879006	GWA-56	SM 2540C	24220		
2615879001	GWA-36R	EPA 300.0	24135		
2615879002	GWA-38	EPA 300.0	24135		
2615879003	GWA-52	EPA 300.0	24135		
2615879004	GWA-54	EPA 300.0	24135		
2615879005	GWA-55R	EPA 300.0	24135		
2615879006	GWA-56	EPA 300.0	24135		

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 (770) 734-4200 : FAX (770) 734-4201 : www.asi-lab.com

**CHAIN OF CUSTODY RECORD**

PAGE: 1 OF 1

CLIENT NAME: Southern Company Services  
 CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER:  
2480 Maner Road  
Atlanta, GA 30380  
 REPORT TO: Joie Abraham  
 CC: Geostatic  
 REQUESTED COMPLETION DATE: PO# SC510348606  
 PROJECT NAME/STATE:  
Plant Bowen Cells 3+4 CER  
 PROJECT #:

CONTAINER TYPE	ANALYSIS REQUESTED							CONTAINER TYPE	PRESERVATION
	P	P	P	P	P	P	P		
P - PLASTIC								P - PLASTIC	1 - HCl, ≤6°C
A - AMBER GLASS								A - AMBER GLASS	2 - H <sub>2</sub> SO <sub>4</sub> , ≤6°C
G - CLEAR GLASS								G - CLEAR GLASS	3 - HNO <sub>3</sub>
V - VOA VIAL								V - VOA VIAL	4 - NaOH, ≤6°C
S - STERILE								S - STERILE	5 - NaOH/ZnAc, ≤6°C
O - OTHER								O - OTHER	6 - Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , ≤6°C
									7 - ≤6°C not frozen

L A B I D N U M B E R	# of CONTAINERS	RELINQUISHED BY:	RELINQUISHED BY:	DATE/TIME:	DATE/TIME:	C O U R I E R	C O O L E R S	C L I E N T	O T H E R	F S	LAB #:	REMARKS/ADDITIONAL INFORMATION
1	2	C.T. SOU EPA 500	TRX SM254UC	3/7/19	1700	200	2	BOVEN				DW - DRINKING WATER
2	2											WW - WASTEWATER
3	2											GW - GROUNDWATER
4	2											SW - SURFACE WATER
5	2											ST - STORM WATER
6	2											W - WATER

FOR LAB USE ONLY

ENTERED INTO LIMS: \_\_\_\_\_

TRACKING #: **WO#: 2615879**

RECEIVED BY AND TITLE: Robert M. Adams, Laboratory Manager DATE/TIME: 3/7/19 1700

RECEIVED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_

RECEIVED BY LAB: Robert M. Adams DATE/TIME: 3/7/19 0905

Temp: \_\_\_\_\_ Min: \_\_\_\_\_ Max: \_\_\_\_\_

Intact:  Broken:  Not Present:

UPS:  FED-EX:  USPS:  COURIER:  CLIENT:  OTHER:  FS:

# of Coolers: \_\_\_\_\_ Cooler ID: \_\_\_\_\_

Pace COC Revised





Sample Condition Upon Receipt

WO#: 2615879

Client Name: GA Power

PM: BM

Due Date: 03/18/19

CLIENT: GAPower-CCR

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used 082 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 1-1°C  
Temp should be above freezing to 6°C

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 3/9/19

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix: <u>W</u>			
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

March 18, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

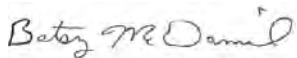
RE: Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615881

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 09, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2615881001	GWA-51RZ	Water	03/08/19 09:22	03/09/19 09:05
2615881002	GWA-53	Water	03/08/19 14:18	03/09/19 09:05
2615881003	GWA-55	Water	03/08/19 10:18	03/09/19 09:05
2615881004	GWC-24R	Water	03/08/19 12:18	03/09/19 09:05
2615881005	GWC-25R	Water	03/08/19 13:41	03/09/19 09:05
2615881006	FBL030819	Water	03/08/19 14:21	03/09/19 09:05
2615881007	EQBL030819	Water	03/08/19 14:24	03/09/19 09:05

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2615881001	GWA-51RZ	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2615881002	GWA-53	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2615881003	GWA-55	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2615881004	GWC-24R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2615881005	GWC-25R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2615881006	FBL030819	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2615881007	EQBL030819	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

Sample: <b>GWA-51RZ</b>		Lab ID: <b>2615881001</b>		Collected: 03/08/19 09:22		Received: 03/09/19 09:05		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 18:30	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 18:30	7440-38-2		
Barium	<b>0.015</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 18:30	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 18:30	7440-41-7		
Boron	<b>0.0085J</b>	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 18:30	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 18:30	7440-43-9		
Calcium	<b>46.6</b>	mg/L	25.0	0.69	50	03/13/19 10:50	03/14/19 18:35	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 18:30	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 18:30	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 18:30	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 18:30	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 18:30	7440-02-0		
Selenium	<b>0.0052J</b>	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 18:30	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 18:30	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 18:30	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 18:30	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 18:30	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:45	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>244</b>	mg/L	25.0	10.0	1		03/13/19 19:24			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>3.4</b>	mg/L	0.25	0.024	1		03/13/19 05:40	16887-00-6		
Fluoride	<b>0.075J</b>	mg/L	0.30	0.029	1		03/13/19 05:40	16984-48-8		
Sulfate	<b>23.6</b>	mg/L	1.0	0.017	1		03/13/19 05:40	14808-79-8		

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

Sample: GWA-53		Lab ID: 2615881002		Collected: 03/08/19 14:18		Received: 03/09/19 09:05		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 18:41	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 18:41	7440-38-2		
Barium	<b>0.012</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 18:41	7440-39-3		
Beryllium	<b>0.000057J</b>	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 18:41	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 18:41	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 18:41	7440-43-9		
Calcium	<b>25.9</b>	mg/L	25.0	0.69	50	03/13/19 10:50	03/14/19 18:47	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 18:41	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 18:41	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 18:41	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 18:41	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 18:41	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 18:41	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 18:41	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 18:41	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 18:41	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 18:41	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:47	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>143</b>	mg/L	25.0	10.0	1		03/13/19 19:24			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.7</b>	mg/L	0.25	0.024	1		03/13/19 06:03	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 06:03	16984-48-8		
Sulfate	<b>1.8</b>	mg/L	1.0	0.017	1		03/13/19 06:03	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

Sample: GWA-55		Lab ID: 2615881003		Collected: 03/08/19 10:18		Received: 03/09/19 09:05		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 18:53	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 18:53	7440-38-2		
Barium	<b>0.027</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 18:53	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 18:53	7440-41-7		
Boron	<b>0.0056J</b>	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 18:53	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 18:53	7440-43-9		
Calcium	<b>45.2</b>	mg/L	25.0	0.69	50	03/13/19 10:50	03/14/19 18:58	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 18:53	7440-47-3		
Cobalt	<b>0.0044J</b>	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 18:53	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 18:53	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 18:53	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 18:53	7440-02-0		
Selenium	<b>0.0026J</b>	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 18:53	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 18:53	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 18:53	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 18:53	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 18:53	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:49	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>248</b>	mg/L	25.0	10.0	1		03/13/19 19:24			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>3.4</b>	mg/L	0.25	0.024	1		03/13/19 06:25	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 06:25	16984-48-8		
Sulfate	<b>31.8</b>	mg/L	1.0	0.017	1		03/13/19 06:25	14808-79-8		

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

**Sample: GWC-24R**      **Lab ID: 2615881004**      Collected: 03/08/19 12:18      Received: 03/09/19 09:05      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B    Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 19:04	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 19:04	7440-38-2	
Barium	<b>0.020</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 19:04	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 19:04	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 19:04	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 19:04	7440-43-9	
Calcium	<b>28.8</b>	mg/L	25.0	0.69	50	03/13/19 10:50	03/14/19 19:10	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 19:04	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 19:04	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 19:04	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 19:04	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 19:04	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 19:04	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 19:04	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 19:04	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 19:04	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 19:04	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A    Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:52	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>164</b>	mg/L	25.0	10.0	1		03/13/19 19:24		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>2.6</b>	mg/L	0.25	0.024	1		03/13/19 06:48	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 06:48	16984-48-8	
Sulfate	<b>1.9</b>	mg/L	1.0	0.017	1		03/13/19 06:48	14808-79-8	

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

Sample: <b>GWC-25R</b>		Lab ID: <b>2615881005</b>		Collected: 03/08/19 13:41		Received: 03/09/19 09:05		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 19:16	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 19:16	7440-38-2		
Barium	<b>0.017</b>	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 19:16	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 19:16	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 19:16	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 19:16	7440-43-9		
Calcium	<b>33.1</b>	mg/L	25.0	0.69	50	03/13/19 10:50	03/14/19 19:21	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 19:16	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 19:16	7440-48-4		
Copper	<b>0.0018J</b>	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 19:16	7440-50-8		
Lead	<b>0.00035J</b>	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 19:16	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 19:16	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 19:16	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 19:16	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 19:16	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 19:16	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 19:16	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:54	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>155</b>	mg/L	25.0	10.0	1		03/13/19 19:24			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.8</b>	mg/L	0.25	0.024	1		03/13/19 07:11	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 07:11	16984-48-8		
Sulfate	<b>1.6</b>	mg/L	1.0	0.017	1		03/13/19 07:11	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

Sample: <b>FBL030819</b>		Lab ID: <b>2615881006</b>		Collected: 03/08/19 14:21	Received: 03/09/19 09:05	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 19:44	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 19:44	7440-38-2		
Barium	ND	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 19:44	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 19:44	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 19:44	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 19:44	7440-43-9		
Calcium	ND	mg/L	0.50	0.014	1	03/13/19 10:50	03/14/19 19:44	7440-70-2		
Chromium	<b>0.0026J</b>	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 19:44	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 19:44	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 19:44	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 19:44	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 19:44	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 19:44	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 19:44	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 19:44	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 19:44	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 19:44	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:57	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>21.0J</b>	mg/L	25.0	10.0	1		03/13/19 19:24			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>0.067J</b>	mg/L	0.25	0.024	1		03/13/19 09:04	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 09:04	16984-48-8		
Sulfate	ND	mg/L	1.0	0.017	1		03/13/19 09:04	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

**Sample: EQBL030819**      **Lab ID: 2615881007**      Collected: 03/08/19 14:24      Received: 03/09/19 09:05      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b> Analytical Method: EPA 6020B      Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00078	1	03/13/19 10:50	03/14/19 19:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/13/19 10:50	03/14/19 19:50	7440-38-2	
Barium	ND	mg/L	0.010	0.00078	1	03/13/19 10:50	03/14/19 19:50	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/13/19 10:50	03/14/19 19:50	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/13/19 10:50	03/14/19 19:50	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/13/19 10:50	03/14/19 19:50	7440-43-9	
Calcium	<b>0.015J</b>	mg/L	0.50	0.014	1	03/13/19 10:50	03/14/19 19:50	7440-70-2	
Chromium	<b>0.025</b>	mg/L	0.010	0.0016	1	03/13/19 10:50	03/14/19 19:50	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/13/19 10:50	03/14/19 19:50	7440-48-4	
Copper	<b>0.0013J</b>	mg/L	0.025	0.0013	1	03/13/19 10:50	03/14/19 19:50	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/13/19 10:50	03/14/19 19:50	7439-92-1	
Nickel	<b>0.0038J</b>	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 19:50	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/13/19 10:50	03/14/19 19:50	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/13/19 10:50	03/14/19 19:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/13/19 10:50	03/14/19 19:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/13/19 10:50	03/14/19 19:50	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/13/19 10:50	03/14/19 19:50	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.000036	1	03/13/19 08:25	03/13/19 12:59	7439-97-6	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C									
Total Dissolved Solids	<b>12.0J</b>	mg/L	25.0	10.0	1		03/13/19 19:24		
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Chloride	ND	mg/L	0.25	0.024	1		03/13/19 09:26	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		03/13/19 09:26	16984-48-8	
Sulfate	ND	mg/L	1.0	0.017	1		03/13/19 09:26	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

QC Batch: 24123

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Associated Lab Samples: 2615881001, 2615881002, 2615881003, 2615881004, 2615881005, 2615881006, 2615881007

METHOD BLANK: 108124

Matrix: Water

Associated Lab Samples: 2615881001, 2615881002, 2615881003, 2615881004, 2615881005, 2615881006, 2615881007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/13/19 11:53	

LABORATORY CONTROL SAMPLE: 108125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 108126 108127

Parameter	Units	2615876001 Result	MS		MSD		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result							
Mercury	mg/L	ND	0.0025	0.0025	0.0028	0.0026	111	103	75-125	8	20		

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

QC Batch: 24189 Analysis Method: EPA 6020B  
 QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
 Associated Lab Samples: 2615881001, 2615881002, 2615881003, 2615881004, 2615881005, 2615881006, 2615881007

METHOD BLANK: 108347 Matrix: Water  
 Associated Lab Samples: 2615881001, 2615881002, 2615881003, 2615881004, 2615881005, 2615881006, 2615881007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/14/19 14:01	
Arsenic	mg/L	ND	0.0050	0.00057	03/14/19 14:01	
Barium	mg/L	ND	0.010	0.00078	03/14/19 14:01	
Beryllium	mg/L	ND	0.0030	0.000050	03/14/19 14:01	
Boron	mg/L	ND	0.040	0.0039	03/14/19 14:01	
Cadmium	mg/L	ND	0.0010	0.000093	03/14/19 14:01	
Calcium	mg/L	ND	0.50	0.014	03/14/19 14:01	
Chromium	mg/L	ND	0.010	0.0016	03/14/19 14:01	
Cobalt	mg/L	ND	0.010	0.00052	03/14/19 14:01	
Copper	mg/L	ND	0.025	0.0013	03/14/19 14:01	
Lead	mg/L	ND	0.0050	0.00027	03/14/19 14:01	
Nickel	mg/L	ND	0.010	0.00095	03/14/19 14:01	
Selenium	mg/L	ND	0.010	0.0014	03/14/19 14:01	
Silver	mg/L	ND	0.010	0.00095	03/14/19 14:01	
Thallium	mg/L	ND	0.0010	0.00014	03/14/19 14:01	
Vanadium	mg/L	ND	0.010	0.0019	03/14/19 14:01	
Zinc	mg/L	ND	0.010	0.0021	03/14/19 14:01	

LABORATORY CONTROL SAMPLE: 108348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Calcium	mg/L	1	0.96	96	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.097	97	80-120	
Copper	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Nickel	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	
Vanadium	mg/L	0.1	0.099	99	80-120	
Zinc	mg/L	0.1	0.10	100	80-120	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

Parameter	Units	108349		108350		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		2615879006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	0	20	
Arsenic	mg/L	0.00085J	0.1	0.1	0.10	0.10	99	100	75-125	0	20	
Barium	mg/L	0.042	0.1	0.1	0.14	0.14	97	102	75-125	3	20	
Beryllium	mg/L	ND	0.1	0.1	0.095	0.098	95	98	75-125	3	20	
Boron	mg/L	0.020J	1	1	0.97	1.0	95	100	75-125	4	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20	
Calcium	mg/L	33.3	1	1	34.4	36.2	111	297	75-125	5	20	M6
Chromium	mg/L	ND	0.1	0.1	0.098	0.099	98	98	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20	
Copper	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20	
Lead	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20	
Nickel	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	2	20	
Silver	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Thallium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20	
Zinc	mg/L	ND	0.1	0.1	0.098	0.097	97	96	75-125	2	20	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

QC Batch: 24220

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Associated Lab Samples: 2615881001, 2615881002, 2615881003, 2615881004, 2615881005, 2615881006, 2615881007

LABORATORY CONTROL SAMPLE: 108435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	401	100	84-108	

SAMPLE DUPLICATE: 108436

Parameter	Units	2615740001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	19000	18800	1	10	

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615881

QC Batch: 24135 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2615881001, 2615881002, 2615881003, 2615881004, 2615881005, 2615881006, 2615881007

METHOD BLANK: 108159 Matrix: Water  
Associated Lab Samples: 2615881001, 2615881002, 2615881003, 2615881004, 2615881005, 2615881006, 2615881007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.024	03/12/19 21:45	
Fluoride	mg/L	ND	0.30	0.029	03/12/19 21:45	
Sulfate	mg/L	ND	1.0	0.017	03/12/19 21:45	

LABORATORY CONTROL SAMPLE: 108160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.5	95	90-110	
Fluoride	mg/L	10	9.5	95	90-110	
Sulfate	mg/L	10	9.1	91	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 108161 108162

Parameter	Units	2615876001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	31.1	10	10	34.9	35.0	38	39	90-110	0	15	M1
Fluoride	mg/L	0.88	10	10	10.0	10.1	92	92	90-110	1	15	
Sulfate	mg/L	209	10	10	192	193	-162	-159	90-110	0	15	E

MATRIX SPIKE SAMPLE: 108163

Parameter	Units	2615876002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	0.071J	10	9.7	96	90-110	
Fluoride	mg/L	ND	10	9.6	96	90-110	
Sulfate	mg/L	ND	10	9.2	92	90-110	

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## QUALIFIERS

Project: Plant Bowen Cells 3+4

Pace Project No.: 2615881

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: Plant Bowen Cells 3+4  
Pace Project No.: 2615881

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2615881001	GWA-51RZ	EPA 3005A	24189	EPA 6020B	24210
2615881002	GWA-53	EPA 3005A	24189	EPA 6020B	24210
2615881003	GWA-55	EPA 3005A	24189	EPA 6020B	24210
2615881004	GWC-24R	EPA 3005A	24189	EPA 6020B	24210
2615881005	GWC-25R	EPA 3005A	24189	EPA 6020B	24210
2615881006	FBL030819	EPA 3005A	24189	EPA 6020B	24210
2615881007	EQBL030819	EPA 3005A	24189	EPA 6020B	24210
2615881001	GWA-51RZ	EPA 7470A	24123	EPA 7470A	24183
2615881002	GWA-53	EPA 7470A	24123	EPA 7470A	24183
2615881003	GWA-55	EPA 7470A	24123	EPA 7470A	24183
2615881004	GWC-24R	EPA 7470A	24123	EPA 7470A	24183
2615881005	GWC-25R	EPA 7470A	24123	EPA 7470A	24183
2615881006	FBL030819	EPA 7470A	24123	EPA 7470A	24183
2615881007	EQBL030819	EPA 7470A	24123	EPA 7470A	24183
2615881001	GWA-51RZ	SM 2540C	24220		
2615881002	GWA-53	SM 2540C	24220		
2615881003	GWA-55	SM 2540C	24220		
2615881004	GWC-24R	SM 2540C	24220		
2615881005	GWC-25R	SM 2540C	24220		
2615881006	FBL030819	SM 2540C	24220		
2615881007	EQBL030819	SM 2540C	24220		
2615881001	GWA-51RZ	EPA 300.0	24135		
2615881002	GWA-53	EPA 300.0	24135		
2615881003	GWA-55	EPA 300.0	24135		
2615881004	GWC-24R	EPA 300.0	24135		
2615881005	GWC-25R	EPA 300.0	24135		
2615881006	FBL030819	EPA 300.0	24135		
2615881007	EQBL030819	EPA 300.0	24135		

**REPORT OF LABORATORY ANALYSIS**

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Sample Condition Upon Receipt

WO#: 2615881

Client Name: GA Power

PM: BM

Due Date: 03/18/19

CLIENT: GAPower-CCR

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used 082 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 1-1°C Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 3/9/19

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix:	<u>W</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

March 20, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

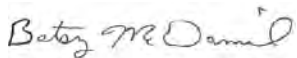
RE: Project: Plant Bowen Cells  
Pace Project No.: 2615967

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 12, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen Cells

Pace Project No.: 2615967

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen Cells

Pace Project No.: 2615967

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2615967001	GWC-16R	Water	03/11/19 11:48	03/12/19 17:10
2615967002	GWC-22R	Water	03/11/19 11:13	03/12/19 17:10
2615967003	GWC-21R	Water	03/11/19 15:10	03/12/19 17:10
2615967004	Dup-2	Water	03/11/19 00:00	03/12/19 17:10

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen Cells  
Pace Project No.: 2615967

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2615967001	GWC-16R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2615967002	GWC-22R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2615967003	GWC-21R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2615967004	Dup-2	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells

Pace Project No.: 2615967

Sample: GWC-16R		Lab ID: 2615967001		Collected: 03/11/19 11:48		Received: 03/12/19 17:10		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	0.020	mg/L	0.0030	0.00078	1	03/14/19 14:26	03/15/19 18:49	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/14/19 14:26	03/15/19 18:49	7440-38-2		
Barium	0.044	mg/L	0.010	0.00078	1	03/14/19 14:26	03/15/19 18:49	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/14/19 14:26	03/15/19 18:49	7440-41-7		
Boron	0.013J	mg/L	0.040	0.0039	1	03/14/19 14:26	03/15/19 18:49	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/14/19 14:26	03/15/19 18:49	7440-43-9		
Calcium	63.8	mg/L	25.0	0.69	50	03/14/19 14:26	03/15/19 18:55	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/14/19 14:26	03/15/19 18:49	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/14/19 14:26	03/15/19 18:49	7440-48-4		
Copper	0.0018J	mg/L	0.025	0.0013	1	03/14/19 14:26	03/15/19 18:49	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/14/19 14:26	03/15/19 18:49	7439-92-1		
Nickel	0.0079J	mg/L	0.010	0.00095	1	03/14/19 14:26	03/15/19 18:49	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/14/19 14:26	03/15/19 18:49	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/14/19 14:26	03/15/19 18:49	7440-22-4		
Thallium	0.00026J	mg/L	0.0010	0.00014	1	03/14/19 14:26	03/15/19 18:49	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/14/19 14:26	03/15/19 18:49	7440-62-2		
Zinc	0.024	mg/L	0.010	0.0021	1	03/14/19 14:26	03/15/19 18:49	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/15/19 12:10	03/15/19 17:16	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	344	mg/L	25.0	10.0	1		03/18/19 16:56			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	2.4	mg/L	0.25	0.024	1		03/15/19 21:25	16887-00-6		
Fluoride	0.23J	mg/L	0.30	0.029	1		03/15/19 21:25	16984-48-8		
Sulfate	11.0	mg/L	1.0	0.017	1		03/15/19 21:25	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells

Pace Project No.: 2615967

Sample: GWC-22R		Lab ID: 2615967002		Collected: 03/11/19 11:13		Received: 03/12/19 17:10		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/14/19 14:26	03/15/19 19:01	7440-36-0		
Arsenic	<b>0.00099J</b>	mg/L	0.0050	0.00057	1	03/14/19 14:26	03/15/19 19:01	7440-38-2		
Barium	<b>0.048</b>	mg/L	0.010	0.00078	1	03/14/19 14:26	03/15/19 19:01	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/14/19 14:26	03/15/19 19:01	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/14/19 14:26	03/15/19 19:01	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/14/19 14:26	03/15/19 19:01	7440-43-9		
Calcium	<b>33.9</b>	mg/L	25.0	0.69	50	03/14/19 14:26	03/15/19 19:06	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/14/19 14:26	03/15/19 19:01	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/14/19 14:26	03/15/19 19:01	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/14/19 14:26	03/15/19 19:01	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/14/19 14:26	03/15/19 19:01	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/14/19 14:26	03/15/19 19:01	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/14/19 14:26	03/15/19 19:01	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/14/19 14:26	03/15/19 19:01	7440-22-4		
Thallium	<b>0.00015J</b>	mg/L	0.0010	0.00014	1	03/14/19 14:26	03/15/19 19:01	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/14/19 14:26	03/15/19 19:01	7440-62-2		
Zinc	<b>0.0021J</b>	mg/L	0.010	0.0021	1	03/14/19 14:26	03/15/19 19:01	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/15/19 12:10	03/15/19 17:38	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>166</b>	mg/L	25.0	10.0	1		03/13/19 19:24			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>3.2</b>	mg/L	0.25	0.024	1		03/18/19 17:56	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/18/19 17:56	16984-48-8		
Sulfate	<b>2.0</b>	mg/L	1.0	0.017	1		03/18/19 17:56	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells

Pace Project No.: 2615967

Sample: <b>GWC-21R</b>		Lab ID: <b>2615967003</b>		Collected: 03/11/19 15:10		Received: 03/12/19 17:10		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	<b>0.0029J</b>	mg/L	0.0030	0.00078	1	03/14/19 14:26	03/15/19 19:12	7440-36-0	
Arsenic	<b>0.0038J</b>	mg/L	0.0050	0.00057	1	03/14/19 14:26	03/15/19 19:12	7440-38-2	
Barium	<b>0.015</b>	mg/L	0.010	0.00078	1	03/14/19 14:26	03/15/19 19:12	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/14/19 14:26	03/15/19 19:12	7440-41-7	
Boron	<b>0.0050J</b>	mg/L	0.040	0.0039	1	03/14/19 14:26	03/15/19 19:12	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/14/19 14:26	03/15/19 19:12	7440-43-9	
Calcium	<b>67.1</b>	mg/L	25.0	0.69	50	03/14/19 14:26	03/15/19 19:18	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/14/19 14:26	03/15/19 19:12	7440-47-3	
Cobalt	<b>0.00056J</b>	mg/L	0.010	0.00052	1	03/14/19 14:26	03/15/19 19:12	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/14/19 14:26	03/15/19 19:12	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/14/19 14:26	03/15/19 19:12	7439-92-1	
Nickel	<b>0.0012J</b>	mg/L	0.010	0.00095	1	03/14/19 14:26	03/15/19 19:12	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/14/19 14:26	03/15/19 19:12	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/14/19 14:26	03/15/19 19:12	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/14/19 14:26	03/15/19 19:12	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/14/19 14:26	03/15/19 19:12	7440-62-2	
Zinc	<b>0.0034J</b>	mg/L	0.010	0.0021	1	03/14/19 14:26	03/15/19 19:12	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.000036	1	03/15/19 12:10	03/15/19 17:40	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>311</b>	mg/L	25.0	10.0	1		03/18/19 16:59		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>4.2</b>	mg/L	0.25	0.024	1		03/15/19 22:10	16887-00-6	
Fluoride	<b>0.51</b>	mg/L	0.30	0.029	1		03/15/19 22:10	16984-48-8	
Sulfate	<b>3.4</b>	mg/L	1.0	0.017	1		03/15/19 22:10	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen Cells  
Pace Project No.: 2615967

Sample: Dup-2		Lab ID: 2615967004		Collected: 03/11/19 00:00		Received: 03/12/19 17:10		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/14/19 14:26	03/15/19 19:24	7440-36-0		
Arsenic	<b>0.00075J</b>	mg/L	0.0050	0.00057	1	03/14/19 14:26	03/15/19 19:24	7440-38-2		
Barium	<b>0.048</b>	mg/L	0.010	0.00078	1	03/14/19 14:26	03/15/19 19:24	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/14/19 14:26	03/15/19 19:24	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/14/19 14:26	03/15/19 19:24	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/14/19 14:26	03/15/19 19:24	7440-43-9		
Calcium	<b>33.9</b>	mg/L	25.0	0.69	50	03/14/19 14:26	03/15/19 19:29	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/14/19 14:26	03/15/19 19:24	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/14/19 14:26	03/15/19 19:24	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/14/19 14:26	03/15/19 19:24	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/14/19 14:26	03/15/19 19:24	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/14/19 14:26	03/15/19 19:24	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/14/19 14:26	03/15/19 19:24	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/14/19 14:26	03/15/19 19:24	7440-22-4		
Thallium	<b>0.00015J</b>	mg/L	0.0010	0.00014	1	03/14/19 14:26	03/15/19 19:24	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/14/19 14:26	03/15/19 19:24	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/14/19 14:26	03/15/19 19:24	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/15/19 12:10	03/15/19 17:43	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>165</b>	mg/L	25.0	10.0	1		03/18/19 16:59			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>3.2</b>	mg/L	0.25	0.024	1		03/15/19 22:33	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/15/19 22:33	16984-48-8		
Sulfate	<b>1.9</b>	mg/L	1.0	0.017	1		03/15/19 22:33	14808-79-8		

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells  
Pace Project No.: 2615967

QC Batch: 24380 Analysis Method: EPA 7470A  
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
Associated Lab Samples: 2615967001, 2615967002, 2615967003, 2615967004

METHOD BLANK: 109357 Matrix: Water  
Associated Lab Samples: 2615967001, 2615967002, 2615967003, 2615967004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/15/19 17:12	

LABORATORY CONTROL SAMPLE: 109358

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 109378 109379

Parameter	Units	2615967001		2615967002		2615967003		2615967004		% Rec Limits	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.			
Mercury	mg/L	ND	0.0025	0.0025	0.0025	0.0026	100	102	75-125	3	20	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells  
Pace Project No.: 2615967

QC Batch: 24312 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2615967001, 2615967002, 2615967003, 2615967004

METHOD BLANK: 108896 Matrix: Water  
Associated Lab Samples: 2615967001, 2615967002, 2615967003, 2615967004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/15/19 18:30	
Arsenic	mg/L	ND	0.0050	0.00057	03/15/19 18:30	
Barium	mg/L	ND	0.010	0.00078	03/15/19 18:30	
Beryllium	mg/L	ND	0.0030	0.000050	03/15/19 18:30	
Boron	mg/L	ND	0.040	0.0039	03/15/19 18:30	
Cadmium	mg/L	ND	0.0010	0.000093	03/15/19 18:30	
Calcium	mg/L	ND	0.50	0.014	03/15/19 18:30	
Chromium	mg/L	ND	0.010	0.0016	03/15/19 18:30	
Cobalt	mg/L	ND	0.010	0.00052	03/15/19 18:30	
Copper	mg/L	ND	0.025	0.0013	03/15/19 18:30	
Lead	mg/L	ND	0.0050	0.00027	03/15/19 18:30	
Nickel	mg/L	ND	0.010	0.00095	03/15/19 18:30	
Selenium	mg/L	ND	0.010	0.0014	03/15/19 18:30	
Silver	mg/L	ND	0.010	0.00095	03/15/19 18:30	
Thallium	mg/L	ND	0.0010	0.00014	03/15/19 18:30	
Vanadium	mg/L	ND	0.010	0.0019	03/15/19 18:30	
Zinc	mg/L	ND	0.010	0.0021	03/15/19 18:30	

LABORATORY CONTROL SAMPLE: 108897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	110	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	104	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	0.1	0.10	102	80-120	
Calcium	mg/L	1	1.0	103	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	102	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.11	107	80-120	
Silver	mg/L	0.1	0.11	107	80-120	
Thallium	mg/L	0.1	0.10	103	80-120	
Vanadium	mg/L	0.1	0.10	105	80-120	
Zinc	mg/L	0.1	0.10	104	80-120	

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**QUALITY CONTROL DATA**

Project: Plant Bowen Cells

Pace Project No.: 2615967

Parameter	Units	2616034004		108898		108899		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	112	109	75-125	2	20			
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20			
Barium	mg/L	0.029	0.1	0.1	0.13	0.13	106	102	75-125	3	20			
Beryllium	mg/L	0.0024J	0.1	0.1	0.098	0.098	95	95	75-125	0	20			
Boron	mg/L	1.5	1	1	2.5	2.5	100	103	75-125	1	20			
Cadmium	mg/L	0.0024	0.1	0.1	0.10	0.11	102	103	75-125	1	20			
Calcium	mg/L	54.3	1	1	54.7	56.0	38	170	75-125	2	20	M6		
Chromium	mg/L	ND	0.1	0.1	0.095	0.097	95	97	75-125	2	20			
Cobalt	mg/L	0.062	0.1	0.1	0.16	0.16	99	95	75-125	2	20			
Copper	mg/L	ND	0.1	0.1	0.097	0.098	96	97	75-125	1	20			
Lead	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	2	20			
Nickel	mg/L	0.021	0.1	0.1	0.12	0.12	95	96	75-125	1	20			
Selenium	mg/L	ND	0.1	0.1	0.11	0.10	104	102	75-125	2	20			
Silver	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20			
Thallium	mg/L	0.00025J	0.1	0.1	0.098	0.098	98	98	75-125	0	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20			
Zinc	mg/L	0.041	0.1	0.1	0.14	0.14	100	100	75-125	1	20			

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**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells

Pace Project No.: 2615967

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QC Batch:	24220	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	2615967002		

---

LABORATORY CONTROL SAMPLE: 108435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	401	100	84-108	

---

SAMPLE DUPLICATE: 108436

Parameter	Units	2615740001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	19000	18800	1	10	

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### REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: Plant Bowen Cells

Pace Project No.: 2615967

QC Batch: 24469 Analysis Method: SM 2540C

QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids

Associated Lab Samples: 2615967001, 2615967003, 2615967004

LABORATORY CONTROL SAMPLE: 109884

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	423	106	84-108	

SAMPLE DUPLICATE: 109885

Parameter	Units	2615967001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	344	337	2	10	

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**QUALITY CONTROL DATA**

Project: Plant Bowen Cells

Pace Project No.: 2615967

QC Batch: 24393 Analysis Method: EPA 300.0  
 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
 Associated Lab Samples: 2615967001, 2615967002, 2615967003, 2615967004

METHOD BLANK: 109447 Matrix: Water  
 Associated Lab Samples: 2615967001, 2615967002, 2615967003, 2615967004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.024	03/15/19 15:00	
Fluoride	mg/L	ND	0.30	0.029	03/15/19 15:00	
Sulfate	mg/L	ND	1.0	0.017	03/15/19 15:00	

LABORATORY CONTROL SAMPLE: 109448

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.7	97	90-110	
Fluoride	mg/L	10	9.8	98	90-110	
Sulfate	mg/L	10	9.1	91	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 109449 109450

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		2615793001 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Chloride	mg/L	108	10	10	79.3	79.2	-292	-293	90-110	0	15	E,M1	
Fluoride	mg/L	1.1	10	10	9.3	9.2	82	81	90-110	0	15	M1	
Sulfate	mg/L	62.2	10	10	65.1	65.0	30	29	90-110	0	15	E,M1	

MATRIX SPIKE SAMPLE: 109451

Parameter	Units	2615795001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	77.4	20	81.9	22	90-110	M1
Fluoride	mg/L	1.4	20	24.8	117	90-110	M1
Sulfate	mg/L	1500	20	1370	-636	90-110	E,M1

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## QUALIFIERS

Project: Plant Bowen Cells

Pace Project No.: 2615967

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen Cells  
Pace Project No.: 2615967

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2615967001	GWC-16R	EPA 3005A	24312	EPA 6020B	24340
2615967002	GWC-22R	EPA 3005A	24312	EPA 6020B	24340
2615967003	GWC-21R	EPA 3005A	24312	EPA 6020B	24340
2615967004	Dup-2	EPA 3005A	24312	EPA 6020B	24340
2615967001	GWC-16R	EPA 7470A	24380	EPA 7470A	24416
2615967002	GWC-22R	EPA 7470A	24380	EPA 7470A	24416
2615967003	GWC-21R	EPA 7470A	24380	EPA 7470A	24416
2615967004	Dup-2	EPA 7470A	24380	EPA 7470A	24416
2615967001	GWC-16R	SM 2540C	24469		
2615967002	GWC-22R	SM 2540C	24220		
2615967003	GWC-21R	SM 2540C	24469		
2615967004	Dup-2	SM 2540C	24469		
2615967001	GWC-16R	EPA 300.0	24393		
2615967002	GWC-22R	EPA 300.0	24393		
2615967003	GWC-21R	EPA 300.0	24393		
2615967004	Dup-2	EPA 300.0	24393		

### REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b>		<b>Section B</b>		<b>Section C</b>	
<b>Required Client Information:</b>		<b>Required Project Information:</b>		<b>Invoice Information:</b>	
Company: Georgia Power - Coal Combustion Residuals		Report To: Jolu Abraham		Attention: scsinvoices@southernco.com	
Address: 2480 Manier Road		Copy To: Wood Environmental		Company Name:	
Atlanta, GA 30339		Purchase Order #: SCS10348606		Address:	
Email: jabraham@southernco.com		Project Name: Plant Bowen Cells - State List		Pace Quote:	
Phone: (404)505-7239		Project #: _____		Pace Project Manager: betsy.mcdaniel@paceclabs.com	
Requested Due Date: _____		Matrix Code (see valid codes to left)		Pace Profile #: 317.5	
Regulatory Agency: _____		State / Location: GA		Requested Analysis Filtered (Y/N)	

ITEM #	MATRIX	CODE	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analyses Test	TDS, Cl, F, SO4	Metals 6020 *	Residual Chlorine (Y/N)	Received on	Temp in C	Ice (Y/N)	Custody	Sealed Cooler (Y/N)	Samples Intact (Y/N)	
			START	END																
			DATE	TIME																
1	Drinking Water	DW	3/11/19	1148	3-12-19	1346	2	H2SO4	1	1	1	1								
2	Water	WT	3/11/19	1113			2	HNO3	1	1	1	1								
3	Waste Water	WW	3/11/19	1510			2	HCl	1	1	1	1								
4	Product	P	3/11/19				2	Unpreserved	1	1	1	1								
5	Soil/Solid	SL						NaOH												
6	Oil	OL						Na2S2O3												
7	Wipe	WP						HCl												
8	Air	AR						HNO3												
9	Other	OT																		
10	Tissue	TS																		
11																				
12																				

<b>ADDITIONAL COMMENTS</b>				<b>RELINQUISHED BY / AFFILIATION</b>				<b>ACCEPTED BY / AFFILIATION</b>				<b>DATE</b>				<b>TIME</b>				<b>SAMPLE CONDITIONS</b>											
[Handwritten Signature]												Pace				3/12/19				1346				2/12/19				1346			
[Handwritten Signature]												Charles Fuchs				3/12/19				1710				027 Y NY							

<b>SAMPLER NAME AND SIGNATURE</b>		PRINT Name of SAMPLER: Robert Mull / Maria Fay	DATE Signed: 3/11/19
<b>SAMPLER NAME AND SIGNATURE</b>		SIGNATURE of SAMPLER: [Handwritten Signature]	DATE Signed: 3/11/19

WO#: 2615967





Sample Condition Upon Receipt

WO#: 2615967

Client Name: GA Power

PM: BM

Due Date: 03/20/19

CLIENT: GAPower-CCR

Courier: [ ] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Commercial [x] Pace Other
Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present: [ ] yes [x] no Seals intact: [ ] yes [ ] no

Packing Material: [ ] Bubble Wrap [ ] Bubble Bags [ ] None [ ] Other

Thermometer Used 082 Type of Ice: [x] Wet [ ] Blue [ ] None [ ] Samples on ice, cooling process has begun

Cooler Temperature 10.2°C Biological Tissue is Frozen: Yes No
Temp should be above freezing to 6°C

Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: 3/12/19 GJH

Table with 16 rows of inspection items and checkboxes. Items include Chain of Custody Present, Chain of Custody Filled Out, Chain of Custody Relinquished, Sampler Name & Signature on COC, Samples Arrived within Hold Time, Short Hold Time Analysis (<72hr), Rush Turn Around Time Requested, Sufficient Volume, Correct Containers Used, Containers Intact, Filtered volume received for Dissolved tests, Sample Labels match COC, All containers needing preservation have been checked, All containers needing preservation are found to be in compliance with EPA recommendation, exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Samples checked for dechlorination, Headspace in VOA Vials (>6mm), Trip Blank Present, Trip Blank Custody Seals Present, Pace Trip Blank Lot # (if purchased).

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_
Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

June 21, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

RE: Project: Plant Bowen Cells  
Pace Project No.: 2619873

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen Cells

Pace Project No.: 2619873

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen Cells

Pace Project No.: 2619873

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
2619873001	GWC-21R	Water	06/18/19 13:25	06/19/19 11:20
2619873002	FBL-061819	Water	06/18/19 15:35	06/19/19 11:20

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen Cells

Pace Project No.: 2619873

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
2619873001	GWC-21R	EPA 300.0	MWB	1
2619873002	FBL-061819	EPA 300.0	MWB	1

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells

Pace Project No.: 2619873

Sample: GWC-21R		Lab ID: 2619873001		Collected: 06/18/19 13:25	Received: 06/19/19 11:20	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Fluoride	ND	mg/L	0.30	0.029	1		06/20/19 15:28	16984-48-8	

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### ANALYTICAL RESULTS

Project: Plant Bowen Cells

Pace Project No.: 2619873

Sample: <b>FBL-061819</b>		Lab ID: <b>2619873002</b>		Collected: 06/18/19 15:35	Received: 06/19/19 11:20	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Fluoride	ND	mg/L	0.30	0.029	1		06/20/19 15:50	16984-48-8	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen Cells

Pace Project No.: 2619873

QC Batch: 30603 Analysis Method: EPA 300.0  
 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
 Associated Lab Samples: 2619873001, 2619873002

METHOD BLANK: 137790 Matrix: Water

Associated Lab Samples: 2619873001, 2619873002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Fluoride	mg/L	ND	0.30	0.029	06/20/19 03:46	

LABORATORY CONTROL SAMPLE: 137791

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 137792 137793

Parameter	Units	2619806001		2619806002		2619806003		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.				
Fluoride	mg/L	1.2	10	10	10.2	10.3	90	91	90-110	1	15

MATRIX SPIKE SAMPLE: 137794

Parameter	Units	2619806002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	0.97	10	10.3	93	90-110	

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## QUALIFIERS

Project: Plant Bowen Cells  
Pace Project No.: 2619873

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: Plant Bowen Cells  
Pace Project No.: 2619873

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2619873001	GWC-21R	EPA 300.0	30603		
2619873002	FBL-061819	EPA 300.0	30603		

**REPORT OF LABORATORY ANALYSIS**

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b>		<b>Section B</b>		<b>Section C</b>	
<b>Required Client Information:</b>					
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Juju Abraham	Attention:	
Address:	2480 Manor Road Alliantia, GA 30339	Copy To:	Geoymtee Wood Environmental	Company Name:	
Email:	jabraham@southemco.com	Purchase Order #:	SCS10348606	Address:	
Phone:	(404)506-7239	Project Name:	Plant Bowen Ash-Pond Cells	Pace Project Manager:	
Requested Due Date:		Project #:		Pace Profile #: 315	
			Regulatory Agency:		
			State/Location:		
			GA		

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	# OF CONTAINERS	Preservatives								Analyses Test				Requested Analysis Filtered (Y/N)	Received on	Temp in C	Intact Samples (Y/N)	Cooler Sealed (Y/N)	Custody (Y/N)														
			Date	Time			H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	TDS, Cl, F, SO4	Metals 6020 App. III	Metals 6020/470 App. IV (List)	Radium 226, 228	Residual Chlorine (Y/N)																				
1	Drinking Water	DW	6/18/19	1325	G	1	X									X	Fluoride Only																					
2	Waste Water	WT	6/18/19	1535	G	1	X									X																						
3	Waste Water	WW																																				
4	Product	P																																				
5	Soft/Solid	SL																																				
6	Oil	OL																																				
7	Wine	WP																																				
8	Air	AR																																				
9	Other	OT																																				
10	Tissue	TS																																				
11																																						
12																																						

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Audrey Crafton	6/19/19	1120	Charles Frank	6/19/19	1120
ADDITIONAL COMMENTS: App. IV Parameters: As, Ba, Be, Cd, Co, Cr, Hg, Li, Mo, Pb, Se, Tl, Only					

**WO# : 2619873**



SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Audrey Crafton

SIGNATURE of SAMPLER: *Audrey Crafton*

DATE Signed: 6/18/19



Sample Condition Upon Receipt

WO#: 2619873

Client Name: CA Power CCR

PM: BM Due Date: 06/26/19 CLIENT: GAPower-CCR

Courier: [ ] Fed Ex [ ] UPS [ ] USPS [x] Client [ ] Commercial [ ] Pace Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present: [x] yes [ ] no Seals intact: [x] yes [ ] no

Options: [ ] Proj. Due Date: [ ] Proj. Name: [ ]

Packing Material: [ ] Bubble Wrap [ ] Bubble Bags [x] None [ ] Other

Thermometer Used 082 Type of Ice: [x] Wet Blue None [ ] Samples on ice, cooling process has begun

Cooler Temperature 7.1°C Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 6/19/19 [initials]

Table with 16 rows of checklist items (Chain of Custody Present, Filled Out, Relinquished, etc.) and checkboxes for Yes, No, N/A.

Client Notification/ Resolution: Field Data Required? Y / N Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

March 27, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

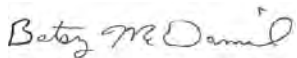
RE: Project: Plant Bowen cells 3+4  
Pace Project No.: 2616191

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 15, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2616191001	GWC-17R	Water	03/12/19 15:26	03/15/19 15:40
2616191002	GWC-18	Water	03/12/19 12:51	03/15/19 15:40
2616191003	GWC-18R	Water	03/12/19 11:53	03/15/19 15:40
2616191004	GWC-19R	Water	03/12/19 12:30	03/15/19 15:40
2616191005	GWC-20R	Water	03/12/19 10:41	03/15/19 15:40
2616191006	GWC-23R	Water	03/12/19 11:20	03/15/19 15:40
2616191007	GWA-53R	Water	03/12/19 10:08	03/15/19 15:40
2616191008	FBL031219-1	Water	03/12/19 13:43	03/15/19 15:40
2616191009	EQBL031219-1	Water	03/12/19 13:46	03/15/19 15:40
2616191010	FBL031219-2	Water	03/12/19 13:53	03/15/19 15:40
2616191011	EQBL031219-2	Water	03/12/19 14:11	03/15/19 15:40
2616191012	Dup-3	Water	03/12/19 00:00	03/15/19 15:40

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2616191001	GWC-17R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616191002	GWC-18	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616191003	GWC-18R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616191004	GWC-19R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616191005	GWC-20R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616191006	GWC-23R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616191007	GWA-53R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616191008	FBL031219-1	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616191009	EQBL031219-1	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616191010	FBL031219-2	EPA 6020B	CSW	17

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2616191011	EQBL031219-2	EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
		EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
2616191012	Dup-3	EPA 300.0	RLC	3
		EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Sample: GWC-17R		Lab ID: 2616191001		Collected: 03/12/19 15:26		Received: 03/15/19 15:40		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00078	1	03/19/19 12:14	03/21/19 17:09	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/19/19 12:14	03/21/19 17:09	7440-38-2	
Barium	<b>0.021</b>	mg/L	0.010	0.00078	1	03/19/19 12:14	03/21/19 17:09	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/19/19 12:14	03/21/19 17:09	7440-41-7	
Boron	<b>0.0099J</b>	mg/L	0.040	0.0039	1	03/19/19 12:14	03/21/19 17:09	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/19/19 12:14	03/21/19 17:09	7440-43-9	
Calcium	<b>65.3</b>	mg/L	25.0	0.69	50	03/19/19 12:14	03/21/19 17:15	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/19/19 12:14	03/21/19 17:09	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/19/19 12:14	03/21/19 17:09	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/19/19 12:14	03/21/19 17:09	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/19/19 12:14	03/21/19 17:09	7439-92-1	
Nickel	<b>0.0010J</b>	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 17:09	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/19/19 12:14	03/21/19 17:09	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 17:09	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/19/19 12:14	03/21/19 17:09	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/19/19 12:14	03/21/19 17:09	7440-62-2	
Zinc	<b>0.0038J</b>	mg/L	0.010	0.0021	1	03/19/19 12:14	03/21/19 17:09	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 13:52	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>306</b>	mg/L	25.0	10.0	1		03/23/19 19:12		H5
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>6.9</b>	mg/L	0.25	0.024	1		03/22/19 04:00	16887-00-6	
Fluoride	<b>0.056J</b>	mg/L	0.30	0.029	1		03/22/19 04:00	16984-48-8	
Sulfate	<b>25.9</b>	mg/L	1.0	0.017	1		03/22/19 04:00	14808-79-8	

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Sample: GWC-18		Lab ID: 2616191002		Collected: 03/12/19 12:51		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/19/19 12:14	03/21/19 17:21	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/19/19 12:14	03/21/19 17:21	7440-38-2		
Barium	<b>0.014</b>	mg/L	0.010	0.00078	1	03/19/19 12:14	03/21/19 17:21	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/19/19 12:14	03/21/19 17:21	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/19/19 12:14	03/21/19 17:21	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/19/19 12:14	03/21/19 17:21	7440-43-9		
Calcium	<b>23.2J</b>	mg/L	25.0	0.69	50	03/19/19 12:14	03/21/19 17:27	7440-70-2	D3	
Chromium	<b>0.0020J</b>	mg/L	0.010	0.0016	1	03/19/19 12:14	03/21/19 17:21	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/19/19 12:14	03/21/19 17:21	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/19/19 12:14	03/21/19 17:21	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/19/19 12:14	03/21/19 17:21	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 17:21	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/19/19 12:14	03/21/19 17:21	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 17:21	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/19/19 12:14	03/21/19 17:21	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/19/19 12:14	03/21/19 17:21	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/19/19 12:14	03/21/19 17:21	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 13:54	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>135</b>	mg/L	25.0	10.0	1		03/23/19 19:12		H5	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.8</b>	mg/L	0.25	0.024	1		03/22/19 04:23	16887-00-6		
Fluoride	<b>0.050J</b>	mg/L	0.30	0.029	1		03/22/19 04:23	16984-48-8		
Sulfate	<b>2.3</b>	mg/L	1.0	0.017	1		03/22/19 04:23	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Sample: GWC-18R		Lab ID: 2616191003		Collected: 03/12/19 11:53		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	<b>0.00091J</b>	mg/L	0.0030	0.00078	1	03/19/19 12:14	03/21/19 17:32	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/19/19 12:14	03/21/19 17:32	7440-38-2		
Barium	<b>0.014</b>	mg/L	0.010	0.00078	1	03/19/19 12:14	03/21/19 17:32	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/19/19 12:14	03/21/19 17:32	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/19/19 12:14	03/21/19 17:32	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/19/19 12:14	03/21/19 17:32	7440-43-9		
Calcium	<b>28.6</b>	mg/L	25.0	0.69	50	03/19/19 12:14	03/21/19 17:38	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/19/19 12:14	03/21/19 17:32	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/19/19 12:14	03/21/19 17:32	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/19/19 12:14	03/21/19 17:32	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/19/19 12:14	03/21/19 17:32	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 17:32	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/19/19 12:14	03/21/19 17:32	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 17:32	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/19/19 12:14	03/21/19 17:32	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/19/19 12:14	03/21/19 17:32	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/19/19 12:14	03/21/19 17:32	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 13:56	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>143</b>	mg/L	25.0	10.0	1		03/19/19 17:54		1A, L1	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>3.3</b>	mg/L	0.25	0.024	1		03/22/19 04:46	16887-00-6		
Fluoride	<b>0.042J</b>	mg/L	0.30	0.029	1		03/22/19 04:46	16984-48-8		
Sulfate	<b>2.6</b>	mg/L	1.0	0.017	1		03/22/19 04:46	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Sample: GWC-19R		Lab ID: 2616191004		Collected: 03/12/19 12:30		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/19/19 12:14	03/21/19 17:44	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/19/19 12:14	03/21/19 17:44	7440-38-2		
Barium	<b>0.016</b>	mg/L	0.010	0.00078	1	03/19/19 12:14	03/21/19 17:44	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/19/19 12:14	03/21/19 17:44	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/19/19 12:14	03/21/19 17:44	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/19/19 12:14	03/21/19 17:44	7440-43-9		
Calcium	<b>31.1</b>	mg/L	25.0	0.69	50	03/19/19 12:14	03/21/19 17:50	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/19/19 12:14	03/21/19 17:44	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/19/19 12:14	03/21/19 17:44	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/19/19 12:14	03/21/19 17:44	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/19/19 12:14	03/21/19 17:44	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 17:44	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/19/19 12:14	03/21/19 17:44	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 17:44	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/19/19 12:14	03/21/19 17:44	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/19/19 12:14	03/21/19 17:44	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/19/19 12:14	03/21/19 17:44	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 13:59	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>156</b>	mg/L	25.0	10.0	1		03/23/19 19:13		H5	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.8</b>	mg/L	0.25	0.024	1		03/22/19 05:08	16887-00-6		
Fluoride	<b>0.040J</b>	mg/L	0.30	0.029	1		03/22/19 05:08	16984-48-8		
Sulfate	<b>4.3</b>	mg/L	1.0	0.017	1		03/22/19 05:08	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Sample: GWC-20R		Lab ID: 2616191005		Collected: 03/12/19 10:41		Received: 03/15/19 15:40		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 19:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 19:20	7440-38-2	
Barium	<b>0.030</b>	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 19:20	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 19:20	7440-41-7	
Boron	<b>0.0045J</b>	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 19:20	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 19:20	7440-43-9	
Calcium	<b>35.2</b>	mg/L	25.0	0.69	50	03/20/19 14:34	03/21/19 19:26	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 19:20	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 19:20	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 19:20	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 19:20	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 19:20	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 19:20	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 19:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 19:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 19:20	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 19:20	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 14:01	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>191</b>	mg/L	25.0	10.0	1		03/19/19 17:55		1A, L1
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>2.7</b>	mg/L	0.25	0.024	1		03/22/19 21:28	16887-00-6	
Fluoride	<b>0.048J</b>	mg/L	0.30	0.029	1		03/22/19 21:28	16984-48-8	
Sulfate	<b>1.5</b>	mg/L	1.0	0.017	1		03/22/19 21:28	14808-79-8	

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### ANALYTICAL RESULTS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Sample: GWC-23R		Lab ID: 2616191006		Collected: 03/12/19 11:20		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 19:32	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 19:32	7440-38-2		
Barium	<b>0.022</b>	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 19:32	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 19:32	7440-41-7		
Boron	<b>0.0047J</b>	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 19:32	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 19:32	7440-43-9		
Calcium	<b>61.6</b>	mg/L	25.0	0.69	50	03/20/19 14:34	03/21/19 19:37	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 19:32	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 19:32	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 19:32	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 19:32	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 19:32	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 19:32	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 19:32	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 19:32	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 19:32	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 19:32	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 14:03	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>310</b>	mg/L	25.0	10.0	1		03/19/19 17:55		1A, L1	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.4</b>	mg/L	0.25	0.024	1		03/22/19 21:51	16887-00-6		
Fluoride	<b>0.060J</b>	mg/L	0.30	0.029	1		03/22/19 21:51	16984-48-8		
Sulfate	<b>17.7</b>	mg/L	1.0	0.017	1		03/22/19 21:51	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Sample: GWA-53R		Lab ID: 2616191007		Collected: 03/12/19 10:08		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	<b>0.0020J</b>	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 19:43	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 19:43	7440-38-2		
Barium	<b>0.016</b>	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 19:43	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 19:43	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 19:43	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 19:43	7440-43-9		
Calcium	<b>28.0</b>	mg/L	25.0	0.69	50	03/20/19 14:34	03/21/19 19:49	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 19:43	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 19:43	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 19:43	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 19:43	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 19:43	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 19:43	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 19:43	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 19:43	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 19:43	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 19:43	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 14:06	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>150</b>	mg/L	25.0	10.0	1		03/19/19 17:55		1A, L1	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>3.3</b>	mg/L	0.25	0.024	1		03/22/19 22:37	16887-00-6		
Fluoride	<b>0.046J</b>	mg/L	0.30	0.029	1		03/22/19 22:37	16984-48-8		
Sulfate	<b>2.2</b>	mg/L	1.0	0.017	1		03/22/19 22:37	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Sample: FBL031219-1		Lab ID: 2616191008		Collected: 03/12/19 13:43		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 19:55	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 19:55	7440-38-2		
Barium	ND	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 19:55	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 19:55	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 19:55	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 19:55	7440-43-9		
Calcium	ND	mg/L	0.50	0.014	1	03/20/19 14:34	03/21/19 19:55	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 19:55	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 19:55	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 19:55	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 19:55	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 19:55	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 19:55	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 19:55	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 19:55	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 19:55	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 19:55	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 14:08	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>41.0</b>	mg/L	25.0	10.0	1		03/23/19 19:13		H5	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>0.31</b>	mg/L	0.25	0.024	1		03/22/19 23:00	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/22/19 23:00	16984-48-8		
Sulfate	ND	mg/L	1.0	0.017	1		03/22/19 23:00	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

**Sample: EQBL031219-1**      **Lab ID: 2616191009**      Collected: 03/12/19 13:46      Received: 03/15/19 15:40      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b> Analytical Method: EPA 6020B      Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 20:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 20:00	7440-38-2	
Barium	ND	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 20:00	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 20:00	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 20:00	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 20:00	7440-43-9	
Calcium	ND	mg/L	0.50	0.014	1	03/20/19 14:34	03/21/19 20:00	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 20:00	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 20:00	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 20:00	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 20:00	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 20:00	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 20:00	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 20:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 20:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 20:00	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 20:00	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 14:11	7439-97-6	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C									
Total Dissolved Solids	<b>29.0</b>	mg/L	25.0	10.0	1		03/23/19 19:13		H5
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Chloride	<b>0.32</b>	mg/L	0.25	0.024	1		03/22/19 23:22	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		03/22/19 23:22	16984-48-8	
Sulfate	ND	mg/L	1.0	0.017	1		03/22/19 23:22	14808-79-8	

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### ANALYTICAL RESULTS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

**Sample: FBL031219-2**      **Lab ID: 2616191010**      Collected: 03/12/19 13:53      Received: 03/15/19 15:40      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b> Analytical Method: EPA 6020B      Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 20:18	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 20:18	7440-38-2	
Barium	ND	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 20:18	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 20:18	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 20:18	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 20:18	7440-43-9	
Calcium	ND	mg/L	0.50	0.014	1	03/20/19 14:34	03/21/19 20:18	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 20:18	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 20:18	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 20:18	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 20:18	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 20:18	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 20:18	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 20:18	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 20:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 20:18	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 20:18	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 14:13	7439-97-6	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C									
Total Dissolved Solids	<b>25.0</b>	mg/L	25.0	10.0	1		03/23/19 19:14		H5
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Chloride	<b>0.32</b>	mg/L	0.25	0.024	1		03/22/19 23:45	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		03/22/19 23:45	16984-48-8	
Sulfate	ND	mg/L	1.0	0.017	1		03/22/19 23:45	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

**Sample: EQBL031219-2**      **Lab ID: 2616191011**      Collected: 03/12/19 14:11      Received: 03/15/19 15:40      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b> Analytical Method: EPA 6020B      Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 20:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 20:23	7440-38-2	
Barium	ND	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 20:23	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 20:23	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 20:23	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 20:23	7440-43-9	
Calcium	ND	mg/L	0.50	0.014	1	03/20/19 14:34	03/21/19 20:23	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 20:23	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 20:23	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 20:23	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 20:23	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 20:23	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 20:23	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 20:23	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 20:23	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 20:23	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 20:23	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 10:01	03/20/19 14:41	7439-97-6	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C									
Total Dissolved Solids	<b>29.0</b>	mg/L	25.0	10.0	1		03/23/19 19:14		H5
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Chloride	<b>0.32</b>	mg/L	0.25	0.024	1		03/23/19 00:08	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		03/23/19 00:08	16984-48-8	
Sulfate	ND	mg/L	1.0	0.017	1		03/23/19 00:08	14808-79-8	

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### ANALYTICAL RESULTS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Sample: Dup-3		Lab ID: 2616191012		Collected: 03/12/19 00:00		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 20:29	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 20:29	7440-38-2		
Barium	<b>0.015</b>	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 20:29	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 20:29	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 20:29	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 20:29	7440-43-9		
Calcium	<b>29.3</b>	mg/L	25.0	0.69	50	03/20/19 14:34	03/21/19 20:35	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 20:29	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 20:29	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 20:29	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 20:29	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 20:29	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 20:29	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 20:29	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 20:29	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 20:29	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 20:29	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 10:01	03/20/19 14:44	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>164</b>	mg/L	25.0	10.0	1		03/23/19 19:14		H5	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>3.3</b>	mg/L	0.25	0.024	1		03/23/19 00:31	16887-00-6		
Fluoride	<b>0.045J</b>	mg/L	0.30	0.029	1		03/23/19 00:31	16984-48-8		
Sulfate	<b>4.4</b>	mg/L	1.0	0.017	1		03/23/19 00:31	14808-79-8		

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### QUALITY CONTROL DATA

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

QC Batch: 24639 Analysis Method: EPA 7470A  
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
 Associated Lab Samples: 2616191001, 2616191002, 2616191003, 2616191004, 2616191005, 2616191006, 2616191007, 2616191008, 2616191009, 2616191010

METHOD BLANK: 110677 Matrix: Water  
 Associated Lab Samples: 2616191001, 2616191002, 2616191003, 2616191004, 2616191005, 2616191006, 2616191007, 2616191008, 2616191009, 2616191010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/20/19 13:07	

LABORATORY CONTROL SAMPLE: 110678

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 110679 110680

Parameter	Units	2616179001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0025	0.0025	99	99	75-125	0	20	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells 3+4  
Pace Project No.: 2616191

QC Batch: 24668 Analysis Method: EPA 7470A  
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
Associated Lab Samples: 2616191011, 2616191012

METHOD BLANK: 110914 Matrix: Water  
Associated Lab Samples: 2616191011, 2616191012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/20/19 14:27	

LABORATORY CONTROL SAMPLE: 110915

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 110916 110917

Parameter	Units	2616193001 Result	MS		MSD		% Rec	% Rec	% Rec	Limits	Max		Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result					RPD	RPD	
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0025	97	101	75-125	4	20		

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### QUALITY CONTROL DATA

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

QC Batch: 24597 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2616191001, 2616191002, 2616191003, 2616191004

METHOD BLANK: 110486 Matrix: Water  
Associated Lab Samples: 2616191001, 2616191002, 2616191003, 2616191004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/21/19 13:23	
Arsenic	mg/L	ND	0.0050	0.00057	03/21/19 13:23	
Barium	mg/L	ND	0.010	0.00078	03/21/19 13:23	
Beryllium	mg/L	ND	0.0030	0.000050	03/21/19 13:23	
Boron	mg/L	ND	0.040	0.0039	03/21/19 13:23	
Cadmium	mg/L	ND	0.0010	0.000093	03/21/19 13:23	
Calcium	mg/L	ND	0.50	0.014	03/21/19 13:23	
Chromium	mg/L	ND	0.010	0.0016	03/21/19 13:23	
Cobalt	mg/L	ND	0.010	0.00052	03/21/19 13:23	
Copper	mg/L	ND	0.025	0.0013	03/21/19 13:23	
Lead	mg/L	ND	0.0050	0.00027	03/21/19 13:23	
Nickel	mg/L	ND	0.010	0.00095	03/21/19 13:23	
Selenium	mg/L	ND	0.010	0.0014	03/21/19 13:23	
Silver	mg/L	ND	0.010	0.00095	03/21/19 13:23	
Thallium	mg/L	ND	0.0010	0.00014	03/21/19 13:23	
Vanadium	mg/L	ND	0.010	0.0019	03/21/19 13:23	
Zinc	mg/L	ND	0.010	0.0021	03/21/19 13:23	

LABORATORY CONTROL SAMPLE: 110487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	106	80-120	
Arsenic	mg/L	0.1	0.10	104	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	103	80-120	
Cadmium	mg/L	0.1	0.10	103	80-120	
Calcium	mg/L	1	1.0	102	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Copper	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.11	109	80-120	
Silver	mg/L	0.1	0.11	106	80-120	
Thallium	mg/L	0.1	0.10	101	80-120	
Vanadium	mg/L	0.1	0.11	106	80-120	
Zinc	mg/L	0.1	0.10	103	80-120	

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**QUALITY CONTROL DATA**

Project: Plant Bowen cells 3+4  
Pace Project No.: 2616191

Parameter	Units	2616179004		MS		MSD		110488		110489		Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD		
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	3	20	
Barium	mg/L	0.010	0.1	0.1	0.11	0.11	98	98	75-125	0	20	
Beryllium	mg/L	ND	0.1	0.1	0.097	0.093	97	93	75-125	5	20	
Boron	mg/L	ND	1	1	0.97	0.93	97	93	75-125	3	20	
Cadmium	mg/L	0.00015J	0.1	0.1	0.10	0.097	100	97	75-125	3	20	
Calcium	mg/L	20.4J	1	1	21.9J	23.4J	150	298	75-125	7	20	M6
Chromium	mg/L	ND	0.1	0.1	0.099	0.10	98	100	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.094	0.094	94	94	75-125	0	20	
Copper	mg/L	ND	0.1	0.1	0.096	0.095	96	94	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.097	0.093	97	93	75-125	4	20	
Nickel	mg/L	ND	0.1	0.1	0.096	0.095	96	94	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	0	20	
Silver	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.097	0.094	97	94	75-125	3	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20	
Zinc	mg/L	0.051	0.1	0.1	0.15	0.15	97	97	75-125	0	20	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells 3+4  
Pace Project No.: 2616191

QC Batch: 24707 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2616191005, 2616191006, 2616191007, 2616191008, 2616191009, 2616191010, 2616191011, 2616191012

METHOD BLANK: 111121 Matrix: Water  
Associated Lab Samples: 2616191005, 2616191006, 2616191007, 2616191008, 2616191009, 2616191010, 2616191011, 2616191012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/21/19 19:09	
Arsenic	mg/L	ND	0.0050	0.00057	03/21/19 19:09	
Barium	mg/L	ND	0.010	0.00078	03/21/19 19:09	
Beryllium	mg/L	ND	0.0030	0.000050	03/21/19 19:09	
Boron	mg/L	ND	0.040	0.0039	03/21/19 19:09	
Cadmium	mg/L	ND	0.0010	0.000093	03/21/19 19:09	
Calcium	mg/L	ND	0.50	0.014	03/21/19 19:09	
Chromium	mg/L	ND	0.010	0.0016	03/21/19 19:09	
Cobalt	mg/L	ND	0.010	0.00052	03/21/19 19:09	
Copper	mg/L	ND	0.025	0.0013	03/21/19 19:09	
Lead	mg/L	ND	0.0050	0.00027	03/21/19 19:09	
Nickel	mg/L	ND	0.010	0.00095	03/21/19 19:09	
Selenium	mg/L	ND	0.010	0.0014	03/21/19 19:09	
Silver	mg/L	ND	0.010	0.00095	03/21/19 19:09	
Thallium	mg/L	ND	0.0010	0.00014	03/21/19 19:09	
Vanadium	mg/L	ND	0.010	0.0019	03/21/19 19:09	
Zinc	mg/L	ND	0.010	0.0021	03/21/19 19:09	

LABORATORY CONTROL SAMPLE: 111122

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	107	80-120	
Arsenic	mg/L	0.1	0.10	104	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.10	105	80-120	
Calcium	mg/L	1	1.0	101	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.10	100	80-120	
Copper	mg/L	0.1	0.10	102	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.10	105	80-120	
Silver	mg/L	0.1	0.11	106	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	
Vanadium	mg/L	0.1	0.11	105	80-120	
Zinc	mg/L	0.1	0.10	103	80-120	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Parameter	Units	111123		111124		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		2616193001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	106	75-125	2	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	103	105	75-125	2	20		
Barium	mg/L	0.028	0.1	0.1	0.13	0.13	101	100	75-125	1	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20		
Boron	mg/L	0.0070J	1	1	0.96	0.99	95	98	75-125	3	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20		
Calcium	mg/L	22.7J	1	1	23.3J	23.3J	67	68	75-125	0	20	M6	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	1	20		
Cobalt	mg/L	ND	0.1	0.1	0.098	0.096	97	96	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.10	101	99	75-125	1	20		
Lead	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20		
Nickel	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	105	103	75-125	2	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	101	104	75-125	2	20		
Thallium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20		
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	1	20		
Zinc	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	1	20		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

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QC Batch:	24551	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	2616191003, 2616191005, 2616191006, 2616191007		

---

LABORATORY CONTROL SAMPLE: 110196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	439	110	84-108	L1

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**QUALITY CONTROL DATA**

Project: Plant Bowen cells 3+4  
Pace Project No.: 2616191

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QC Batch: 24973 Analysis Method: SM 2540C  
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids  
Associated Lab Samples: 2616191001, 2616191002, 2616191004, 2616191008, 2616191009, 2616191010, 2616191011, 2616191012

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LABORATORY CONTROL SAMPLE: 112717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	426	106	84-108	

SAMPLE DUPLICATE: 112718

Parameter	Units	2616191001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	306	323	5	10	H5

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### QUALITY CONTROL DATA

Project: Plant Bowen cells 3+4  
Pace Project No.: 2616191

QC Batch: 24797 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2616191001, 2616191002, 2616191003, 2616191004, 2616191005, 2616191006, 2616191007, 2616191008, 2616191009, 2616191010, 2616191011, 2616191012

METHOD BLANK: 111639 Matrix: Water  
Associated Lab Samples: 2616191001, 2616191002, 2616191003, 2616191004, 2616191005, 2616191006, 2616191007, 2616191008, 2616191009, 2616191010, 2616191011, 2616191012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.024	03/22/19 00:57	
Fluoride	mg/L	ND	0.30	0.029	03/22/19 00:57	
Sulfate	mg/L	ND	1.0	0.017	03/22/19 00:57	

LABORATORY CONTROL SAMPLE: 111640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.7	97	90-110	
Fluoride	mg/L	10	10.1	101	90-110	
Sulfate	mg/L	10	10.8	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 111641 111642

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2616189001 Result	Spike Conc.	Spike Conc.	MS Result						
Chloride	mg/L	2.2	10	10	11.8	11.8	96	96	90-110	0	15
Fluoride	mg/L	0.045J	10	10	10.2	10.2	102	102	90-110	0	15
Sulfate	mg/L	2.1	10	10	12.5	12.5	103	104	90-110	0	15

MATRIX SPIKE SAMPLE: 111643

Parameter	Units	2616189002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.6	10	11.6	101	90-110	
Fluoride	mg/L	ND	10	10.6	106	90-110	
Sulfate	mg/L	0.43J	10	11.3	109	90-110	

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## QUALIFIERS

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

- |    |   |
|----|---|
| 1A | Out of hold rerun result confirms original. Original reported.  |
| D3 | Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.                                      |
| H5 | Reanalysis conducted in excess of EPA method holding time. Results confirm original analysis performed in hold time.                            |
| L1 | Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high. |
| M6 | Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.                                   |

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2616191001	GWC-17R	EPA 3005A	24597	EPA 6020B	24647
2616191002	GWC-18	EPA 3005A	24597	EPA 6020B	24647
2616191003	GWC-18R	EPA 3005A	24597	EPA 6020B	24647
2616191004	GWC-19R	EPA 3005A	24597	EPA 6020B	24647
2616191005	GWC-20R	EPA 3005A	24707	EPA 6020B	24750
2616191006	GWC-23R	EPA 3005A	24707	EPA 6020B	24750
2616191007	GWA-53R	EPA 3005A	24707	EPA 6020B	24750
2616191008	FBL031219-1	EPA 3005A	24707	EPA 6020B	24750
2616191009	EQBL031219-1	EPA 3005A	24707	EPA 6020B	24750
2616191010	FBL031219-2	EPA 3005A	24707	EPA 6020B	24750
2616191011	EQBL031219-2	EPA 3005A	24707	EPA 6020B	24750
2616191012	Dup-3	EPA 3005A	24707	EPA 6020B	24750
2616191001	GWC-17R	EPA 7470A	24639	EPA 7470A	24703
2616191002	GWC-18	EPA 7470A	24639	EPA 7470A	24703
2616191003	GWC-18R	EPA 7470A	24639	EPA 7470A	24703
2616191004	GWC-19R	EPA 7470A	24639	EPA 7470A	24703
2616191005	GWC-20R	EPA 7470A	24639	EPA 7470A	24703
2616191006	GWC-23R	EPA 7470A	24639	EPA 7470A	24703
2616191007	GWA-53R	EPA 7470A	24639	EPA 7470A	24703
2616191008	FBL031219-1	EPA 7470A	24639	EPA 7470A	24703
2616191009	EQBL031219-1	EPA 7470A	24639	EPA 7470A	24703
2616191010	FBL031219-2	EPA 7470A	24639	EPA 7470A	24703
2616191011	EQBL031219-2	EPA 7470A	24668	EPA 7470A	24709
2616191012	Dup-3	EPA 7470A	24668	EPA 7470A	24709
2616191001	GWC-17R	SM 2540C	24973		
2616191002	GWC-18	SM 2540C	24973		
2616191003	GWC-18R	SM 2540C	24551		
2616191004	GWC-19R	SM 2540C	24973		
2616191005	GWC-20R	SM 2540C	24551		
2616191006	GWC-23R	SM 2540C	24551		
2616191007	GWA-53R	SM 2540C	24551		
2616191008	FBL031219-1	SM 2540C	24973		
2616191009	EQBL031219-1	SM 2540C	24973		
2616191010	FBL031219-2	SM 2540C	24973		
2616191011	EQBL031219-2	SM 2540C	24973		
2616191012	Dup-3	SM 2540C	24973		
2616191001	GWC-17R	EPA 300.0	24797		
2616191002	GWC-18	EPA 300.0	24797		
2616191003	GWC-18R	EPA 300.0	24797		
2616191004	GWC-19R	EPA 300.0	24797		
2616191005	GWC-20R	EPA 300.0	24797		
2616191006	GWC-23R	EPA 300.0	24797		
2616191007	GWA-53R	EPA 300.0	24797		
2616191008	FBL031219-1	EPA 300.0	24797		

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen cells 3+4

Pace Project No.: 2616191

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2616191009	EQBL031219-1	EPA 300.0	24797		
2616191010	FBL031219-2	EPA 300.0	24797		
2616191011	EQBL031219-2	EPA 300.0	24797		
2616191012	Dup-3	EPA 300.0	24797		

### REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**Section A**  
**Required Client Information:**  
 Company: Georgia Power - Coal Combustion Residuals  
 Address: 2480 Marner Road, Atlanta, GA 30339  
 Email: jbraham@southernco.com  
 Phone: (404)506-7239  
 Requested Due Date:

**Section B**  
**Required Project Information:**  
 Report To: Joju Abraham  
 Copy To: Wood Environmental  
 Purchase Order #: SCS10348606  
 Project Name: Plant Bowen Cells - State List 3 A 4  
 Project #: 317.5

**Section C**  
**Invoice Information:**  
 Attention: scsinvoices@southernco.com  
 Company Name:  
 Address:  
 Pace Quote:  
 Pace Project Manager: betisy.mcdaniel@pacelabs.com  
 Pace Profile #: 317.5  
 GA

Page: 1 of 1

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G-GRAB C-COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION		# OF CONTAINERS	PRESERVATIVES										ANALYSES TEST	RESIDUAL CHLORINE (Y/N)				
			START DATE	END DATE			START TIME	END TIME		UNPRESERVED	H2SO4	HNO3	HCl	NaOH	Na2SO3	Methanol	Other	TDS, Cl, F, SO4	Metals 6020						
1			WT G	3/12/19	1526				2	1									X						
2			WT G	3/12/19	1251				2	1									X						
3			WT G	3/12/19	1153				2	1									X						
4			WT G	3/12/19	1230				2	1									X						
5			WT G	3/12/19	1041				2	1									X						
6			WT G	3/12/19	1120				2	1									X						
7			WT G	3/12/19	1008				2	1									X						
8			WT G	3/12/19	1343				2	1									X						
9			WT G	3/12/19	1346				2	1									X						
10			WT G	3/12/19	1353				2	1									X						
11			WT G	3/12/19	1411				2	1									X						
12			WT G	3/12/19	---				2	1									X						

**NO# : 2616191**

**2616191**

**RECEIVED BY / AFFILIATION**  
 DATE: 3/15/19  
 TIME: 8:45  
 M. RATHMAN

**RECEIVED BY / AFFILIATION**  
 DATE: 3/15/19  
 TIME: 8:54  
 M. Rathman

**TEMP IN C**  
 0.5

**Received on**  
 3/15/19

**Ice (Y/N)**  
 Y

**Sealed (Y/N)**  
 Y

**Custody (Y/N)**  
 Y

**Samples Intact (Y/N)**  
 Y

**SAMPLER NAME AND SIGNATURE**  
 Cindy Mardis

**PRINT NAME OF SAMPLER**  
 Robert Hull & Veronica Foy

**SIGNATURE OF SAMPLER**  
 Veronica Foy

**DATE SIGNED**  
 3/12/19



Sample Condition Upon Receipt

Client Name: GIA Power

Project # \_\_\_\_\_

WO#: **2616191**

PM: **BM**

Due Date: **03/22/19**

CLIENT: **GAPower-CCR**

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other  
Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used 83 Type of Ice:  Wet  Blue  None

Cooler Temperature 0.5

Biological Tissue is Frozen: Yes No

Samples on ice, cooling process has begun

Date and Initials of person examining contents: 3/15/19 MR

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.		
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.		
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.		
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.		
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.		
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.		
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.		
Sample Labels match COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.		
-Includes date/time/ID/Analysis Matrix:	<u>W</u>			
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.		
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (ie out of hold, incorrect preservative, out of temp, incorrect containers)

March 25, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

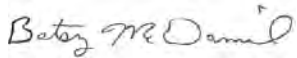
RE: Project: Plant Bowen cells-State List  
Pace Project No.: 2616179

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 15, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2616179001	GWA-39Z	Water	03/15/19 13:28	03/15/19 16:35
2616179002	FBL031519	Water	03/15/19 14:02	03/15/19 16:35
2616179003	EQBL031519	Water	03/15/19 14:07	03/15/19 16:35
2616179004	GWC-47	Water	03/15/19 09:52	03/15/19 16:35
2616179005	GWC-48	Water	03/15/19 13:58	03/15/19 16:35

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2616179001	GWA-39Z	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2616179002	FBL031519	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2616179003	EQBL031519	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	MWB	3
2616179004	GWC-47	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616179005	GWC-48	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

Sample: GWA-39Z		Lab ID: 2616179001		Collected: 03/15/19 13:28		Received: 03/15/19 16:35		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/19/19 12:14	03/21/19 14:28	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/19/19 12:14	03/21/19 14:28	7440-38-2		
Barium	<b>0.019</b>	mg/L	0.010	0.00078	1	03/19/19 12:14	03/21/19 14:28	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/19/19 12:14	03/21/19 14:28	7440-41-7		
Boron	<b>0.0050J</b>	mg/L	0.040	0.0039	1	03/19/19 12:14	03/21/19 14:28	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/19/19 12:14	03/21/19 14:28	7440-43-9		
Calcium	<b>20.3J</b>	mg/L	25.0	0.69	50	03/19/19 12:14	03/21/19 14:34	7440-70-2	D3	
Chromium	ND	mg/L	0.010	0.0016	1	03/19/19 12:14	03/21/19 14:28	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/19/19 12:14	03/21/19 14:28	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/19/19 12:14	03/21/19 14:28	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/19/19 12:14	03/21/19 14:28	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 14:28	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/19/19 12:14	03/21/19 14:28	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 14:28	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/19/19 12:14	03/21/19 14:28	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/19/19 12:14	03/21/19 14:28	7440-62-2		
Zinc	<b>0.0023J</b>	mg/L	0.010	0.0021	1	03/19/19 12:14	03/21/19 14:28	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 13:11	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>107</b>	mg/L	25.0	10.0	1		03/21/19 17:58			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.7</b>	mg/L	0.25	0.024	1		03/22/19 07:11	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/22/19 07:11	16984-48-8		
Sulfate	<b>3.0</b>	mg/L	1.0	0.017	1		03/22/19 07:11	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

Sample: <b>FBL031519</b>		Lab ID: <b>2616179002</b>		Collected: 03/15/19 14:02		Received: 03/15/19 16:35		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/19/19 12:14	03/21/19 14:40	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/19/19 12:14	03/21/19 14:40	7440-38-2		
Barium	ND	mg/L	0.010	0.00078	1	03/19/19 12:14	03/21/19 14:40	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/19/19 12:14	03/21/19 14:40	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/19/19 12:14	03/21/19 14:40	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/19/19 12:14	03/21/19 14:40	7440-43-9		
Calcium	ND	mg/L	0.50	0.014	1	03/19/19 12:14	03/21/19 14:40	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/19/19 12:14	03/21/19 14:40	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/19/19 12:14	03/21/19 14:40	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/19/19 12:14	03/21/19 14:40	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/19/19 12:14	03/21/19 14:40	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 14:40	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/19/19 12:14	03/21/19 14:40	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 14:40	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/19/19 12:14	03/21/19 14:40	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/19/19 12:14	03/21/19 14:40	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/19/19 12:14	03/21/19 14:40	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 13:28	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>15.0J</b>	mg/L	25.0	10.0	1		03/22/19 12:51		D6	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>0.079J</b>	mg/L	0.25	0.024	1		03/22/19 07:36	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/22/19 07:36	16984-48-8		
Sulfate	ND	mg/L	1.0	0.017	1		03/22/19 07:36	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

Sample: EQBL031519		Lab ID: 2616179003		Collected: 03/15/19 14:07		Received: 03/15/19 16:35		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/19/19 12:14	03/21/19 14:45	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/19/19 12:14	03/21/19 14:45	7440-38-2		
Barium	ND	mg/L	0.010	0.00078	1	03/19/19 12:14	03/21/19 14:45	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/19/19 12:14	03/21/19 14:45	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/19/19 12:14	03/21/19 14:45	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/19/19 12:14	03/21/19 14:45	7440-43-9		
Calcium	ND	mg/L	0.50	0.014	1	03/19/19 12:14	03/21/19 14:45	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/19/19 12:14	03/21/19 14:45	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/19/19 12:14	03/21/19 14:45	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/19/19 12:14	03/21/19 14:45	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/19/19 12:14	03/21/19 14:45	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 14:45	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/19/19 12:14	03/21/19 14:45	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 14:45	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/19/19 12:14	03/21/19 14:45	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/19/19 12:14	03/21/19 14:45	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/19/19 12:14	03/21/19 14:45	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 13:30	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>20.0J</b>	mg/L	25.0	10.0	1		03/21/19 17:58			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>0.094J</b>	mg/L	0.25	0.024	1		03/22/19 08:01	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/22/19 08:01	16984-48-8		
Sulfate	ND	mg/L	1.0	0.017	1		03/22/19 08:01	14808-79-8		

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

**Sample: GWC-47**      **Lab ID: 2616179004**      Collected: 03/15/19 09:52      Received: 03/15/19 16:35      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>			Analytical Method: EPA 6020B    Preparation Method: EPA 3005A						
Antimony	ND	mg/L	0.0030	0.00078	1	03/19/19 12:14	03/21/19 14:51	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/19/19 12:14	03/21/19 14:51	7440-38-2	
Barium	<b>0.010</b>	mg/L	0.010	0.00078	1	03/19/19 12:14	03/21/19 14:51	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/19/19 12:14	03/21/19 14:51	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/19/19 12:14	03/21/19 14:51	7440-42-8	
Cadmium	<b>0.00015J</b>	mg/L	0.0010	0.000093	1	03/19/19 12:14	03/21/19 14:51	7440-43-9	
Calcium	<b>20.4J</b>	mg/L	25.0	0.69	50	03/19/19 12:14	03/21/19 14:57	7440-70-2	D3,M6
Chromium	ND	mg/L	0.010	0.0016	1	03/19/19 12:14	03/21/19 14:51	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/19/19 12:14	03/21/19 14:51	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/19/19 12:14	03/21/19 14:51	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/19/19 12:14	03/21/19 14:51	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 14:51	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/19/19 12:14	03/21/19 14:51	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 14:51	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/19/19 12:14	03/21/19 14:51	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/19/19 12:14	03/21/19 14:51	7440-62-2	
Zinc	<b>0.051</b>	mg/L	0.010	0.0021	1	03/19/19 12:14	03/21/19 14:51	7440-66-6	
<b>7470 Mercury</b>			Analytical Method: EPA 7470A    Preparation Method: EPA 7470A						
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 13:33	7439-97-6	
<b>2540C Total Dissolved Solids</b>			Analytical Method: SM 2540C						
Total Dissolved Solids	<b>125</b>	mg/L	25.0	10.0	1		03/21/19 17:59		
<b>300.0 IC Anions 28 Days</b>			Analytical Method: EPA 300.0						
Chloride	<b>2.8</b>	mg/L	0.25	0.024	1		03/22/19 14:16	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		03/22/19 14:16	16984-48-8	
Sulfate	<b>4.2</b>	mg/L	1.0	0.017	1		03/22/19 14:16	14808-79-8	

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

Sample: <b>GWC-48</b>		Lab ID: <b>2616179005</b>		Collected: 03/15/19 13:58		Received: 03/15/19 16:35		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00078	1	03/19/19 12:14	03/21/19 16:01	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/19/19 12:14	03/21/19 16:01	7440-38-2	
Barium	<b>0.026</b>	mg/L	0.010	0.00078	1	03/19/19 12:14	03/21/19 16:01	7440-39-3	
Beryllium	<b>0.00022J</b>	mg/L	0.0030	0.000050	1	03/19/19 12:14	03/21/19 16:01	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/19/19 12:14	03/21/19 16:01	7440-42-8	
Cadmium	<b>0.00018J</b>	mg/L	0.0010	0.000093	1	03/19/19 12:14	03/21/19 16:01	7440-43-9	
Calcium	<b>4.4</b>	mg/L	0.50	0.014	1	03/19/19 12:14	03/21/19 16:01	7440-70-2	
Chromium	<b>0.0023J</b>	mg/L	0.010	0.0016	1	03/19/19 12:14	03/21/19 16:01	7440-47-3	
Cobalt	<b>0.0012J</b>	mg/L	0.010	0.00052	1	03/19/19 12:14	03/21/19 16:01	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/19/19 12:14	03/21/19 16:01	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/19/19 12:14	03/21/19 16:01	7439-92-1	
Nickel	<b>0.0033J</b>	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 16:01	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/19/19 12:14	03/21/19 16:01	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 16:01	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/19/19 12:14	03/21/19 16:01	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/19/19 12:14	03/21/19 16:01	7440-62-2	
Zinc	<b>0.0058J</b>	mg/L	0.010	0.0021	1	03/19/19 12:14	03/21/19 16:01	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 13:35	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>41.0</b>	mg/L	25.0	10.0	1		03/21/19 17:59		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>3.3</b>	mg/L	0.25	0.024	1		03/22/19 14:39	16887-00-6	
Fluoride	ND	mg/L	0.30	0.029	1		03/22/19 14:39	16984-48-8	
Sulfate	<b>1.7</b>	mg/L	1.0	0.017	1		03/22/19 14:39	14808-79-8	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

QC Batch: 24639 Analysis Method: EPA 7470A  
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
 Associated Lab Samples: 2616179001, 2616179002, 2616179003, 2616179004, 2616179005

METHOD BLANK: 110677 Matrix: Water  
 Associated Lab Samples: 2616179001, 2616179002, 2616179003, 2616179004, 2616179005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/20/19 13:07	

LABORATORY CONTROL SAMPLE: 110678

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 110679 110680

Parameter	Units	2616179001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0025	0.0025	99	99	75-125	0	20	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616179

QC Batch: 24597 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2616179001, 2616179002, 2616179003, 2616179004, 2616179005

METHOD BLANK: 110486 Matrix: Water  
Associated Lab Samples: 2616179001, 2616179002, 2616179003, 2616179004, 2616179005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/21/19 13:23	
Arsenic	mg/L	ND	0.0050	0.00057	03/21/19 13:23	
Barium	mg/L	ND	0.010	0.00078	03/21/19 13:23	
Beryllium	mg/L	ND	0.0030	0.000050	03/21/19 13:23	
Boron	mg/L	ND	0.040	0.0039	03/21/19 13:23	
Cadmium	mg/L	ND	0.0010	0.000093	03/21/19 13:23	
Calcium	mg/L	ND	0.50	0.014	03/21/19 13:23	
Chromium	mg/L	ND	0.010	0.0016	03/21/19 13:23	
Cobalt	mg/L	ND	0.010	0.00052	03/21/19 13:23	
Copper	mg/L	ND	0.025	0.0013	03/21/19 13:23	
Lead	mg/L	ND	0.0050	0.00027	03/21/19 13:23	
Nickel	mg/L	ND	0.010	0.00095	03/21/19 13:23	
Selenium	mg/L	ND	0.010	0.0014	03/21/19 13:23	
Silver	mg/L	ND	0.010	0.00095	03/21/19 13:23	
Thallium	mg/L	ND	0.0010	0.00014	03/21/19 13:23	
Vanadium	mg/L	ND	0.010	0.0019	03/21/19 13:23	
Zinc	mg/L	ND	0.010	0.0021	03/21/19 13:23	

LABORATORY CONTROL SAMPLE: 110487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	106	80-120	
Arsenic	mg/L	0.1	0.10	104	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	103	80-120	
Cadmium	mg/L	0.1	0.10	103	80-120	
Calcium	mg/L	1	1.0	102	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Copper	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.11	109	80-120	
Silver	mg/L	0.1	0.11	106	80-120	
Thallium	mg/L	0.1	0.10	101	80-120	
Vanadium	mg/L	0.1	0.11	106	80-120	
Zinc	mg/L	0.1	0.10	103	80-120	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

Parameter	Units	2616179004		MS		MSD		MS		MSD		% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec								
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	1	20					
Arsenic	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	3	20					
Barium	mg/L	0.010	0.1	0.1	0.11	0.11	98	98	75-125	0	20					
Beryllium	mg/L	ND	0.1	0.1	0.097	0.093	97	93	75-125	5	20					
Boron	mg/L	ND	1	1	0.97	0.93	97	93	75-125	3	20					
Cadmium	mg/L	0.00015J	0.1	0.1	0.10	0.097	100	97	75-125	3	20					
Calcium	mg/L	20.4J	1	1	21.9J	23.4J	150	298	75-125	7	20	M6				
Chromium	mg/L	ND	0.1	0.1	0.099	0.10	98	100	75-125	2	20					
Cobalt	mg/L	ND	0.1	0.1	0.094	0.094	94	94	75-125	0	20					
Copper	mg/L	ND	0.1	0.1	0.096	0.095	96	94	75-125	2	20					
Lead	mg/L	ND	0.1	0.1	0.097	0.093	97	93	75-125	4	20					
Nickel	mg/L	ND	0.1	0.1	0.096	0.095	96	94	75-125	2	20					
Selenium	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	0	20					
Silver	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	1	20					
Thallium	mg/L	ND	0.1	0.1	0.097	0.094	97	94	75-125	3	20					
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20					
Zinc	mg/L	0.051	0.1	0.1	0.15	0.15	97	97	75-125	0	20					

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

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QC Batch: 24757 Analysis Method: SM 2540C  
 QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids  
 Associated Lab Samples: 2616179001, 2616179003, 2616179004, 2616179005

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LABORATORY CONTROL SAMPLE: 111467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	414	104	84-108	

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SAMPLE DUPLICATE: 111468

Parameter	Units	2616160007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	340	330	3	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

QC Batch: 24873	Analysis Method: SM 2540C
QC Batch Method: SM 2540C	Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 2616179002	

LABORATORY CONTROL SAMPLE: 112147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	425	106	84-108	

SAMPLE DUPLICATE: 112148

Parameter	Units	2616179002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	15.0J	17.0J	12	10	D6

SAMPLE DUPLICATE: 112340

Parameter	Units	2616369004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	161	20.0J	156	10	D6

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**QUALITY CONTROL DATA**

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

QC Batch: 24743 Analysis Method: EPA 300.0  
 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
 Associated Lab Samples: 2616179001, 2616179002, 2616179003, 2616179004, 2616179005

METHOD BLANK: 111327 Matrix: Water  
 Associated Lab Samples: 2616179001, 2616179002, 2616179003, 2616179004, 2616179005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.024	03/21/19 21:46	
Fluoride	mg/L	ND	0.30	0.029	03/21/19 21:46	
Sulfate	mg/L	ND	1.0	0.017	03/21/19 21:46	

LABORATORY CONTROL SAMPLE: 111328

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.2	92	90-110	
Fluoride	mg/L	10	10.4	104	90-110	
Sulfate	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 111329 111330

Parameter	Units	2616160010		111330		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	24.8	10	10	31.1	31.0	63	62	90-110	0	15	M1	
Fluoride	mg/L	ND	10	10	11.5	11.2	115	112	90-110	2	15	M1	
Sulfate	mg/L	404	10	10	263	264	-1410	-1400	90-110	0	15	E	

MATRIX SPIKE SAMPLE: 111331

Parameter	Units	2616160011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	6.6	10	15.3	87	90-110	M1
Fluoride	mg/L	1.6	10	13.6	120	90-110	M1
Sulfate	mg/L	238	10	179	-587	90-110	E

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## QUALIFIERS

Project: Plant Bowen cells-State List

Pace Project No.: 2616179

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen cells-State List  
Pace Project No.: 2616179

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2616179001	GWA-39Z	EPA 3005A	24597	EPA 6020B	24647
2616179002	FBL031519	EPA 3005A	24597	EPA 6020B	24647
2616179003	EQBL031519	EPA 3005A	24597	EPA 6020B	24647
2616179004	GWC-47	EPA 3005A	24597	EPA 6020B	24647
2616179005	GWC-48	EPA 3005A	24597	EPA 6020B	24647
2616179001	GWA-39Z	EPA 7470A	24639	EPA 7470A	24703
2616179002	FBL031519	EPA 7470A	24639	EPA 7470A	24703
2616179003	EQBL031519	EPA 7470A	24639	EPA 7470A	24703
2616179004	GWC-47	EPA 7470A	24639	EPA 7470A	24703
2616179005	GWC-48	EPA 7470A	24639	EPA 7470A	24703
2616179001	GWA-39Z	SM 2540C	24757		
2616179002	FBL031519	SM 2540C	24873		
2616179003	EQBL031519	SM 2540C	24757		
2616179004	GWC-47	SM 2540C	24757		
2616179005	GWC-48	SM 2540C	24757		
2616179001	GWA-39Z	EPA 300.0	24743		
2616179002	FBL031519	EPA 300.0	24743		
2616179003	EQBL031519	EPA 300.0	24743		
2616179004	GWC-47	EPA 300.0	24743		
2616179005	GWC-48	EPA 300.0	24743		

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**CHAIN-OF-CUSTODY / Analytical Request C**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields m

WO#: **2616179**

**Section A**  
 Company: Georgia Power - Coal Combustion Residuals  
 Address: 2480 Manner Road, Atlanta, GA 30339  
 Email: jabraham@southernco.com  
 Phone: (404)506-7238  
 Requested Due Date:

**Section B**  
 Required Project Information:  
 Report To: Joy Abraham  
 Copy To: Wood Environmental  
 Purchase Order # SCS10348606  
 Project Name: Plant Bowen Cells - State List  
 Project #:

**Section C**  
 Invoice Information:  
 Attribution: scsimvoices@southernco.com  
 Company Name:  
 Address:  
 Pace Profile #: 317.5  
 State: GA

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLER TYPE (Q=GRAB C=COMP)	COLLECTED		DATE	TIME	DATE	TIME	# OF CONTAINERS	PRESERVATIVES							TDS, CL, F, SO4	Methyl 6020	Methyl 6020	Residual Chlorine (Y/N)										
			START	END						H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other														
1		WTG	3/15/19	1328				2																						
2		WTG	3/15/19	1402				2																						
3		WTG	3/15/19	1407				2																						
4		WTG	3/15/19	0952				2																						
5		WTG	3/15/19	1358				2																						

**PREPARED BY / RELATION:** Veronica Fay / Resolve  
**DATE:** 3/15/19 1635  
**PREPARED BY / RELATION:** Moxabman / 3/15/19 1635  
**DATE:** 3/15/19  
**PRINT NAME OF SAMPLER:** Robert Mull / Veronica Fay  
**SIGNATURE OF SAMPLER:** [Signature]  
**DATE SIGNATURE:** 3/15/19  
**TEMP in C:** 50  
**Received on:** 3/15/19  
**Sealed Cooler (Y/N):** Y  
**Custody (Y/N):** Y  
**Samples Intact (Y/N):** Y

**CELLS 9&10**





Sample Condition Upon Receipt

Client Name: GIA Powder

Project # \_\_\_\_\_

WO#: **2616179**

PM: **BM**

Due Date: **03/22/19**

CLIENT: **GAPower-CCR**

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other  
Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used 8.3 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 5.0 Biological Tissue is Frozen: Yes No  
Temp should be above freezing to 6°C

Date and Initials of person examining contents: 3/15/19 BM

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.		
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.		
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.		
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.		
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.		
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.		
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.		
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.		
-Includes date/time/ID/Analysis Matrix:	<u>W</u>			
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.		
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: \_\_\_\_\_

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Field Data Required? Y / N

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

March 25, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

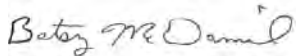
RE: Project: Plant Bowen cells - 9+10  
Pace Project No.: 2616189

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 15, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen cells - 9+10

Pace Project No.: 2616189

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## SAMPLE SUMMARY

Project: Plant Bowen cells - 9+10

Pace Project No.: 2616189

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
2616189001	GWA-40	Water	03/13/19 15:39	03/15/19 15:40
2616189002	GWA-43	Water	03/13/19 10:34	03/15/19 15:40
2616189003	GWA-43R	Water	03/13/19 13:22	03/15/19 15:40
2616189004	Dup-1	Water	03/13/19 00:00	03/15/19 15:40

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen cells - 9+10

Pace Project No.: 2616189

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2616189001	GWA-40	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616189002	GWA-43	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616189003	GWA-43R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616189004	Dup-1	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells - 9+10  
Pace Project No.: 2616189

Sample: GWA-40      Lab ID: 2616189001      Collected: 03/13/19 15:39      Received: 03/15/19 15:40      Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b> Analytical Method: EPA 6020B      Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00078	1	03/19/19 12:14	03/21/19 16:12	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/19/19 12:14	03/21/19 16:12	7440-38-2	
Barium	<b>0.0076J</b>	mg/L	0.010	0.00078	1	03/19/19 12:14	03/21/19 16:12	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/19/19 12:14	03/21/19 16:12	7440-41-7	
Boron	ND	mg/L	0.040	0.0039	1	03/19/19 12:14	03/21/19 16:12	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/19/19 12:14	03/21/19 16:12	7440-43-9	
Calcium	<b>23.8J</b>	mg/L	25.0	0.69	50	03/19/19 12:14	03/21/19 16:18	7440-70-2	D3
Chromium	ND	mg/L	0.010	0.0016	1	03/19/19 12:14	03/21/19 16:12	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/19/19 12:14	03/21/19 16:12	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/19/19 12:14	03/21/19 16:12	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/19/19 12:14	03/21/19 16:12	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 16:12	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/19/19 12:14	03/21/19 16:12	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 16:12	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/19/19 12:14	03/21/19 16:12	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/19/19 12:14	03/21/19 16:12	7440-62-2	
Zinc	ND	mg/L	0.010	0.0021	1	03/19/19 12:14	03/21/19 16:12	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 13:37	7439-97-6	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C									
Total Dissolved Solids	<b>130</b>	mg/L	25.0	10.0	1		03/20/19 19:53		
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Chloride	<b>2.2</b>	mg/L	0.25	0.024	1		03/22/19 01:43	16887-00-6	
Fluoride	<b>0.045J</b>	mg/L	0.30	0.029	1		03/22/19 01:43	16984-48-8	
Sulfate	<b>2.1</b>	mg/L	1.0	0.017	1		03/22/19 01:43	14808-79-8	

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## ANALYTICAL RESULTS

Project: Plant Bowen cells - 9+10

Pace Project No.: 2616189

Sample: GWA-43		Lab ID: 2616189002		Collected: 03/13/19 10:34		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/19/19 12:14	03/21/19 16:23	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/19/19 12:14	03/21/19 16:23	7440-38-2		
Barium	<b>0.014</b>	mg/L	0.010	0.00078	1	03/19/19 12:14	03/21/19 16:23	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/19/19 12:14	03/21/19 16:23	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/19/19 12:14	03/21/19 16:23	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/19/19 12:14	03/21/19 16:23	7440-43-9		
Calcium	<b>2.9</b>	mg/L	0.50	0.014	1	03/19/19 12:14	03/21/19 16:23	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/19/19 12:14	03/21/19 16:23	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/19/19 12:14	03/21/19 16:23	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/19/19 12:14	03/21/19 16:23	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/19/19 12:14	03/21/19 16:23	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 16:23	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/19/19 12:14	03/21/19 16:23	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 16:23	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/19/19 12:14	03/21/19 16:23	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/19/19 12:14	03/21/19 16:23	7440-62-2		
Zinc	<b>0.0022J</b>	mg/L	0.010	0.0021	1	03/19/19 12:14	03/21/19 16:23	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 13:40	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>31.0</b>	mg/L	25.0	10.0	1		03/20/19 19:53			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.6</b>	mg/L	0.25	0.024	1		03/22/19 02:51	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/22/19 02:51	16984-48-8		
Sulfate	<b>0.43J</b>	mg/L	1.0	0.017	1		03/22/19 02:51	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells - 9+10

Pace Project No.: 2616189

Sample: <b>GWA-43R</b>		Lab ID: <b>2616189003</b>		Collected: 03/13/19 13:22		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/19/19 12:14	03/21/19 16:35	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/19/19 12:14	03/21/19 16:35	7440-38-2		
Barium	<b>0.0077J</b>	mg/L	0.010	0.00078	1	03/19/19 12:14	03/21/19 16:35	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/19/19 12:14	03/21/19 16:35	7440-41-7		
Boron	<b>0.012J</b>	mg/L	0.040	0.0039	1	03/19/19 12:14	03/21/19 16:35	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/19/19 12:14	03/21/19 16:35	7440-43-9		
Calcium	<b>29.2</b>	mg/L	25.0	0.69	50	03/19/19 12:14	03/21/19 16:41	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/19/19 12:14	03/21/19 16:35	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/19/19 12:14	03/21/19 16:35	7440-48-4		
Copper	<b>0.0015J</b>	mg/L	0.025	0.0013	1	03/19/19 12:14	03/21/19 16:35	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/19/19 12:14	03/21/19 16:35	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 16:35	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/19/19 12:14	03/21/19 16:35	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 16:35	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/19/19 12:14	03/21/19 16:35	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/19/19 12:14	03/21/19 16:35	7440-62-2		
Zinc	<b>0.0023J</b>	mg/L	0.010	0.0021	1	03/19/19 12:14	03/21/19 16:35	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 13:42	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>152</b>	mg/L	25.0	10.0	1		03/20/19 19:54			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.9</b>	mg/L	0.25	0.024	1		03/22/19 03:14	16887-00-6		
Fluoride	<b>0.036J</b>	mg/L	0.30	0.029	1		03/22/19 03:14	16984-48-8		
Sulfate	<b>4.4</b>	mg/L	1.0	0.017	1		03/22/19 03:14	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells - 9+10

Pace Project No.: 2616189

Sample: Dup-1		Lab ID: 2616189004		Collected: 03/13/19 00:00		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/19/19 12:14	03/21/19 16:58	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/19/19 12:14	03/21/19 16:58	7440-38-2		
Barium	<b>0.0071J</b>	mg/L	0.010	0.00078	1	03/19/19 12:14	03/21/19 16:58	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/19/19 12:14	03/21/19 16:58	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/19/19 12:14	03/21/19 16:58	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/19/19 12:14	03/21/19 16:58	7440-43-9		
Calcium	<b>24.2J</b>	mg/L	25.0	0.69	50	03/19/19 12:14	03/21/19 17:04	7440-70-2	D3	
Chromium	ND	mg/L	0.010	0.0016	1	03/19/19 12:14	03/21/19 16:58	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/19/19 12:14	03/21/19 16:58	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/19/19 12:14	03/21/19 16:58	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/19/19 12:14	03/21/19 16:58	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 16:58	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/19/19 12:14	03/21/19 16:58	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/19/19 12:14	03/21/19 16:58	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/19/19 12:14	03/21/19 16:58	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/19/19 12:14	03/21/19 16:58	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/19/19 12:14	03/21/19 16:58	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 09:33	03/20/19 13:45	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>142</b>	mg/L	25.0	10.0	1		03/20/19 19:54			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.1</b>	mg/L	0.25	0.024	1		03/22/19 03:37	16887-00-6		
Fluoride	<b>0.041J</b>	mg/L	0.30	0.029	1		03/22/19 03:37	16984-48-8		
Sulfate	<b>2.2</b>	mg/L	1.0	0.017	1		03/22/19 03:37	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen cells - 9+10  
Pace Project No.: 2616189

QC Batch: 24639 Analysis Method: EPA 7470A  
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
Associated Lab Samples: 2616189001, 2616189002, 2616189003, 2616189004

METHOD BLANK: 110677 Matrix: Water  
Associated Lab Samples: 2616189001, 2616189002, 2616189003, 2616189004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/20/19 13:07	

LABORATORY CONTROL SAMPLE: 110678

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 110679 110680

Parameter	Units	2616179001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0025	0.0025	99	99	75-125	0	20	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells - 9+10  
Pace Project No.: 2616189

QC Batch: 24597 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2616189001, 2616189002, 2616189003, 2616189004

METHOD BLANK: 110486 Matrix: Water  
Associated Lab Samples: 2616189001, 2616189002, 2616189003, 2616189004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/21/19 13:23	
Arsenic	mg/L	ND	0.0050	0.00057	03/21/19 13:23	
Barium	mg/L	ND	0.010	0.00078	03/21/19 13:23	
Beryllium	mg/L	ND	0.0030	0.000050	03/21/19 13:23	
Boron	mg/L	ND	0.040	0.0039	03/21/19 13:23	
Cadmium	mg/L	ND	0.0010	0.000093	03/21/19 13:23	
Calcium	mg/L	ND	0.50	0.014	03/21/19 13:23	
Chromium	mg/L	ND	0.010	0.0016	03/21/19 13:23	
Cobalt	mg/L	ND	0.010	0.00052	03/21/19 13:23	
Copper	mg/L	ND	0.025	0.0013	03/21/19 13:23	
Lead	mg/L	ND	0.0050	0.00027	03/21/19 13:23	
Nickel	mg/L	ND	0.010	0.00095	03/21/19 13:23	
Selenium	mg/L	ND	0.010	0.0014	03/21/19 13:23	
Silver	mg/L	ND	0.010	0.00095	03/21/19 13:23	
Thallium	mg/L	ND	0.0010	0.00014	03/21/19 13:23	
Vanadium	mg/L	ND	0.010	0.0019	03/21/19 13:23	
Zinc	mg/L	ND	0.010	0.0021	03/21/19 13:23	

LABORATORY CONTROL SAMPLE: 110487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	106	80-120	
Arsenic	mg/L	0.1	0.10	104	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	103	80-120	
Cadmium	mg/L	0.1	0.10	103	80-120	
Calcium	mg/L	1	1.0	102	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Copper	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.11	109	80-120	
Silver	mg/L	0.1	0.11	106	80-120	
Thallium	mg/L	0.1	0.10	101	80-120	
Vanadium	mg/L	0.1	0.11	106	80-120	
Zinc	mg/L	0.1	0.10	103	80-120	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells - 9+10

Pace Project No.: 2616189

Parameter	Units	2616179004		MS		MSD		MS		MSD		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	MS % Rec	MSD % Rec									
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	1	20						
Arsenic	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	3	20						
Barium	mg/L	0.010	0.1	0.1	0.11	0.11	98	98	75-125	0	20						
Beryllium	mg/L	ND	0.1	0.1	0.097	0.093	97	93	75-125	5	20						
Boron	mg/L	ND	1	1	0.97	0.93	97	93	75-125	3	20						
Cadmium	mg/L	0.00015J	0.1	0.1	0.10	0.097	100	97	75-125	3	20						
Calcium	mg/L	20.4J	1	1	21.9J	23.4J	150	298	75-125	7	20	M6					
Chromium	mg/L	ND	0.1	0.1	0.099	0.10	98	100	75-125	2	20						
Cobalt	mg/L	ND	0.1	0.1	0.094	0.094	94	94	75-125	0	20						
Copper	mg/L	ND	0.1	0.1	0.096	0.095	96	94	75-125	2	20						
Lead	mg/L	ND	0.1	0.1	0.097	0.093	97	93	75-125	4	20						
Nickel	mg/L	ND	0.1	0.1	0.096	0.095	96	94	75-125	2	20						
Selenium	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	0	20						
Silver	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	1	20						
Thallium	mg/L	ND	0.1	0.1	0.097	0.094	97	94	75-125	3	20						
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20						
Zinc	mg/L	0.051	0.1	0.1	0.15	0.15	97	97	75-125	0	20						

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### QUALITY CONTROL DATA

Project: Plant Bowen cells - 9+10  
Pace Project No.: 2616189

QC Batch: 24657 Analysis Method: SM 2540C  
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids  
Associated Lab Samples: 2616189001, 2616189002, 2616189003, 2616189004

LABORATORY CONTROL SAMPLE: 110746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	411	103	84-108	

SAMPLE DUPLICATE: 110747

Parameter	Units	2616158007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	95.0	90.0	5	10	

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**QUALITY CONTROL DATA**

Project: Plant Bowen cells - 9+10

Pace Project No.: 2616189

QC Batch: 24797 Analysis Method: EPA 300.0  
 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
 Associated Lab Samples: 2616189001, 2616189002, 2616189003, 2616189004

METHOD BLANK: 111639 Matrix: Water  
 Associated Lab Samples: 2616189001, 2616189002, 2616189003, 2616189004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.024	03/22/19 00:57	
Fluoride	mg/L	ND	0.30	0.029	03/22/19 00:57	
Sulfate	mg/L	ND	1.0	0.017	03/22/19 00:57	

LABORATORY CONTROL SAMPLE: 111640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.7	97	90-110	
Fluoride	mg/L	10	10.1	101	90-110	
Sulfate	mg/L	10	10.8	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 111641 111642

Parameter	Units	2616189001 Result	MS Spike Conc.	MSD Spike Conc.	111641		111642		% Rec Limits	RPD	Max RPD	Qual
					MS Result	MSD Result	MS % Rec	MSD % Rec				
Chloride	mg/L	2.2	10	10	11.8	11.8	96	96	90-110	0	15	
Fluoride	mg/L	0.045J	10	10	10.2	10.2	102	102	90-110	0	15	
Sulfate	mg/L	2.1	10	10	12.5	12.5	103	104	90-110	0	15	

MATRIX SPIKE SAMPLE: 111643

Parameter	Units	2616189002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.6	10	11.6	101	90-110	
Fluoride	mg/L	ND	10	10.6	106	90-110	
Sulfate	mg/L	0.43J	10	11.3	109	90-110	

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**REPORT OF LABORATORY ANALYSIS**

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## QUALIFIERS

Project: Plant Bowen cells - 9+10  
Pace Project No.: 2616189

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen cells - 9+10

Pace Project No.: 2616189

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2616189001	GWA-40	EPA 3005A	24597	EPA 6020B	24647
2616189002	GWA-43	EPA 3005A	24597	EPA 6020B	24647
2616189003	GWA-43R	EPA 3005A	24597	EPA 6020B	24647
2616189004	Dup-1	EPA 3005A	24597	EPA 6020B	24647
2616189001	GWA-40	EPA 7470A	24639	EPA 7470A	24703
2616189002	GWA-43	EPA 7470A	24639	EPA 7470A	24703
2616189003	GWA-43R	EPA 7470A	24639	EPA 7470A	24703
2616189004	Dup-1	EPA 7470A	24639	EPA 7470A	24703
2616189001	GWA-40	SM 2540C	24657		
2616189002	GWA-43	SM 2540C	24657		
2616189003	GWA-43R	SM 2540C	24657		
2616189004	Dup-1	SM 2540C	24657		
2616189001	GWA-40	EPA 300.0	24797		
2616189002	GWA-43	EPA 300.0	24797		
2616189003	GWA-43R	EPA 300.0	24797		
2616189004	Dup-1	EPA 300.0	24797		

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



Page: 1 of 1

### Section A

#### Required Client Information:

Company: Georgia Power - Coal Combustion Residuals  
 Address: 2480 Manor Road  
 Atlanta, GA 30339

Email: jobrahman@southernco.com  
 Phone: (404) 506-7239  
 Fax:

Requested Due Date:

### Section B

#### Required Project Information:

Report To: Jody Abraham  
 Copy To: Wood Environmental  
 Purchase Order #: SCS10348806  
 Project Name: Plant Reman Credits - State List Cells 9A10  
 Project #:

### Section C

#### Invoice Information:

Attention: scswines@southernco.com  
 Company Name:

Address:

Pace Quota:

Pace Project Manager: betsy.mcdaniel@pacequota.com  
 Pace Profile #: 317.5

ITEM #	MATRIX	MATRIX CODE (see vial codes to left)	SAMPLE TYPE (G-RAB C-Comp)	COLLECTED		# OF CONTAINERS	PRESERVATIVES							UNPRESERVED	TDS, Cl, F, SO4	Methyl 6020	Mercury 2470	Residual Chlorine (V/N)
				START DATE	END DATE		H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other					
1	Drinking Water	DW	G	3/15/19 15:31		2							X					
2	Water	WT	G	3/15/19 10:34		2							X					
3	Waste Water	WW	G	3/15/19 13:22		2							X					
4	Product	P	G	3/15/19		2							X					
5	Solid/Slud	SL	G										X					
6	Other	OT	G										X					

MATRIX CODE Legend:  
 DW: Drinking Water, WT: Waste Water, P: Product, SL: Solid/Slud, AR: Air, OT: Other, TS: Tissue

**SAMPLE ID**  
 One Character per box.  
 (A-Z, 0-9, -, .)

Sample IDs must be unique

DATE	TIME	REMOVED BY	DATE	TIME	REMOVED BY
3/15	2:50	Cindy Mavets	3/15	14:45	M. RAHMAN
			3/15	15:40	M. Rahman

\* Samples from cells 9 & 10

TEMP h c: 0.5 X 7

Received on: 3/13/19

DATE SIGNED: 3/13/19

FRONT NAME OF SAMPLER: Veronica Fay & Robert Mull  
 SIGNATURE OF SAMPLER: Veronica Fay

NO#: 2616189

2616189



Sample Condition Upon Receipt

Client Name: GIA Power

Project # \_\_\_\_\_

WO#: **2616189**

PM: **BM**

Due Date: **03/22/19**

CLIENT: **GAPower-CCR**

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used 83 Type of Ice:  Wet  Blue  None

Cooler Temperature 0.5 Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Samples on ice, cooling process has begun

Date and Initials of person examining contents: 3/15/19 MR

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.		
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.		
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.		
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.		
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.		
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.		
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.		
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.		
-Includes date/time/ID/Analysis Matrix:	<u>W</u>			
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.		
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Pace Trip Blank Lot # (if purchased):				

**Client Notification/Resolution:** \_\_\_\_\_

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Field Data Required? Y / N

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

March 26, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

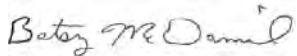
RE: Project: Plant Bowen cells-State List  
Pace Project No.: 2616193

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 15, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## SAMPLE SUMMARY

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2616193001	GWA-41	Water	03/14/19 09:56	03/15/19 15:40
2616193002	GWA-41R	Water	03/14/19 13:53	03/15/19 15:40
2616193003	GWA-42	Water	03/14/19 16:20	03/15/19 15:40
2616193004	GWC-44	Water	03/14/19 09:45	03/15/19 15:40
2616193005	GWC-45	Water	03/14/19 13:27	03/15/19 15:40
2616193006	GWC-45R	Water	03/14/19 11:07	03/15/19 15:40
2616193007	GWA-39RZ	Water	03/14/19 17:27	03/15/19 15:40

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2616193001	GWA-41	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616193002	GWA-41R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616193003	GWA-42	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616193004	GWC-44	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616193005	GWC-45	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616193006	GWC-45R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616193007	GWA-39RZ	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

Sample: GWA-41		Lab ID: 2616193001		Collected: 03/14/19 09:56		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 20:40	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 20:40	7440-38-2		
Barium	<b>0.028</b>	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 20:40	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 20:40	7440-41-7		
Boron	<b>0.0070J</b>	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 20:40	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 20:40	7440-43-9		
Calcium	<b>22.7J</b>	mg/L	25.0	0.69	50	03/20/19 14:34	03/21/19 20:46	7440-70-2	D3,M6	
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 20:40	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 20:40	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 20:40	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 20:40	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 20:40	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 20:40	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 20:40	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 20:40	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 20:40	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 20:40	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 10:01	03/20/19 14:32	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>119</b>	mg/L	25.0	10.0	1		03/21/19 17:57			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.6</b>	mg/L	0.25	0.024	1		03/23/19 00:54	16887-00-6		
Fluoride	<b>0.039J</b>	mg/L	0.30	0.029	1		03/23/19 00:54	16984-48-8		
Sulfate	<b>6.2</b>	mg/L	1.0	0.017	1		03/23/19 00:54	14808-79-8		

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

Sample: GWA-41R		Lab ID: 2616193002		Collected: 03/14/19 13:53		Received: 03/15/19 15:40		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 21:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 21:32	7440-38-2	
Barium	<b>0.040</b>	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 21:32	7440-39-3	
Beryllium	<b>0.000052J</b>	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 21:32	7440-41-7	
Boron	<b>0.015J</b>	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 21:32	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 21:32	7440-43-9	
Calcium	<b>31.9</b>	mg/L	25.0	0.69	50	03/20/19 14:34	03/21/19 21:38	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 21:32	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 21:32	7440-48-4	
Copper	<b>0.0022J</b>	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 21:32	7440-50-8	
Lead	<b>0.00031J</b>	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 21:32	7439-92-1	
Nickel	<b>0.0010J</b>	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 21:32	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 21:32	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 21:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 21:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 21:32	7440-62-2	
Zinc	<b>0.0021J</b>	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 21:32	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 10:01	03/20/19 14:46	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>157</b>	mg/L	25.0	10.0	1		03/21/19 17:58		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>2.9</b>	mg/L	0.25	0.024	1		03/23/19 02:48	16887-00-6	
Fluoride	<b>0.040J</b>	mg/L	0.30	0.029	1		03/23/19 02:48	16984-48-8	
Sulfate	<b>8.9</b>	mg/L	1.0	0.017	1		03/23/19 02:48	14808-79-8	

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

Sample: GWA-42		Lab ID: 2616193003		Collected: 03/14/19 16:20		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 21:43	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 21:43	7440-38-2		
Barium	<b>0.0066J</b>	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 21:43	7440-39-3		
Beryllium	<b>0.00017J</b>	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 21:43	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 21:43	7440-42-8		
Cadmium	<b>0.00013J</b>	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 21:43	7440-43-9		
Calcium	<b>32.0</b>	mg/L	25.0	0.69	50	03/20/19 14:34	03/21/19 21:49	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 21:43	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 21:43	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 21:43	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 21:43	7439-92-1		
Nickel	<b>0.0015J</b>	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 21:43	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 21:43	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 21:43	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 21:43	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 21:43	7440-62-2		
Zinc	<b>0.010</b>	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 21:43	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 10:01	03/20/19 14:49	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>157</b>	mg/L	25.0	10.0	1		03/21/19 17:58			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>3.6</b>	mg/L	0.25	0.024	1		03/23/19 03:11	16887-00-6		
Fluoride	<b>0.058J</b>	mg/L	0.30	0.029	1		03/23/19 03:11	16984-48-8		
Sulfate	<b>2.2</b>	mg/L	1.0	0.017	1		03/23/19 03:11	14808-79-8		

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

Sample: GWC-44		Lab ID: 2616193004		Collected: 03/14/19 09:45		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 21:55	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 21:55	7440-38-2		
Barium	<b>0.077</b>	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 21:55	7440-39-3		
Beryllium	<b>0.000078J</b>	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 21:55	7440-41-7		
Boron	<b>0.018J</b>	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 21:55	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 21:55	7440-43-9		
Calcium	<b>17.2J</b>	mg/L	25.0	0.69	50	03/20/19 14:34	03/21/19 22:01	7440-70-2	D3	
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 21:55	7440-47-3		
Cobalt	<b>0.0022J</b>	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 21:55	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 21:55	7440-50-8		
Lead	<b>0.00077J</b>	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 21:55	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 21:55	7440-02-0		
Selenium	<b>0.0042J</b>	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 21:55	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 21:55	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 21:55	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 21:55	7440-62-2		
Zinc	<b>0.0039J</b>	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 21:55	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 10:01	03/20/19 14:56	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>110</b>	mg/L	25.0	10.0	1		03/21/19 17:58			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>6.4</b>	mg/L	0.25	0.024	1		03/23/19 03:34	16887-00-6		
Fluoride	<b>0.13J</b>	mg/L	0.30	0.029	1		03/23/19 03:34	16984-48-8		
Sulfate	<b>79.7</b>	mg/L	5.0	0.085	5		03/26/19 10:58	14808-79-8		

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

Sample: GWC-45		Lab ID: 2616193005		Collected: 03/14/19 13:27		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	<b>0.0015J</b>	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 22:06	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 22:06	7440-38-2		
Barium	<b>0.0066J</b>	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 22:06	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 22:06	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 22:06	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 22:06	7440-43-9		
Calcium	<b>0.90</b>	mg/L	0.50	0.014	1	03/20/19 14:34	03/21/19 22:06	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 22:06	7440-47-3		
Cobalt	<b>0.0015J</b>	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 22:06	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 22:06	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 22:06	7439-92-1		
Nickel	<b>0.0010J</b>	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 22:06	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 22:06	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 22:06	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 22:06	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 22:06	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 22:06	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 10:01	03/20/19 14:58	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>39.0</b>	mg/L	25.0	10.0	1		03/21/19 17:58			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.3</b>	mg/L	0.25	0.024	1		03/21/19 21:54	16887-00-6	B,M1	
Fluoride	ND	mg/L	0.30	0.029	1		03/21/19 21:54	16984-48-8		
Sulfate	<b>0.72J</b>	mg/L	1.0	0.017	1		03/21/19 21:54	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

Sample: GWC-45R		Lab ID: 2616193006		Collected: 03/14/19 11:07		Received: 03/15/19 15:40		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 22:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 22:29	7440-38-2	
Barium	<b>0.024</b>	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 22:29	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 22:29	7440-41-7	
Boron	<b>0.0060J</b>	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 22:29	7440-42-8	
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 22:29	7440-43-9	
Calcium	<b>37.0</b>	mg/L	25.0	0.69	50	03/20/19 14:34	03/21/19 22:35	7440-70-2	
Chromium	ND	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 22:29	7440-47-3	
Cobalt	ND	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 22:29	7440-48-4	
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 22:29	7440-50-8	
Lead	ND	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 22:29	7439-92-1	
Nickel	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 22:29	7440-02-0	
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 22:29	7782-49-2	
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 22:29	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 22:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 22:29	7440-62-2	
Zinc	<b>0.0022J</b>	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 22:29	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 10:01	03/20/19 15:01	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>195</b>	mg/L	25.0	10.0	1		03/21/19 17:58		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>4.3</b>	mg/L	0.25	0.024	1		03/21/19 23:03	16887-00-6	
Fluoride	<b>0.039J</b>	mg/L	0.30	0.029	1		03/21/19 23:03	16984-48-8	
Sulfate	<b>4.3</b>	mg/L	1.0	0.017	1		03/21/19 23:03	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List  
Pace Project No.: 2616193

Sample: GWA-39RZ		Lab ID: 2616193007		Collected: 03/14/19 17:27		Received: 03/15/19 15:40		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	0.014	mg/L	0.0030	0.00078	1	03/20/19 14:34	03/21/19 22:41	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/20/19 14:34	03/21/19 22:41	7440-38-2		
Barium	0.018	mg/L	0.010	0.00078	1	03/20/19 14:34	03/21/19 22:41	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/20/19 14:34	03/21/19 22:41	7440-41-7		
Boron	0.0059J	mg/L	0.040	0.0039	1	03/20/19 14:34	03/21/19 22:41	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/20/19 14:34	03/21/19 22:41	7440-43-9		
Calcium	33.0	mg/L	25.0	0.69	50	03/20/19 14:34	03/21/19 22:46	7440-70-2		
Chromium	0.0040J	mg/L	0.010	0.0016	1	03/20/19 14:34	03/21/19 22:41	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/20/19 14:34	03/21/19 22:41	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/20/19 14:34	03/21/19 22:41	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/20/19 14:34	03/21/19 22:41	7439-92-1		
Nickel	0.0017J	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 22:41	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/20/19 14:34	03/21/19 22:41	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/20/19 14:34	03/21/19 22:41	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/20/19 14:34	03/21/19 22:41	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/20/19 14:34	03/21/19 22:41	7440-62-2		
Zinc	0.0035J	mg/L	0.010	0.0021	1	03/20/19 14:34	03/21/19 22:41	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/20/19 10:01	03/20/19 15:03	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	154	mg/L	25.0	10.0	1		03/21/19 17:58			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	2.8	mg/L	0.25	0.024	1		03/21/19 23:25	16887-00-6	B	
Fluoride	0.066J	mg/L	0.30	0.029	1		03/21/19 23:25	16984-48-8		
Sulfate	9.3	mg/L	1.0	0.017	1		03/21/19 23:25	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

QC Batch: 24668

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Associated Lab Samples: 2616193001, 2616193002, 2616193003, 2616193004, 2616193005, 2616193006, 2616193007

METHOD BLANK: 110914

Matrix: Water

Associated Lab Samples: 2616193001, 2616193002, 2616193003, 2616193004, 2616193005, 2616193006, 2616193007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/20/19 14:27	

LABORATORY CONTROL SAMPLE: 110915

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 110916

110917

Parameter	Units	2616193001 Result	MS		MSD		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result	MSD Result							
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0025	97	101	75-125	4	20		

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616193

QC Batch: 24707 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2616193001, 2616193002, 2616193003, 2616193004, 2616193005, 2616193006, 2616193007

METHOD BLANK: 111121 Matrix: Water  
Associated Lab Samples: 2616193001, 2616193002, 2616193003, 2616193004, 2616193005, 2616193006, 2616193007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/21/19 19:09	
Arsenic	mg/L	ND	0.0050	0.00057	03/21/19 19:09	
Barium	mg/L	ND	0.010	0.00078	03/21/19 19:09	
Beryllium	mg/L	ND	0.0030	0.000050	03/21/19 19:09	
Boron	mg/L	ND	0.040	0.0039	03/21/19 19:09	
Cadmium	mg/L	ND	0.0010	0.000093	03/21/19 19:09	
Calcium	mg/L	ND	0.50	0.014	03/21/19 19:09	
Chromium	mg/L	ND	0.010	0.0016	03/21/19 19:09	
Cobalt	mg/L	ND	0.010	0.00052	03/21/19 19:09	
Copper	mg/L	ND	0.025	0.0013	03/21/19 19:09	
Lead	mg/L	ND	0.0050	0.00027	03/21/19 19:09	
Nickel	mg/L	ND	0.010	0.00095	03/21/19 19:09	
Selenium	mg/L	ND	0.010	0.0014	03/21/19 19:09	
Silver	mg/L	ND	0.010	0.00095	03/21/19 19:09	
Thallium	mg/L	ND	0.0010	0.00014	03/21/19 19:09	
Vanadium	mg/L	ND	0.010	0.0019	03/21/19 19:09	
Zinc	mg/L	ND	0.010	0.0021	03/21/19 19:09	

LABORATORY CONTROL SAMPLE: 111122

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	107	80-120	
Arsenic	mg/L	0.1	0.10	104	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.10	105	80-120	
Calcium	mg/L	1	1.0	101	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.10	100	80-120	
Copper	mg/L	0.1	0.10	102	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.10	105	80-120	
Silver	mg/L	0.1	0.11	106	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	
Vanadium	mg/L	0.1	0.11	105	80-120	
Zinc	mg/L	0.1	0.10	103	80-120	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

Parameter	Units	111123		111124		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		2616193001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	106	75-125	2	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	103	105	75-125	2	20		
Barium	mg/L	0.028	0.1	0.1	0.13	0.13	101	100	75-125	1	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20		
Boron	mg/L	0.0070J	1	1	0.96	0.99	95	98	75-125	3	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20		
Calcium	mg/L	22.7J	1	1	23.3J	23.3J	67	68	75-125	0	20	M6	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	1	20		
Cobalt	mg/L	ND	0.1	0.1	0.098	0.096	97	96	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.10	101	99	75-125	1	20		
Lead	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20		
Nickel	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	105	103	75-125	2	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	101	104	75-125	2	20		
Thallium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20		
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	1	20		
Zinc	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	1	20		

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

QC Batch: 24757 Analysis Method: SM 2540C

QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids

Associated Lab Samples: 2616193001, 2616193002, 2616193003, 2616193004, 2616193005, 2616193006, 2616193007

LABORATORY CONTROL SAMPLE: 111467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	414	104	84-108	

SAMPLE DUPLICATE: 111468

Parameter	Units	2616160007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	340	330	3	10	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616193

QC Batch: 24797 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2616193001, 2616193002, 2616193003, 2616193004

METHOD BLANK: 111639 Matrix: Water  
Associated Lab Samples: 2616193001, 2616193002, 2616193003, 2616193004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.024	03/22/19 00:57	
Fluoride	mg/L	ND	0.30	0.029	03/22/19 00:57	
Sulfate	mg/L	ND	1.0	0.017	03/22/19 00:57	

LABORATORY CONTROL SAMPLE: 111640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.7	97	90-110	
Fluoride	mg/L	10	10.1	101	90-110	
Sulfate	mg/L	10	10.8	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 111641 111642

Parameter	Units	2616189001 Result	MS Spike Conc.	MSD Spike Conc.	111641		111642		% Rec Limits	RPD	Max RPD	Qual
					MS Result	MSD Result	MS % Rec	MSD % Rec				
Chloride	mg/L	2.2	10	10	11.8	11.8	96	96	90-110	0	15	
Fluoride	mg/L	0.045J	10	10	10.2	10.2	102	102	90-110	0	15	
Sulfate	mg/L	2.1	10	10	12.5	12.5	103	104	90-110	0	15	

MATRIX SPIKE SAMPLE: 111643

Parameter	Units	2616189002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.6	10	11.6	101	90-110	
Fluoride	mg/L	ND	10	10.6	106	90-110	
Sulfate	mg/L	0.43J	10	11.3	109	90-110	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

QC Batch: 24801 Analysis Method: EPA 300.0  
 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
 Associated Lab Samples: 2616193005, 2616193006, 2616193007

METHOD BLANK: 111657 Matrix: Water

Associated Lab Samples: 2616193005, 2616193006, 2616193007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	0.31	0.25	0.024	03/21/19 21:08	
Fluoride	mg/L	ND	0.30	0.029	03/21/19 21:08	
Sulfate	mg/L	ND	1.0	0.017	03/21/19 21:08	

LABORATORY CONTROL SAMPLE: 111658

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.7	97	90-110	
Fluoride	mg/L	10	10.1	101	90-110	
Sulfate	mg/L	10	10.7	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 111659 111660

Parameter	Units	2616193005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.3	10	10	10.4	ND	91	-13	90-110		15	M1
Fluoride	mg/L	ND	10	10	9.7	10.0	97	100	90-110	3	15	
Sulfate	mg/L	0.72J	10	10	10.7	11.0	100	103	90-110	3	15	

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## QUALIFIERS

Project: Plant Bowen cells-State List

Pace Project No.: 2616193

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

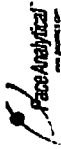
Project: Plant Bowen cells-State List

Pace Project No.: 2616193

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2616193001	GWA-41	EPA 3005A	24707	EPA 6020B	24750
2616193002	GWA-41R	EPA 3005A	24707	EPA 6020B	24750
2616193003	GWA-42	EPA 3005A	24707	EPA 6020B	24750
2616193004	GWC-44	EPA 3005A	24707	EPA 6020B	24750
2616193005	GWC-45	EPA 3005A	24707	EPA 6020B	24750
2616193006	GWC-45R	EPA 3005A	24707	EPA 6020B	24750
2616193007	GWA-39RZ	EPA 3005A	24707	EPA 6020B	24750
2616193001	GWA-41	EPA 7470A	24668	EPA 7470A	24709
2616193002	GWA-41R	EPA 7470A	24668	EPA 7470A	24709
2616193003	GWA-42	EPA 7470A	24668	EPA 7470A	24709
2616193004	GWC-44	EPA 7470A	24668	EPA 7470A	24709
2616193005	GWC-45	EPA 7470A	24668	EPA 7470A	24709
2616193006	GWC-45R	EPA 7470A	24668	EPA 7470A	24709
2616193007	GWA-39RZ	EPA 7470A	24668	EPA 7470A	24709
2616193001	GWA-41	SM 2540C	24757		
2616193002	GWA-41R	SM 2540C	24757		
2616193003	GWA-42	SM 2540C	24757		
2616193004	GWC-44	SM 2540C	24757		
2616193005	GWC-45	SM 2540C	24757		
2616193006	GWC-45R	SM 2540C	24757		
2616193007	GWA-39RZ	SM 2540C	24757		
2616193001	GWA-41	EPA 300.0	24797		
2616193002	GWA-41R	EPA 300.0	24797		
2616193003	GWA-42	EPA 300.0	24797		
2616193004	GWC-44	EPA 300.0	24797		
2616193005	GWC-45	EPA 300.0	24801		
2616193006	GWC-45R	EPA 300.0	24801		
2616193007	GWA-39RZ	EPA 300.0	24801		

### REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A  
 Required Client Information:  
 Company: Georgia Power - Coal Combustion Residuals  
 Address: 2480 Manser Road, Atlanta, GA 30339  
 Email: jbraham@southernco.com  
 Phone: (404)506-7239  
 Requested Due Date:

Section B  
 Required Project Information:  
 Report To: Joji Abraham  
 Copy To: Wood Environmental  
 Purchase Order #: SCS10348606  
 Project Name: Plant Bowen Cells - State List  
 Project #:

Section C  
 Invoice Information:  
 Attention: scsvoices@southernco.com  
 Company Name:  
 Address:  
 Pace Order:  
 Pace Project Manager: betsy.mcdaniel@pacestudies.com  
 Pace Profile #: 317.5

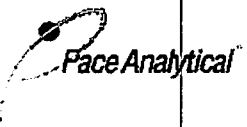
Page: 1 of 1

ITEM #	MATRIX CODE (see valid codes to left)	COLLECTED		SAMPLE TYPE (G-GRAB C-COMP)	SAMPLE TEMP AT COLLECTION		# OF CONTAINERS	PRESERVATIVES								ANALYTES TESTED	RESIDUAL CHLORINE (Y/N)
		START DATE	END DATE		TIME	TIME		H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			
1	WTG	3/11/19	0856	G			2	1	1							X	
2	WTG	3/11/19	1353	G			2	1	1							X	
3	WTG	3/11/19	1620	G			2	1	1							X	
4	WTG	3/11/19	0945	G			2	1	1							X	
5	WTG	3/11/19	1527	G			2	1	1							X	
6	WTG	3/11/19	1107	G			2	1	1							X	
7	WTG	3/11/19	1727	G			2	1	1							X	

ADDITIONAL COMMENTS: Cindy Marks 3/15/19 2:45 M. KATHMAN 3/15/19 1448  
 Cells 9+10  
 Received on: 0.54  
 Temp in C: 7  
 Samples (Y/N):  
 Cooler (Y/N):  
 Sealed (Y/N):  
 Custody (Y/N):  
 Received on: 3/14/19  
 DATE Signed: 3/14/19  
 SIGNATURE OF SAMPLER: M. B. Mull  
 SIGNATURE OF SAMPLER: Doyet Mull / Veronica Fay

NO# : 2616193  

 2616193



Sample Condition Upon Receipt

Client Name: GIA Power

Project # \_\_\_\_\_

WO#: **2616193**

PM: BM

Due Date: 03/22/19

CLIENT: GAPower-CCR

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other  
Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used 83 Type of Ice:  Wet  Blue  None

Cooler Temperature 0.5 Biological Tissue is Frozen: Yes No  
Temp should be above freezing to 6°C

Samples on ice, cooling process has begun

Date and Initials of person examining contents: 3/15/19 MR

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.		
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.		
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.		
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.		
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.		
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.		
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.		
Sample Labels match COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.		
-Includes date/time/ID/Analysis Matrix:	<u>W</u>			
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.		
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Pace Trip Blank Lot # (if purchased):	_____			

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

March 26, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

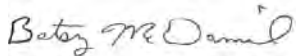
RE: Project: Plant Bowen cells-State List  
Pace Project No.: 2616284

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 19, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen cells-State List

Pace Project No.: 2616284

---

### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen cells-State List

Pace Project No.: 2616284

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2616284001	GWC-46R	Water	03/18/19 09:48	03/19/19 12:55
2616284002	GWC-49R	Water	03/18/19 14:10	03/19/19 12:55
2616284003	FBL031819	Water	03/18/19 15:30	03/19/19 12:55
2616284004	EQBL031819	Water	03/18/19 15:35	03/19/19 12:55
2616284005	Dup-2	Water	03/18/19 00:00	03/19/19 12:55

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen cells-State List

Pace Project No.: 2616284

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2616284001	GWC-46R	EPA 6020B	KLH	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616284002	GWC-49R	EPA 6020B	KLH	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616284003	FBL031819	EPA 6020B	KLH	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616284004	EQBL031819	EPA 6020B	KLH	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616284005	Dup-2	EPA 6020B	KLH	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616284

Sample: <b>GWC-46R</b>		Lab ID: <b>2616284001</b>		Collected: 03/18/19 09:48		Received: 03/19/19 12:55		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/21/19 14:00	03/22/19 20:42	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/21/19 14:00	03/22/19 20:42	7440-38-2		
Barium	<b>0.014</b>	mg/L	0.010	0.00078	1	03/21/19 14:00	03/22/19 20:42	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/21/19 14:00	03/22/19 20:42	7440-41-7		
Boron	<b>0.022J</b>	mg/L	0.040	0.0039	1	03/21/19 14:00	03/22/19 20:42	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/21/19 14:00	03/22/19 20:42	7440-43-9		
Calcium	<b>46.1</b>	mg/L	25.0	0.69	50	03/21/19 14:00	03/22/19 20:48	7440-70-2		
Chromium	<b>0.0022J</b>	mg/L	0.010	0.0016	1	03/21/19 14:00	03/22/19 20:42	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/21/19 14:00	03/22/19 20:42	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/21/19 14:00	03/22/19 20:42	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/21/19 14:00	03/22/19 20:42	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/21/19 14:00	03/22/19 20:42	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/21/19 14:00	03/22/19 20:42	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/21/19 14:00	03/22/19 20:42	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/21/19 14:00	03/22/19 20:42	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/21/19 14:00	03/22/19 20:42	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/21/19 14:00	03/22/19 20:42	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/25/19 08:29	03/25/19 14:37	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>251</b>	mg/L	25.0	10.0	1		03/22/19 12:54			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.8</b>	mg/L	0.25	0.024	1		03/24/19 20:59	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/24/19 20:59	16984-48-8		
Sulfate	<b>4.4</b>	mg/L	1.0	0.017	1		03/24/19 20:59	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616284

Sample: GWC-49R		Lab ID: 2616284002		Collected: 03/18/19 14:10		Received: 03/19/19 12:55		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/21/19 14:00	03/22/19 20:54	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/21/19 14:00	03/22/19 20:54	7440-38-2		
Barium	<b>0.015</b>	mg/L	0.010	0.00078	1	03/21/19 14:00	03/22/19 20:54	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/21/19 14:00	03/22/19 20:54	7440-41-7		
Boron	<b>0.0099J</b>	mg/L	0.040	0.0039	1	03/21/19 14:00	03/22/19 20:54	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/21/19 14:00	03/22/19 20:54	7440-43-9		
Calcium	<b>31.0</b>	mg/L	25.0	0.69	50	03/21/19 14:00	03/22/19 21:00	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/21/19 14:00	03/22/19 20:54	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/21/19 14:00	03/22/19 20:54	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/21/19 14:00	03/22/19 20:54	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/21/19 14:00	03/22/19 20:54	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/21/19 14:00	03/22/19 20:54	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/21/19 14:00	03/22/19 20:54	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/21/19 14:00	03/22/19 20:54	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/21/19 14:00	03/22/19 20:54	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/21/19 14:00	03/22/19 20:54	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/21/19 14:00	03/22/19 20:54	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/25/19 08:29	03/25/19 15:30	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>170</b>	mg/L	25.0	10.0	1		03/22/19 12:54			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.7</b>	mg/L	0.25	0.024	1		03/24/19 21:22	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/24/19 21:22	16984-48-8		
Sulfate	<b>5.8</b>	mg/L	1.0	0.017	1		03/24/19 21:22	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616284

Sample: <b>FBL031819</b>		Lab ID: <b>2616284003</b>		Collected: 03/18/19 15:30		Received: 03/19/19 12:55		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/21/19 14:00	03/22/19 21:17	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/21/19 14:00	03/22/19 21:17	7440-38-2		
Barium	ND	mg/L	0.010	0.00078	1	03/21/19 14:00	03/22/19 21:17	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/21/19 14:00	03/22/19 21:17	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/21/19 14:00	03/22/19 21:17	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/21/19 14:00	03/22/19 21:17	7440-43-9		
Calcium	ND	mg/L	0.50	0.014	1	03/21/19 14:00	03/22/19 21:17	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/21/19 14:00	03/22/19 21:17	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/21/19 14:00	03/22/19 21:17	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/21/19 14:00	03/22/19 21:17	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/21/19 14:00	03/22/19 21:17	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/21/19 14:00	03/22/19 21:17	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/21/19 14:00	03/22/19 21:17	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/21/19 14:00	03/22/19 21:17	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/21/19 14:00	03/22/19 21:17	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/21/19 14:00	03/22/19 21:17	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/21/19 14:00	03/22/19 21:17	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/25/19 08:29	03/25/19 15:32	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>19.0J</b>	mg/L	25.0	10.0	1		03/22/19 12:55			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	ND	mg/L	0.25	0.024	1		03/24/19 22:07	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/24/19 22:07	16984-48-8		
Sulfate	ND	mg/L	1.0	0.017	1		03/24/19 22:07	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616284

Sample: EQBL031819		Lab ID: 2616284004		Collected: 03/18/19 15:35		Received: 03/19/19 12:55		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/21/19 14:00	03/22/19 21:28	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/21/19 14:00	03/22/19 21:28	7440-38-2		
Barium	ND	mg/L	0.010	0.00078	1	03/21/19 14:00	03/22/19 21:28	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/21/19 14:00	03/22/19 21:28	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/21/19 14:00	03/22/19 21:28	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/21/19 14:00	03/22/19 21:28	7440-43-9		
Calcium	<b>0.016J</b>	mg/L	0.50	0.014	1	03/21/19 14:00	03/22/19 21:28	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/21/19 14:00	03/22/19 21:28	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/21/19 14:00	03/22/19 21:28	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/21/19 14:00	03/22/19 21:28	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/21/19 14:00	03/22/19 21:28	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/21/19 14:00	03/22/19 21:28	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/21/19 14:00	03/22/19 21:28	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/21/19 14:00	03/22/19 21:28	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/21/19 14:00	03/22/19 21:28	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/21/19 14:00	03/22/19 21:28	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/21/19 14:00	03/22/19 21:28	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/25/19 08:29	03/25/19 15:34	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>18.0J</b>	mg/L	25.0	10.0	1		03/22/19 12:55			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>0.057J</b>	mg/L	0.25	0.024	1		03/24/19 22:30	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/24/19 22:30	16984-48-8		
Sulfate	ND	mg/L	1.0	0.017	1		03/24/19 22:30	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616284

Sample: Dup-2		Lab ID: 2616284005		Collected: 03/18/19 00:00		Received: 03/19/19 12:55		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/21/19 14:00	03/22/19 21:40	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/21/19 14:00	03/22/19 21:40	7440-38-2		
Barium	<b>0.015</b>	mg/L	0.010	0.00078	1	03/21/19 14:00	03/22/19 21:40	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/21/19 14:00	03/22/19 21:40	7440-41-7		
Boron	<b>0.0058J</b>	mg/L	0.040	0.0039	1	03/21/19 14:00	03/22/19 21:40	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/21/19 14:00	03/22/19 21:40	7440-43-9		
Calcium	<b>30.3</b>	mg/L	25.0	0.69	50	03/21/19 14:00	03/22/19 21:45	7440-70-2		
Chromium	ND	mg/L	0.010	0.0016	1	03/21/19 14:00	03/22/19 21:40	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/21/19 14:00	03/22/19 21:40	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/21/19 14:00	03/22/19 21:40	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/21/19 14:00	03/22/19 21:40	7439-92-1		
Nickel	ND	mg/L	0.010	0.00095	1	03/21/19 14:00	03/22/19 21:40	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/21/19 14:00	03/22/19 21:40	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/21/19 14:00	03/22/19 21:40	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/21/19 14:00	03/22/19 21:40	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/21/19 14:00	03/22/19 21:40	7440-62-2		
Zinc	ND	mg/L	0.010	0.0021	1	03/21/19 14:00	03/22/19 21:40	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.000036	1	03/25/19 08:29	03/25/19 15:37	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>157</b>	mg/L	25.0	10.0	1		03/22/19 12:55			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.8</b>	mg/L	0.25	0.024	1		03/24/19 22:52	16887-00-6		
Fluoride	ND	mg/L	0.30	0.029	1		03/24/19 22:52	16984-48-8		
Sulfate	<b>5.9</b>	mg/L	1.0	0.017	1		03/24/19 22:52	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: Plant Bowen cells-State List

Pace Project No.: 2616284

QC Batch: 24984 Analysis Method: EPA 7470A  
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
 Associated Lab Samples: 2616284001, 2616284002, 2616284003, 2616284004, 2616284005

METHOD BLANK: 112756 Matrix: Water  
 Associated Lab Samples: 2616284001, 2616284002, 2616284003, 2616284004, 2616284005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/25/19 14:33	

LABORATORY CONTROL SAMPLE: 112757

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 112758 112759

Parameter	Units	2616284001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0024	91	94	75-125	3	20	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616284

QC Batch: 24808 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2616284001, 2616284002, 2616284003, 2616284004, 2616284005

METHOD BLANK: 111716 Matrix: Water  
Associated Lab Samples: 2616284001, 2616284002, 2616284003, 2616284004, 2616284005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/22/19 20:08	
Arsenic	mg/L	ND	0.0050	0.00057	03/22/19 20:08	
Barium	mg/L	ND	0.010	0.00078	03/22/19 20:08	
Beryllium	mg/L	ND	0.0030	0.000050	03/22/19 20:08	
Boron	mg/L	ND	0.040	0.0039	03/22/19 20:08	
Cadmium	mg/L	ND	0.0010	0.000093	03/22/19 20:08	
Calcium	mg/L	ND	0.50	0.014	03/22/19 20:08	
Chromium	mg/L	ND	0.010	0.0016	03/22/19 20:08	
Cobalt	mg/L	ND	0.010	0.00052	03/22/19 20:08	
Copper	mg/L	ND	0.025	0.0013	03/22/19 20:08	
Lead	mg/L	ND	0.0050	0.00027	03/22/19 20:08	
Nickel	mg/L	ND	0.010	0.00095	03/22/19 20:08	
Selenium	mg/L	ND	0.010	0.0014	03/22/19 20:08	
Silver	mg/L	ND	0.010	0.00095	03/22/19 20:08	
Thallium	mg/L	ND	0.0010	0.00014	03/22/19 20:08	
Vanadium	mg/L	ND	0.010	0.0019	03/22/19 20:08	
Zinc	mg/L	ND	0.010	0.0021	03/22/19 20:08	

LABORATORY CONTROL SAMPLE: 111717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	105	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	1	0.97	97	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Calcium	mg/L	1	1.0	101	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	
Copper	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.10	104	80-120	
Silver	mg/L	0.1	0.10	105	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	
Zinc	mg/L	0.1	0.10	102	80-120	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616284

Parameter	Units	2616369003		111718		111719		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	105	103	75-125	2	20			
Arsenic	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20			
Barium	mg/L	0.015	0.1	0.1	0.11	0.11	98	97	75-125	1	20			
Beryllium	mg/L	0.00011J	0.1	0.1	0.093	0.093	93	93	75-125	0	20			
Boron	mg/L	1.1	1	1	1.9	2.0	81	90	75-125	5	20			
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20			
Calcium	mg/L	60.2	1	1	63.0	63.0	284	286	75-125	0	20	M6		
Chromium	mg/L	ND	0.1	0.1	0.10	0.098	99	98	75-125	1	20			
Cobalt	mg/L	0.0079J	0.1	0.1	0.10	0.10	96	96	75-125	1	20			
Copper	mg/L	ND	0.1	0.1	0.099	0.097	98	96	75-125	2	20			
Lead	mg/L	ND	0.1	0.1	0.095	0.094	95	93	75-125	2	20			
Nickel	mg/L	0.0016J	0.1	0.1	0.099	0.098	97	97	75-125	1	20			
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20			
Silver	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	1	20			
Thallium	mg/L	ND	0.1	0.1	0.095	0.094	95	94	75-125	1	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	103	101	75-125	2	20			
Zinc	mg/L	0.0028J	0.1	0.1	0.10	0.10	99	99	75-125	0	20			

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616284

QC Batch: 24873 Analysis Method: SM 2540C  
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids  
Associated Lab Samples: 2616284001, 2616284002, 2616284003, 2616284004, 2616284005

LABORATORY CONTROL SAMPLE: 112147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	425	106	84-108	

SAMPLE DUPLICATE: 112148

Parameter	Units	2616179002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	15.0J	17.0J	12	10	D6

SAMPLE DUPLICATE: 112340

Parameter	Units	2616369004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	161	20.0J	156	10	D6

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616284

QC Batch: 24985 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2616284001, 2616284002, 2616284003, 2616284004, 2616284005

METHOD BLANK: 112760 Matrix: Water  
Associated Lab Samples: 2616284001, 2616284002, 2616284003, 2616284004, 2616284005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.024	03/24/19 14:11	
Fluoride	mg/L	ND	0.30	0.029	03/24/19 14:11	
Sulfate	mg/L	ND	1.0	0.017	03/24/19 14:11	

LABORATORY CONTROL SAMPLE: 112761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10	100	90-110	
Fluoride	mg/L	10	9.9	99	90-110	
Sulfate	mg/L	10	9.4	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 112762 112763

Parameter	Units	2616191001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.3	10	10	14.8	15.2	85	88	90-110	2	15	M1
Fluoride	mg/L	ND	10	10	9.0	9.5	90	95	90-110	5	15	
Sulfate	mg/L	22.0	10	10	28.9	29.2	69	72	90-110	1	15	M1

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## QUALIFIERS

Project: Plant Bowen cells-State List

Pace Project No.: 2616284

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

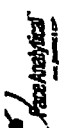
Project: Plant Bowen cells-State List

Pace Project No.: 2616284

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2616284001	GWC-46R	EPA 3005A	24808	EPA 6020B	24824
2616284002	GWC-49R	EPA 3005A	24808	EPA 6020B	24824
2616284003	FBL031819	EPA 3005A	24808	EPA 6020B	24824
2616284004	EQBL031819	EPA 3005A	24808	EPA 6020B	24824
2616284005	Dup-2	EPA 3005A	24808	EPA 6020B	24824
2616284001	GWC-46R	EPA 7470A	24984	EPA 7470A	25051
2616284002	GWC-49R	EPA 7470A	24984	EPA 7470A	25051
2616284003	FBL031819	EPA 7470A	24984	EPA 7470A	25051
2616284004	EQBL031819	EPA 7470A	24984	EPA 7470A	25051
2616284005	Dup-2	EPA 7470A	24984	EPA 7470A	25051
2616284001	GWC-46R	SM 2540C	24873		
2616284002	GWC-49R	SM 2540C	24873		
2616284003	FBL031819	SM 2540C	24873		
2616284004	EQBL031819	SM 2540C	24873		
2616284005	Dup-2	SM 2540C	24873		
2616284001	GWC-46R	EPA 300.0	24985		
2616284002	GWC-49R	EPA 300.0	24985		
2616284003	FBL031819	EPA 300.0	24985		
2616284004	EQBL031819	EPA 300.0	24985		
2616284005	Dup-2	EPA 300.0	24985		

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

**Section A** Required Client Information: **Section B** Required Project Information: **Section C** Invoice Information:

Company: Georgia Power - Coal Combustion Residuals  
 Address: 2480 Marler Road, Atlanta, GA 30339  
 Email: jabraham@groundzero.com  
 Phone: (404) 506-7239  
 Fax: \_\_\_\_\_

Report To: Jopi Abraham  
 Copy To: Wood Environmental  
 Purchase Order #: SCS10348606  
 Project Name: Plant Bowen Cells - State List  
 Project #: \_\_\_\_\_

Attention: scs@wood.com  
 Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Pace Quota: \_\_\_\_\_  
 Pace Project Manager: babsy.medanal@pacelabs.com  
 Pace Profile #: 317.5

ITEM #	MATRIX	CODE	SAMPLE TYPE (G-RAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analytical Test	TDS, Cl, F, SO4	Metals 6020	Pb 7470	Residual Chlorine (Y/N)
				START DATE	END DATE															
1	Drinking Water	DW	WTG	3/19/19	0948		2													
2	Water	WT	WTG	3/19/19	1410		2													
3	Waste Water	WW	WTG	3/19/19	1530		2													
4	Process Water	WP	WTG	3/19/19	1535		2													
5	Sludge	SL	WTG	3/19/19	---		2													
6	Wipe	WP	WTG	3/19/19	---		2													
7	Air	AR	WTG	3/19/19	---		2													
8	Other	OT	WTG	3/19/19	---		2													
9	Tissue	TS	WTG	3/19/19	---		2													

**W0#: 2616284**

DATE RECEIVED BY: 3/19/19 10:27  
 DATE COLLECTED BY: 3/19/19 10:27

Signature: Robert Mull/Kevin Stokely  
 Signature: Robert Mull/Kevin Stokely  
 DATE SIGNED: 3/18/19

TEMP h c  
 Received on (DD)  
 Custody (Y/N)  
 Sealed (Y/N)  
 Cooler (Y/N)  
 Samples Intact (Y/N)





Sample Condition Upon Receipt

Client Name: GIA Power

Project # \_\_\_\_\_

WO#: **2616284**

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_  
Tracking #: \_\_\_\_\_

PM: BM Due Date: **03/26/19**  
CLIENT: **GAPower-CCR**

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used B3 Type of Ice:  Wet  Blue  None

Cooler Temperature 2.0 Biological Tissue is Frozen: Yes No  
Temp should be above freezing to 6°C

Samples on ice, cooling process has begun  
Date and Initials of person examining contents: 3/19/19 MR

Comments: \_\_\_\_\_

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.		
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.		
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.		
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.		
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.		
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.		
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.		
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.		
-Includes date/time/ID/Analysis Matrix:	<u>W</u>			
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.		
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

April 03, 2019

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

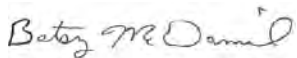
RE: Project: Plant Bowen cells-State List  
Pace Project No.: 2616510

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on March 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Betsy McDaniel  
betsy.mcdaniel@pacelabs.com  
(770)734-4200  
Project Manager

Enclosures

cc: Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw  
Rebecca Thornton, Pace Analytical Atlanta  
Greg Wrenn, Wood PLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Plant Bowen cells-State List

Pace Project No.: 2616510

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### Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Plant Bowen cells-State List

Pace Project No.: 2616510

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
2616510001	GWC-49Z	Water	03/19/19 10:28	03/22/19 14:20
2616510002	GWC-47R	Water	03/19/19 16:30	03/22/19 14:20

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Plant Bowen cells-State List

Pace Project No.: 2616510

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2616510001	GWC-49Z	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3
2616510002	GWC-47R	EPA 6020B	CSW	17
		EPA 7470A	DRB	1
		SM 2540C	RLC	1
		EPA 300.0	RLC	3

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List  
Pace Project No.: 2616510

Sample: GWC-49Z		Lab ID: 2616510001		Collected: 03/19/19 10:28		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	<b>0.0011J</b>	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 20:44	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 20:44	7440-38-2		
Barium	<b>0.0033J</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 20:44	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 20:44	7440-41-7		
Boron	<b>0.0043J</b>	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 20:44	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 20:44	7440-43-9		
Calcium	<b>1.1</b>	mg/L	0.50	0.014	1	03/27/19 13:02	03/28/19 20:44	7440-70-2		
Chromium	<b>0.0017J</b>	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 20:44	7440-47-3		
Cobalt	<b>0.00069J</b>	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 20:44	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 20:44	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 20:44	7439-92-1		
Nickel	<b>0.0047J</b>	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 20:44	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 20:44	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 20:44	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 20:44	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 20:44	7440-62-2		
Zinc	<b>0.0034J</b>	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 20:44	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.000045J</b>	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:32	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>35.0</b>	mg/L	25.0	10.0	1		03/26/19 22:17			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>1.1</b>	mg/L	0.25	0.024	1		04/02/19 15:38	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 15:38	16984-48-8		
Sulfate	<b>2.2</b>	mg/L	1.0	0.017	1		04/02/19 15:38	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Plant Bowen cells-State List

Pace Project No.: 2616510

Sample: GWC-47R		Lab ID: 2616510002		Collected: 03/19/19 16:30		Received: 03/22/19 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00078	1	03/27/19 13:02	03/28/19 20:55	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00057	1	03/27/19 13:02	03/28/19 20:55	7440-38-2		
Barium	<b>0.0088J</b>	mg/L	0.010	0.00078	1	03/27/19 13:02	03/28/19 20:55	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000050	1	03/27/19 13:02	03/28/19 20:55	7440-41-7		
Boron	ND	mg/L	0.040	0.0039	1	03/27/19 13:02	03/28/19 20:55	7440-42-8		
Cadmium	ND	mg/L	0.0010	0.000093	1	03/27/19 13:02	03/28/19 20:55	7440-43-9		
Calcium	<b>28.4</b>	mg/L	25.0	0.69	50	03/27/19 13:02	03/28/19 21:01	7440-70-2		
Chromium	<b>0.018</b>	mg/L	0.010	0.0016	1	03/27/19 13:02	03/28/19 20:55	7440-47-3		
Cobalt	ND	mg/L	0.010	0.00052	1	03/27/19 13:02	03/28/19 20:55	7440-48-4		
Copper	ND	mg/L	0.025	0.0013	1	03/27/19 13:02	03/28/19 20:55	7440-50-8		
Lead	ND	mg/L	0.0050	0.00027	1	03/27/19 13:02	03/28/19 20:55	7439-92-1		
Nickel	<b>0.0042J</b>	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 20:55	7440-02-0		
Selenium	ND	mg/L	0.010	0.0014	1	03/27/19 13:02	03/28/19 20:55	7782-49-2		
Silver	ND	mg/L	0.010	0.00095	1	03/27/19 13:02	03/28/19 20:55	7440-22-4		
Thallium	<b>0.00027J</b>	mg/L	0.0010	0.00014	1	03/27/19 13:02	03/28/19 20:55	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	03/27/19 13:02	03/28/19 20:55	7440-62-2		
Zinc	<b>0.016</b>	mg/L	0.010	0.0021	1	03/27/19 13:02	03/28/19 20:55	7440-66-6		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<b>0.000050J</b>	mg/L	0.00050	0.000036	1	03/27/19 15:11	03/28/19 11:34	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C								
Total Dissolved Solids	<b>154</b>	mg/L	25.0	10.0	1		03/26/19 22:17			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Chloride	<b>2.6</b>	mg/L	0.25	0.024	1		04/02/19 15:59	16887-00-6	B	
Fluoride	ND	mg/L	0.30	0.029	1		04/02/19 15:59	16984-48-8		
Sulfate	<b>14.8</b>	mg/L	1.0	0.017	1		04/02/19 15:59	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616510

QC Batch: 25266

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Associated Lab Samples: 2616510001, 2616510002

METHOD BLANK: 113834

Matrix: Water

Associated Lab Samples: 2616510001, 2616510002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000036	03/28/19 10:40	

LABORATORY CONTROL SAMPLE: 113835

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 113836

113837

Parameter	Units	113836		113837		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2616508001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury	mg/L	0.000039J	0.0025	0.0025	0.0025	0.0025	99	97	75-125	2	20

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616510

QC Batch: 25235 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Associated Lab Samples: 2616510001, 2616510002

METHOD BLANK: 113720 Matrix: Water

Associated Lab Samples: 2616510001, 2616510002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/28/19 17:23	
Arsenic	mg/L	ND	0.0050	0.00057	03/28/19 17:23	
Barium	mg/L	ND	0.010	0.00078	03/28/19 17:23	
Beryllium	mg/L	ND	0.0030	0.000050	03/28/19 17:23	
Boron	mg/L	ND	0.040	0.0039	03/28/19 17:23	
Cadmium	mg/L	ND	0.0010	0.000093	03/28/19 17:23	
Calcium	mg/L	ND	0.50	0.014	03/28/19 17:23	
Chromium	mg/L	ND	0.010	0.0016	03/28/19 17:23	
Cobalt	mg/L	ND	0.010	0.00052	03/28/19 17:23	
Copper	mg/L	ND	0.025	0.0013	03/28/19 17:23	
Lead	mg/L	ND	0.0050	0.00027	03/28/19 17:23	
Nickel	mg/L	ND	0.010	0.00095	03/28/19 17:23	
Selenium	mg/L	ND	0.010	0.0014	03/28/19 17:23	
Silver	mg/L	ND	0.010	0.00095	03/28/19 17:23	
Thallium	mg/L	ND	0.0010	0.00014	03/28/19 17:23	
Vanadium	mg/L	ND	0.010	0.0019	03/28/19 17:23	
Zinc	mg/L	ND	0.010	0.0021	03/28/19 17:23	

LABORATORY CONTROL SAMPLE: 113721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Calcium	mg/L	1	1.0	102	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.10	101	80-120	
Vanadium	mg/L	0.1	0.10	103	80-120	
Zinc	mg/L	0.1	0.10	100	80-120	

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616510

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 113722		113723		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		2616508004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20		
Arsenic	mg/L	0.00077J	0.1	0.1	0.10	0.10	103	102	75-125	1	20		
Barium	mg/L	0.030	0.1	0.1	0.13	0.13	103	102	75-125	1	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20		
Boron	mg/L	ND	1	1	0.99	0.98	99	98	75-125	0	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20		
Calcium	mg/L	25.2	1	1	26.6	25.8	144	65	75-125	3	20	M6	
Chromium	mg/L	ND	0.1	0.1	0.11	0.11	107	105	75-125	2	20		
Cobalt	mg/L	0.00059J	0.1	0.1	0.11	0.10	105	104	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20		
Lead	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20		
Nickel	mg/L	0.00099J	0.1	0.1	0.11	0.10	106	103	75-125	3	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20		
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	1	20		
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	108	108	75-125	0	20		
Zinc	mg/L	ND	0.1	0.1	0.10	0.11	102	113	75-125	10	20		

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List

Pace Project No.: 2616510

QC Batch: 25049

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Associated Lab Samples: 2616510001, 2616510002

LABORATORY CONTROL SAMPLE: 112956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	405	101	84-108	

SAMPLE DUPLICATE: 112957

Parameter	Units	2616510001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	35.0	36.0	3	10	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Plant Bowen cells-State List  
Pace Project No.: 2616510

QC Batch: 25371 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 2616510001, 2616510002

METHOD BLANK: 114378 Matrix: Water  
Associated Lab Samples: 2616510001, 2616510002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	0.31	0.25	0.024	03/29/19 15:25	
Fluoride	mg/L	ND	0.30	0.029	03/29/19 15:25	
Sulfate	mg/L	ND	1.0	0.017	03/29/19 15:25	

LABORATORY CONTROL SAMPLE: 114379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.3	103	90-110	
Fluoride	mg/L	10	10.2	102	90-110	
Sulfate	mg/L	10	10.9	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 114380 114381

Parameter	Units	2616508001		2616508002		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Chloride	mg/L	1.5	10	10	11.7	11.8	103	103	90-110	0	15		
Fluoride	mg/L	ND	10	10	10.2	10.1	102	101	90-110	1	15		
Sulfate	mg/L	1.7	10	10	12.8	12.9	110	112	90-110	1	15	M1	

MATRIX SPIKE SAMPLE: 114382

Parameter	Units	2616508002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.4	10	11.4	100	90-110	
Fluoride	mg/L	ND	10	10.0	100	90-110	
Sulfate	mg/L	2.7	10	13.3	106	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: Plant Bowen cells-State List

Pace Project No.: 2616510

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen cells-State List

Pace Project No.: 2616510

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2616510001	GWC-49Z	EPA 3005A	25235	EPA 6020B	25272
2616510002	GWC-47R	EPA 3005A	25235	EPA 6020B	25272
2616510001	GWC-49Z	EPA 7470A	25266	EPA 7470A	25309
2616510002	GWC-47R	EPA 7470A	25266	EPA 7470A	25309
2616510001	GWC-49Z	SM 2540C	25049		
2616510002	GWC-47R	SM 2540C	25049		
2616510001	GWC-49Z	EPA 300.0	25371		
2616510002	GWC-47R	EPA 300.0	25371		

### REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Georgia Power - Coal Combustion Residuals	Report To: Joy Abraham	Attention: scsmroces@southemco.com	Company Name:	Address:	State: GA
Address: 2480 Manor Road Atlanta, GA 30339	Copy To: Wood Environmental	Purchase Order #: SCS10348606	Address:	City:	Zip:
Email: j.abraham@southemco.com	Project Name: Plant Bowen Cells - State List	Project #:	Facility Project Manager: bobby.mcdaniel@pacelabs.com	City:	Zip:
Phone: (404)506-7239	Project #:	Facility Project #:	Facility Project #:	City:	Zip:
Requested Due Date:	Project #:	Facility Project #:	Facility Project #:	City:	Zip:

ITEM #	MATRIX	CODE	SAMPLE TYPE (Q=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES							ANALYTES	TDS, Cl, F, SO4	Metals 6020	Methyl 7470	Residual Chlorine (Y/N)
				START DATE	END DATE			H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other					
1	Drinking Water	DW	G	3/19/19	1028		2												
2	Waste Water	WW	G	3/19/19	1650		2												

**SAMPLE ID**  
One Character per box.  
(A-Z, 0-9 /, -)  
Sample IDs must be unique

GWC-49Z  
GWC-47R

NO#: 2616510



DATE	TIME	INITIALS	DATE	TIME	INITIALS	DATE	TIME	INITIALS
3/22/19	1048	[Signature]	3/22/19	1048	[Signature]	3/22/19	1920	[Signature]

FRONT Name of SAMPLER: Robert Mull / Kevin Stolenson  
DATE Signed: 3/19/19

SIGNATURE of SAMPLER: [Signature]

TEMP n c  
Received on  
Cooler (Y/N)  
Custody (Y/N)  
Intact (Y/N)

0.2 p f y



Sample Condition Upon Receipt

Client Name: GIA Power

Project # \_\_\_\_\_

WO#: **2616510**

PH: **BM** Due Date: **03/29/19**  
CLIENT: **GAPower-CCR**

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other  
Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used 83 Type of Ice:  Wet  Blue  None

Cooler Temperature 0.2

Biological Tissue is Frozen: Yes No

Samples on ice, cooling process has begun

Temp should be above freezing to 8°C

Comments:

Date and Initials of person examining contents: 3/22/19 AK

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.		
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.		
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.		
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.		
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.		
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.		
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.		
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.		
-Includes date/time/ID/Analysis Matrix:	<u>W</u>			
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.		
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



Product Name: Low-Flow System

Date: 2019-03-20 12:35:56

Project Information:

Operator Name Kevin Stephenson  
Company Name Resolute  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 152 ft

Pump placement from TOC 146.80 ft

Well Information:

Well ID GWA-1  
Well diameter 2 in  
Well Total Depth 151.80 ft  
Screen Length 10 ft  
Depth to Water 77.35 ft

Pumping Information:

Final Pumping Rate 140 mL/min  
Total System Volume 1.15844 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 123.96 in  
Total Volume Pumped 19.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	12:18:21	7439.96	17.54	7.64	305.32	5.61	87.44	1.41	17.81
Last 5	12:22:21	7679.96	17.40	7.64	305.13	5.38	87.51	1.45	17.86
Last 5	12:26:21	7919.96	17.54	7.63	304.33	4.97	87.55	1.47	17.48
Last 5	12:30:21	8159.96	17.71	7.64	304.48	4.73	87.61	1.51	17.45
Last 5	12:34:21	8399.95	17.58	7.64	304.35	4.54	87.68	1.54	16.84
Variance 0			0.14	-0.00	-0.80			0.02	-0.38
Variance 1			0.17	0.00	0.15			0.04	-0.03
Variance 2			-0.13	0.00	-0.14			0.03	-0.61

Notes

Pre-purged 9 liters

Grab Samples

GWA-1  
Metals  
GWA-1  
Inorganics  
Dup-1  
Metals

Product Name: Low-Flow System

Date: 2019-03-20 14:36:27

Project Information:

Operator Name Kevin Stephenson  
Company Name Resolute  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 154 ft

Pump placement from TOC 149.30 ft

Well Information:

Well ID GWA-2  
Well diameter 2 in  
Well Total Depth 154.30 ft  
Screen Length 10 ft  
Depth to Water 72.96 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 1.167367 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0.36 in  
Total Volume Pumped 3.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	14:18:50	960.02	16.03	5.99	25.94	0.26	72.97	5.36	40.91
Last 5	14:22:50	1200.02	16.02	5.82	24.08	0.13	72.98	5.42	46.73
Last 5	14:26:50	1440.01	16.02	5.75	23.98	0.29	72.98	5.37	50.90
Last 5	14:30:50	1680.02	15.95	5.73	24.08	0.18	72.97	5.36	54.37
Last 5	14:34:50	1920.01	16.01	5.71	24.01	0.24	72.99	5.37	57.19
Variance 0			0.01	-0.07	-0.10			-0.05	4.17
Variance 1			-0.08	-0.03	0.10			-0.01	3.47
Variance 2			0.06	-0.01	-0.06			0.01	2.82

Notes

Pre-purged .5 liters.

Grab Samples

GWA-2  
Metals  
GWA-2  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-19 12:03:57

Project Information:

Operator Name Kevin Stephenson  
Company Name Resolute  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 364455  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 107 ft

Pump placement from TOC 102.40 ft

Well Information:

Well ID GWA-2R  
Well diameter 2 in  
Well Total Depth 107.40 ft  
Screen Length 10 ft  
Depth to Water 73.35 ft

Pumping Information:

Final Pumping Rate 110 mL/min  
Total System Volume 0.9575863 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 9.48 in  
Total Volume Pumped 2.64 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	11:44:39	480.03	13.68	6.89	318.28	0.15	73.98	5.60	665.90
Last 5	11:48:39	720.03	14.12	7.06	365.17	0.41	74.04	5.42	679.23
Last 5	11:52:39	960.03	14.44	7.15	365.67	0.27	74.10	5.31	693.29
Last 5	11:56:39	1200.02	14.40	7.18	371.78	0.64	74.13	5.33	704.52
Last 5	12:00:39	1440.02	14.49	7.20	367.04	0.43	74.14	5.56	715.09
Variance 0			0.32	0.10	0.50			-0.11	14.05
Variance 1			-0.04	0.03	6.10			0.03	11.23
Variance 2			0.09	0.02	-4.74			0.22	10.57

Notes

Pre-purged 1 liter.

Grab Samples

GWA-2R  
Metals  
GWA-2R  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-20 16:18:22

Project Information:

Operator Name Kevin Stephenson  
Company Name Resolute  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 98 ft

Pump placement from TOC 93.20 ft

Well Information:

Well ID GWA-3  
Well diameter 2 in  
Well Total Depth 98.20 ft  
Screen Length 10 ft  
Depth to Water 45.56 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.9174154 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 87.84 in  
Total Volume Pumped 2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	15:56:17	240.07	19.68	5.27	19.99	0.77	52.54	7.04	221.89
Last 5	16:00:17	480.03	19.33	5.25	20.32	0.81	52.60	6.99	253.02
Last 5	16:04:17	720.02	18.40	5.23	20.10	0.73	52.67	6.81	339.57
Last 5	16:08:17	960.02	18.86	5.23	20.00	1.60	52.78	6.73	528.63
Last 5	16:12:17	1200.02	18.52	5.22	20.00	0.86	52.88	6.63	617.20
Variance 0			-0.92	-0.02	-0.22			-0.18	86.55
Variance 1			0.46	0.01	-0.10			-0.08	189.06
Variance 2			-0.34	-0.01	-0.00			-0.10	88.57

Notes

Pre-purged 5 liters

Grab Samples

GWA-3  
Metals  
GWA-3  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-20 12:40:12

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 121 ft

Pump placement from TOC 115 ft

Well Information:

Well ID GWA-4RZ  
Well diameter 2 in  
Well Total Depth 120.07 ft  
Screen Length 10 ft  
Depth to Water 78.83 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 1.025074 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 375.96 in  
Total Volume Pumped 22.7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	12:25:13	11700.94	15.15	7.28	421.01	0.52	108.08	0.76	-24.83
Last 5	12:28:13	11880.93	15.35	7.29	420.82	0.47	108.63	0.79	-24.64
Last 5	12:31:13	12060.94	15.62	7.28	421.09	0.41	109.14	0.81	-24.47
Last 5	12:34:13	12240.93	15.93	7.28	420.66	0.35	109.62	0.83	-24.74
Last 5	12:37:13	12420.93	16.19	7.28	419.27	0.34	110.16	0.86	-24.48
Variance 0			0.27	-0.01	0.26			0.02	0.17
Variance 1			0.32	0.00	-0.43			0.03	-0.27
Variance 2			0.26	-0.00	-1.39			0.02	0.26

Notes

Prepurged 0.2L  
Performing complete evacuation and will sample in 24 hours

Grab Samples

Log: Plant Bowen- 1 of 1  
 Report Created: 2019-03-21 11:57:39  
 Site: Plant Bowen  
 GPS: GWA-4RZ  
 Log Created: 2019-03-21 11:55:53

Number Readings: 11

Battery Type: SmarTROLL<sub>2</sub>\_c Battery Pack

Battery SN: 450876

Device Type: SmarTROLL<sub>2</sub>\_c MP

Device SN: 553835

Created	Baro (mbar)	Temp (C)	RDO (mg/L)	RDO Sat (%)	pH (pH)	ORP (mV)	Act Cond (̑S/cm)	Sp Cond (̑S/cm)	Salinity (psu)	Resist (Ohm-cm)	Density (g/cm <sup>3</sup> )	TDS (ppt)	Depth (ft)	Pressure (psi)	Air Temp (C)
3/21/2019 11:55	989	16.16	4.32	45	7.23	38.8	355.2	427.3	0.2	2816	0.999	0	-0.15	-0.044	15
3/21/2019 11:55	989	16.06	4.32	45	7.18	35.7	355.2	427.3	0.2	2816	0.999	0	-0.1	-0.044	15
3/21/2019 11:56	989	15.98	3.77	39.3	7.15	33.6	355.5	429.1	0.2	2813	0.999	0	-0.15	-0.066	15
3/21/2019 11:56	988.9	15.88	3.45	35.8	7.15	30.1	356.4	431.2	0.2	2806	0.999	0	-0.07	-0.031	15
3/21/2019 11:56	989	15.75	3.19	33.1	7.16	26.2	357.4	433.2	0.2	2798	0.999	0	-0.1	-0.044	15
3/21/2019 11:56	989	15.66	3.03	31.4	7.16	23.7	357.3	434.4	0.2	2799	0.999	0	-0.09	-0.041	15.1
3/21/2019 11:56	989	15.57	2.91	30	7.17	19.6	358	436.3	0.2	2793	0.999	0	-0.05	-0.023	15.1
3/21/2019 11:56	989	15.48	2.81	29	7.17	15.7	358.8	438.1	0.2	2787	0.999	0	-0.12	-0.053	15.1
3/21/2019 11:57	989	15.44	2.73	28.1	7.17	13	358.9	438.6	0.2	2786	0.999	0	-0.12	-0.05	15.2
3/21/2019 11:57	989.1	15.37	2.68	27.5	7.18	10.6	359.3	440	0.2	2783	0.999	0	-0.16	-0.071	15.2
3/21/2019 11:57	989	15.3	2.64	27.1	7.18	7.2	359.7	441	0.2	2780	0.999	0	-0.12	-0.052	15.2

Product Name: Low-Flow System

Date: 2019-03-20 16:04:47

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 115 ft

Pump placement from TOC 109 ft

Well Information:

Well ID GWC-5  
Well diameter 2 in  
Well Total Depth 113.75 ft  
Screen Length 10 ft  
Depth to Water 67.51 ft

Pumping Information:

Final Pumping Rate 145 mL/min  
Total System Volume 0.9982936 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 82.92 in  
Total Volume Pumped 15.7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	15:46:02	5759.98	16.02	6.41	41.29	2.88	73.86	7.82	70.90
Last 5	15:50:02	5999.98	15.94	6.40	40.48	2.92	74.06	7.83	71.36
Last 5	15:54:02	6239.98	15.83	6.35	40.06	2.80	74.16	7.96	73.93
Last 5	15:58:02	6479.98	15.86	6.34	38.98	2.90	74.30	8.03	71.38
Last 5	16:02:02	6719.98	16.01	6.29	38.24	2.83	74.42	8.01	72.12
Variance 0			-0.12	-0.05	-0.42			0.13	2.57
Variance 1			0.03	-0.01	-1.08			0.06	-2.56
Variance 2			0.15	-0.04	-0.74			-0.02	0.74

Notes

Prepurged 2L

Grab Samples

GWC-5  
Metals  
GWC-5  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-21 11:02:02

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 113 ft

Pump placement from TOC 106.3 ft

Well Information:

Well ID GWC-6  
Well diameter 2 in  
Well Total Depth 111.37 ft  
Screen Length 10 ft  
Depth to Water 62.08 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.9893668 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 2.52 in  
Total Volume Pumped 3.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	10:44:03	960.02	14.98	7.05	133.96	0.43	62.28	7.38	20.16
Last 5	10:48:03	1200.02	15.08	7.10	136.07	0.50	62.28	7.44	19.79
Last 5	10:52:03	1440.02	15.29	7.14	137.63	0.54	62.29	7.48	19.98
Last 5	10:56:03	1680.02	15.39	7.19	138.37	0.91	62.29	7.49	19.00
Last 5	11:00:03	1920.01	15.66	7.21	138.96	1.31	62.29	7.51	19.55
Variance 0			0.21	0.03	1.56			0.04	0.19
Variance 1			0.10	0.05	0.74			0.01	-0.98
Variance 2			0.27	0.03	0.59			0.03	0.55

Notes

Prepurged 0.3L

Grab Samples

GWC-6  
Metals  
GWC-6  
Inorganics



Product Name: Low-Flow System

Date: 2019-03-21 09:52:14

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 114 ft

Pump placement from TOC 108 ft

Well Information:

Well ID GWC-6RZ  
Well diameter 2 in  
Well Total Depth 112.80 ft  
Screen Length 10 ft  
Depth to Water 66.33 ft

Pumping Information:

Final Pumping Rate 125 mL/min  
Total System Volume 0.9938302 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0.36 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	09:34:17	960.02	13.99	6.70	100.35	6.86	66.36	7.33	7.08
Last 5	09:38:17	1200.02	14.00	6.72	99.24	5.23	66.36	7.47	11.03
Last 5	09:42:17	1440.02	14.04	6.77	98.45	4.22	66.36	7.55	12.14
Last 5	09:46:17	1680.02	14.06	6.78	97.79	3.10	66.36	7.65	15.13
Last 5	09:50:17	1920.01	14.07	6.82	97.06	2.87	66.36	7.72	17.11
Variance 0			0.03	0.05	-0.79			0.09	1.11
Variance 1			0.02	0.01	-0.67			0.10	2.99
Variance 2			0.01	0.04	-0.73			0.07	1.97

Notes

Wasps in well casing. Prepurged 0.4L.

Grab Samples

GWC-6RZ

Metals

GWC-6RZ

Inorganics

Product Name: Low-Flow System

Date: 2019-03-21 13:30:34

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 118 ft

Pump placement from TOC 112 ft

Well Information:

Well ID GWC-7Z  
Well diameter 2 in  
Well Total Depth 117.00 ft  
Screen Length 10 ft  
Depth to Water 47.20 ft

Pumping Information:

Final Pumping Rate 105 mL/min  
Total System Volume 1.011684 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 1.44 in  
Total Volume Pumped 5.1 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	13:12:01	1920.01	15.17	7.20	231.46	0.92	47.44	1.89	-91.75
Last 5	13:16:01	2160.01	15.04	7.23	230.72	0.88	47.43	1.99	-90.70
Last 5	13:20:03	2402.01	15.15	7.26	230.92	0.77	47.44	2.10	-90.14
Last 5	13:24:03	2642.01	15.04	7.28	230.85	0.78	47.45	2.20	-89.26
Last 5	13:28:03	2882.01	14.95	7.30	230.65	0.77	47.45	2.27	-87.24
Variance 0			0.11	0.03	0.20			0.11	0.55
Variance 1			-0.12	0.02	-0.07			0.10	0.89
Variance 2			-0.08	0.02	-0.20			0.08	2.02

Notes

Prepurged 0.3L

Grab Samples

GWC-7Z  
Metals  
GWC-7Z  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-24 15:04:40

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 112.8 ft

Pump placement from TOC 106.8 ft

Well Information:

Well ID GWC-8RR  
Well diameter 2 in  
Well Total Depth 111.83 ft  
Screen Length 10 ft  
Depth to Water 38.84 ft

Pumping Information:

Final Pumping Rate 165 mL/min  
Total System Volume 0.9884741 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 7.8 in  
Total Volume Pumped 35.1 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	14:46:13	11290.83	16.36	8.14	183.64	1.27	39.49	8.14	24.56
Last 5	14:50:13	11530.83	16.16	8.14	183.31	1.26	39.49	8.14	24.57
Last 5	14:54:13	11770.82	16.21	8.15	183.01	1.29	39.50	8.15	24.24
Last 5	14:58:13	12010.82	16.38	8.15	183.10	1.24	39.49	8.16	24.48
Last 5	15:02:13	12250.81	16.24	8.15	182.93	1.11	39.49	8.15	24.42
Variance 0			0.05	0.00	-0.30			0.01	-0.33
Variance 1			0.17	-0.00	0.09			0.01	0.23
Variance 2			-0.13	0.00	-0.18			-0.01	-0.06

Notes

Prepurged 2L

Grab Samples

GWC-8RR

Metals

GWC-8RR

Inorganics

Product Name: Low-Flow System

Date: 2019-03-26 13:40:09

Project Information:

Operator Name Audrey Crafton  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Reclaimer  
Tubing Type LDPE  
Tubing Diameter .5 in  
Tubing Length 113 ft

Pump placement from TOC 106.83 ft

Well Information:

Well ID GWC-8RR  
Well diameter 2 in  
Well Total Depth 111.83 ft  
Screen Length 10 ft  
Depth to Water 38.63 ft

Pumping Information:

Final Pumping Rate 500 mL/min  
Total System Volume 4.848035 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 5.76 in  
Total Volume Pumped 17.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	13:17:01	960.02	15.16	7.90	179.46	12.00	39.25	8.69	83.07
Last 5	13:21:04	1203.02	15.21	7.99	179.39	12.98	39.25	8.59	70.23
Last 5	13:29:04	1683.01	15.17	8.05	179.48	10.20	39.22	8.51	58.24
Last 5	13:33:04	1923.01	15.21	8.07	179.23	9.89	39.00	8.48	54.70
Last 5	13:37:04	2163.01	15.21	8.10	179.37	8.54	39.11	8.44	52.57
Variance 0			-0.04	0.06	0.09			-0.09	-11.99
Variance 1			0.04	0.02	-0.26			-0.03	-3.54
Variance 2			0.00	0.03	0.15			-0.04	-2.13

Notes

Prepurged 85L. Well was redeveloped due to high pH levels

Grab Samples

Product Name: Low-Flow System

Date: 2019-03-27 12:55:10

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 113 ft

Pump placement from TOC 106.83 ft

Well Information:

Well ID GWC-8RR  
Well diameter 2 in  
Well Total Depth 111.83 ft  
Screen Length 10 ft  
Depth to Water 38.84 ft

Pumping Information:

Final Pumping Rate 130 mL/min  
Total System Volume 0.9893668 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 1.32 in  
Total Volume Pumped 25.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	12:30:33	10820.96	15.48	8.04	177.05	7.45	38.96	8.30	76.30
Last 5	12:34:33	11060.96	15.45	8.07	176.72	6.77	38.95	8.27	75.50
Last 5	12:38:33	11300.96	15.39	8.07	177.42	4.82	38.95	8.31	75.31
Last 5	12:42:34	11541.95	15.30	8.08	177.32	4.60	38.95	8.34	75.28
Last 5	12:46:34	11781.95	15.12	8.07	177.83	4.70	38.95	8.37	75.69
Variance 0			-0.06	0.01	0.71			0.04	-0.19
Variance 1			-0.09	0.00	-0.10			0.03	-0.04
Variance 2			-0.18	-0.00	0.51			0.03	0.42

Notes Prepurged 0.75 L

Grab Samples

GWC-8RR  
Metals, Inorganics

Product Name: Low-Flow System

Date: 2019-05-06 14:31:40

Project Information:

Operator Name Audrey Crafton  
Company Name Resolute Env  
Project Name Resample May 2019  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 642531  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 77 ft

Pump placement from TOC 71.4 ft

Well Information:

Well ID GWC-8Z  
Well diameter 2 in  
Well Total Depth 76.4 ft  
Screen Length 10 ft  
Depth to Water 43.02 ft

Pumping Information:

Final Pumping Rate 110 mL/min  
Total System Volume 0.8286836 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 5.88 in  
Total Volume Pumped 28.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	14:11:29	14639.85	17.49	7.99	149.39	8.50	43.47	7.56	26.72
Last 5	14:15:29	14879.84	17.47	7.98	148.48	8.13	43.46	7.57	26.98
Last 5	14:19:29	15119.84	17.33	7.99	149.52	9.42	43.47	7.62	26.89
Last 5	14:23:29	15359.84	17.44	7.96	149.60	8.82	43.47	7.52	27.07
Last 5	14:27:29	15599.83	17.37	7.98	149.18	8.92	43.51	7.57	26.90
Variance 0			-0.14	0.01	1.04			0.05	-0.10
Variance 1			0.12	-0.02	0.08			-0.11	0.18
Variance 2			-0.07	0.02	-0.43			0.05	-0.17

Notes

Prepurged 2L

Turbidity would not drop below 5 NTU after trolling for over 4 hours. It was below 10 NTU though and PR from GA Power said go ahead and sample

Grab Samples

GWC-8Z

Metals, dissolved metals, Inorganics

Product Name: Low-Flow System

Date: 2019-03-21 16:48:37

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 79 ft

Pump placement from TOC 72 ft

Well Information:

Well ID GWC-9  
Well diameter 2 in  
Well Total Depth 77.16 ft  
Screen Length 10 ft  
Depth to Water 34.14 ft

Pumping Information:

Final Pumping Rate 185 mL/min  
Total System Volume 0.8376105 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 25.9 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	16:30:12	6969.98	15.66	5.18	47.51	0.25	34.14	6.21	105.57
Last 5	16:34:12	7209.97	15.68	5.25	49.96	0.23	34.14	6.19	101.68
Last 5	16:38:12	7449.97	15.61	5.30	52.78	0.27	34.14	6.08	98.04
Last 5	16:42:12	7689.97	15.61	5.36	55.11	0.21	34.14	6.11	94.55
Last 5	16:46:12	7929.96	15.67	5.33	53.96	0.24	34.14	6.06	94.49
Variance 0			-0.07	0.05	2.82			-0.11	-3.64
Variance 1			0.00	0.06	2.32			0.03	-3.49
Variance 2			0.06	-0.03	-1.14			-0.05	-0.06

Notes

Prepurged 0.5L

Grab Samples

GWC-9  
Metals  
GWC-9  
Radium  
GWC-9  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-22 11:36:27

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 72.8 ft

Pump placement from TOC 66.8 ft

Well Information:

Well ID GWC-10  
Well diameter 2 in  
Well Total Depth 71.81 ft  
Screen Length 10 ft  
Depth to Water 27.13 ft

Pumping Information:

Final Pumping Rate 165 mL/min  
Total System Volume 0.8099372 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0.24 in  
Total Volume Pumped 13.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	11:18:03	3600.00	14.76	6.12	150.82	1.43	27.15	7.48	60.87
Last 5	11:22:07	3844.00	14.89	6.14	154.86	1.66	27.14	7.48	60.39
Last 5	11:26:09	4086.00	14.89	6.16	157.05	1.44	27.15	7.55	59.65
Last 5	11:30:09	4326.00	14.94	6.19	159.06	1.29	27.15	7.59	59.10
Last 5	11:34:09	4565.99	15.12	6.23	161.22	1.38	27.15	7.59	57.83
Variance 0			-0.01	0.02	2.19			0.07	-0.73
Variance 1			0.06	0.03	2.01			0.03	-0.56
Variance 2			0.18	0.03	2.17			0.01	-1.27

Notes

Prepurged 0.4L

Grab Samples

GWC-10  
Metals  
GWC-10  
Inorganics



Product Name: Low-Flow System

Date: 2019-03-22 09:53:57

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 101 ft

Pump placement from TOC 95.2 ft

Well Information:

Well ID GWC-10R  
Well diameter 2 in  
Well Total Depth 100.20 ft  
Screen Length 10 ft  
Depth to Water 27.18 ft

Pumping Information:

Final Pumping Rate 160 mL/min  
Total System Volume 0.9358057 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 7.7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	09:36:02	1920.01	13.90	7.22	269.00	0.29	27.18	6.49	-18.76
Last 5	09:40:02	2160.01	13.81	7.26	267.94	0.35	27.18	6.82	-17.04
Last 5	09:44:02	2400.01	13.87	7.28	267.12	0.52	27.18	7.00	-15.06
Last 5	09:48:02	2640.01	13.94	7.31	265.93	0.28	27.18	7.17	-13.25
Last 5	09:52:02	2880.01	14.04	7.34	264.79	0.41	27.18	7.33	-12.14
Variance 0			0.06	0.03	-0.82			0.19	1.98
Variance 1			0.07	0.03	-1.19			0.17	1.82
Variance 2			0.09	0.03	-1.14			0.16	1.11

Notes

Prepurged 0.5L

Grab Samples

GWC-10R  
Metals

GWC-10R  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-23 16:11:22

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 48.3 ft

Pump placement from TOC 42.3 ft

Well Information:

Well ID GWC-11  
Well diameter 2 in  
Well Total Depth 47.35 ft  
Screen Length 10 ft  
Depth to Water 17.33 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.7005834 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0.24 in  
Total Volume Pumped 2.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	15:57:47	540.02	18.34	6.33	91.42	2.60	17.34	3.77	30.21
Last 5	16:00:47	720.02	18.17	6.29	89.22	3.03	17.34	3.80	32.05
Last 5	16:03:47	900.02	18.08	6.28	90.77	1.57	17.35	3.85	32.52
Last 5	16:06:47	1080.02	18.11	6.27	91.07	1.44	17.35	3.83	33.68
Last 5	16:09:47	1260.01	18.20	6.27	92.72	1.62	17.35	3.83	34.20
Variance 0			-0.09	-0.01	1.55			0.05	0.47
Variance 1			0.03	-0.01	0.30			-0.01	1.16
Variance 2			0.10	0.00	1.66			0.00	0.52

Notes

Prepurged 0.2L

Grab Samples

GWC-11  
Metals  
GWC-11  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-23 16:57:25

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 84.2 ft

Pump placement from TOC 78.2 ft

Well Information:

Well ID GWC-11R  
Well diameter 2 in  
Well Total Depth 83.20 ft  
Screen Length 10 ft  
Depth to Water 17.23 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.8608202 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0.36 in  
Total Volume Pumped 2.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	16:43:06	540.02	17.99	7.36	259.39	2.89	17.26	5.19	-35.99
Last 5	16:46:06	720.02	17.84	7.43	261.11	2.46	17.26	5.25	-29.37
Last 5	16:49:06	900.02	17.81	7.47	264.77	1.98	17.26	5.45	-23.82
Last 5	16:52:06	1080.02	17.72	7.53	266.59	1.82	17.26	5.62	-19.92
Last 5	16:55:06	1260.02	17.49	7.56	268.27	1.17	17.26	5.77	-15.83
Variance 0			-0.03	0.04	3.67			0.20	5.55
Variance 1			-0.09	0.05	1.82			0.18	3.90
Variance 2			-0.23	0.03	1.67			0.15	4.08

Notes

Prepurged 0.3L

Grab Samples

GWC-11R  
Metals  
GWC-11R  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-23 15:21:04

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 55 ft

Pump placement from TOC 49 ft

Well Information:

Well ID GWC-12  
Well diameter 2 in  
Well Total Depth 54.03 ft  
Screen Length 10 ft  
Depth to Water 16.45 ft

Pumping Information:

Final Pumping Rate 110 mL/min  
Total System Volume 0.7304883 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 22.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	15:03:02	10559.84	19.26	6.33	110.87	5.44	16.76	0.22	-50.16
Last 5	15:07:02	10799.84	19.42	6.33	110.75	5.68	16.76	0.23	-50.05
Last 5	15:11:02	11039.82	19.21	6.32	110.38	5.33	16.75	0.22	-49.32
Last 5	15:15:02	11279.82	19.32	6.33	110.33	5.41	16.77	0.23	-50.24
Last 5	15:19:02	11519.82	19.44	6.34	110.19	5.09	16.75	0.22	-50.68
Variance 0			-0.21	-0.00	-0.37			-0.00	0.73
Variance 1			0.11	0.01	-0.05			0.00	-0.91
Variance 2			0.12	0.01	-0.14			-0.01	-0.44

Notes

Prepurged 0.5L

Grab Samples

GWC-12  
Metals  
GWC-12  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-23 11:31:03

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 86 ft

Pump placement from TOC 79.80 ft

Well Information:

Well ID GWC-13  
Well diameter 2 in  
Well Total Depth 84.80 ft  
Screen Length 10 ft  
Depth to Water 25.64 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.8688543 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0.72 in  
Total Volume Pumped 18.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	11:13:05	8160.90	15.84	7.26	237.54	5.24	25.69	4.96	30.02
Last 5	11:17:05	8400.90	16.33	7.26	235.41	5.08	25.70	4.91	30.28
Last 5	11:21:05	8640.90	16.74	7.27	233.40	4.96	25.70	4.85	29.39
Last 5	11:25:05	8880.89	16.96	7.27	231.80	4.88	25.70	4.85	29.52
Last 5	11:29:05	9120.88	17.05	7.27	230.03	4.84	25.70	4.79	29.36
Variance 0			0.40	0.02	-2.02			-0.06	-0.89
Variance 1			0.23	-0.00	-1.60			0.00	0.13
Variance 2			0.08	0.00	-1.77			-0.05	-0.16

Notes

Prepurged 0.2L

Grab Samples

GWC-13  
Metals  
GWC-13  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-21 12:55:18

Project Information:

Operator Name Kevin Stephenson  
Company Name Resolute  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 106 ft

Pump placement from TOC 101.0 ft

Well Information:

Well ID GWC-13RZ  
Well diameter 2 in  
Well Total Depth 106.00 ft  
Screen Length 10 ft  
Depth to Water 51.46 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.9531228 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 518.04 in  
Total Volume Pumped 27.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	12:32:26	10801.91	15.75	7.48	435.64	0.93	92.29	3.04	61.20
Last 5	12:36:26	11041.91	15.62	7.48	436.05	0.88	93.07	3.16	61.01
Last 5	12:40:26	11281.90	15.66	7.49	436.84	1.12	93.59	3.25	60.86
Last 5	12:44:26	11521.90	16.20	7.49	435.00	0.91	94.41	3.30	60.40
Last 5	12:48:26	11761.90	16.74	7.49	436.74	0.86	94.63	3.36	59.86
Variance 0			0.04	0.00	0.79			0.09	-0.15
Variance 1			0.54	0.00	-1.84			0.04	-0.45
Variance 2			0.54	0.01	1.74			0.07	-0.54

Notes

Pre-purged 3.5 liters. Water level did not stabilize above the screen. Complete evacuation method initiated. Pumping discontinued at 95.0ft. Sampled to be collected 3/22.

Grab Samples

Product Name: Low-Flow System

Date: 2019-03-22 15:09:23

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 77.3 ft

Pump placement from TOC 71.3 ft

Well Information:

Well ID GWC-14Z  
Well diameter 2 in  
Well Total Depth 76.34 ft  
Screen Length 10 ft  
Depth to Water 25.11 ft

Pumping Information:

Final Pumping Rate 130 mL/min  
Total System Volume 0.8300226 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 30.24 in  
Total Volume Pumped 5.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	14:50:43	1921.02	18.24	6.14	169.26	0.14	27.51	4.45	59.36
Last 5	14:54:43	2161.02	18.30	6.18	173.20	0.17	27.53	4.46	57.61
Last 5	14:58:43	2401.02	18.24	6.22	176.82	0.08	27.60	4.53	55.73
Last 5	15:02:43	2641.02	18.30	6.24	179.09	0.12	27.62	4.53	55.04
Last 5	15:06:43	2881.01	18.21	6.27	180.29	0.24	27.63	4.56	53.79
Variance 0			-0.06	0.04	3.62			0.07	-1.88
Variance 1			0.06	0.02	2.26			0.00	-0.69
Variance 2			-0.09	0.03	1.20			0.03	-1.25

Notes

Prepurged 0.5L

Grab Samples

GWC-14Z  
Metals

GWC-14Z  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-22 16:18:18

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 76 ft

Pump placement from TOC 70 ft

Well Information:

Well ID GWC-15Z  
Well diameter 2 in  
Well Total Depth 74.90 ft  
Screen Length 10 ft  
Depth to Water 33.62 ft

Pumping Information:

Final Pumping Rate 110 mL/min  
Total System Volume 0.8242202 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 5.88 in  
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	16:04:09	900.03	17.55	7.41	230.95	0.09	34.11	6.04	29.91
Last 5	16:07:09	1080.02	17.44	7.47	230.79	0.10	34.11	5.98	27.96
Last 5	16:10:09	1260.02	17.36	7.49	231.87	0.34	34.12	5.98	27.44
Last 5	16:13:09	1440.02	17.40	7.52	232.02	0.66	34.11	5.93	26.26
Last 5	16:16:09	1620.02	17.36	7.55	231.98	0.76	34.11	5.86	25.43
Variance 0			-0.08	0.02	1.08			0.00	-0.52
Variance 1			0.04	0.04	0.16			-0.06	-1.19
Variance 2			-0.04	0.03	-0.04			-0.06	-0.82

Notes

Prepurged 0.2L

Grab Samples

GWC-15Z

Metals

GWC-15Z

Inorganics



Product Name: Low-Flow System

Date: 2019-03-25 12:24:46

Project Information:

Operator Name Audrey Crafton  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 98 ft

Pump placement from TOC 92.5 ft

Well Information:

Well ID GWC-15R  
Well diameter 2 in  
Well Total Depth 97.5 ft  
Screen Length 10 ft  
Depth to Water 34.03 ft

Pumping Information:

Final Pumping Rate 115 mL/min  
Total System Volume 0.9224155 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 3.36 in  
Total Volume Pumped 22.59 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	12:05:52	10827.86	16.54	7.64	339.42	5.51	34.30	3.02	13.14
Last 5	12:09:52	11067.86	16.54	7.63	340.56	5.63	34.31	3.01	13.18
Last 5	12:13:52	11307.86	16.61	7.63	340.76	4.87	34.31	3.06	12.85
Last 5	12:17:52	11547.85	16.66	7.64	339.44	4.82	34.30	2.99	12.57
Last 5	12:21:52	11787.84	16.74	7.64	341.03	4.72	34.31	2.92	12.41
Variance 0			0.07	0.00	0.20			0.05	-0.33
Variance 1			0.05	0.01	-1.31			-0.07	-0.28
Variance 2			0.07	-0.00	1.59			-0.07	-0.16

Notes

Grab Samples

GWC-15R  
Metals, inorganics

Product Name: Low-Flow System

Date: 2019-03-11 11:46:07

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 100 ft

Pump placement from TOC 93.10 ft

Well Information:

Well ID GWC-16R  
Well diameter 2 in  
Well Total Depth 98.12 ft  
Screen Length 10 ft  
Depth to Water 77.10 ft

Pumping Information:

Final Pumping Rate 135 mL/min  
Total System Volume 0.9313423 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 27.12 in  
Total Volume Pumped 4.9 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	11:28:03	1201.02	15.40	7.21	576.27	0.41	78.87	0.67	29.87
Last 5	11:32:03	1441.02	15.40	7.20	576.40	0.44	79.04	0.56	28.20
Last 5	11:36:03	1681.02	15.42	7.21	577.10	0.46	79.16	0.46	26.43
Last 5	11:40:03	1921.01	15.48	7.21	578.02	0.42	79.25	0.42	25.47
Last 5	11:44:03	2161.01	15.48	7.21	578.64	0.41	79.36	0.42	24.34
Variance 0			0.02	0.01	0.71			-0.09	-1.76
Variance 1			0.06	-0.00	0.92			-0.05	-0.96
Variance 2			0.00	0.00	0.62			0.01	-1.13

Notes

Prepurged 0.5L

Grab Samples

GWC-16R  
Inorganics  
GWC-16R  
Metals

Product Name: Low-Flow System

Date: 2019-03-11 14:46:40

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 94 ft

Pump placement from TOC 88 ft

Well Information:

Well ID GWC-17R  
Well diameter 2 in  
Well Total Depth 92.93 ft  
Screen Length 10 ft  
Depth to Water 77.03 ft

Pumping Information:

Final Pumping Rate 110 mL/min  
Total System Volume 0.9045618 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 72.36 in  
Total Volume Pumped 4.3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	14:32:02	1620.01	15.75	7.27	582.90	0.15	81.43	6.85	24.30
Last 5	14:35:02	1800.01	15.67	7.27	582.56	0.14	81.92	6.83	24.02
Last 5	14:38:02	1980.01	15.67	7.27	581.95	0.16	82.29	6.83	23.77
Last 5	14:41:02	2160.01	15.63	7.27	582.37	0.15	82.68	6.86	23.57
Last 5	14:44:02	2340.01	15.58	7.28	581.62	0.17	83.06	6.88	23.65
Variance 0			0.00	0.01	-0.61			-0.00	-0.25
Variance 1			-0.03	-0.01	0.42			0.04	-0.21
Variance 2			-0.06	0.01	-0.75			0.01	0.09

Notes

Prepurged 0.2L. Water level dropped below top of screen and performing complete evacuation

Grab Samples

Log: Plant Bowen- 1 of 1  
 Report Created: 2019-03-12 15:27:16  
 Site: Plant Bowen  
 GPS: GWC-17R  
 Log Created: 2019-03-12 15:24:39  
 Number Readings: 9  
 Battery Type: SmarTROLL<sub>2</sub>,c Battery Pack  
 Battery SN: 450876  
 Device Type: SmarTROLL<sub>2</sub>,c MP  
 Device SN: 553835

Created	Baro (mbar)	Temp (C)	RDO (mg/L)	RDO Sat (%)	pH (pH)	ORP (mV)	Act Cond (ÅµS/cm)	Sp Cond (ÅµS/cm)	Salinity (psu)	Resist (Ohm-cm)	Density (g/cm³)	TDS (ppt)	Depth (ft)	Pressure (psi)	Air Temp (C)
3/12/2019 15:24	998.7	28.38	5.4	70.6	7.22	71.7	576.6	541.6	0.3	1734	0.996	0	-0.32	-0.139	32
3/12/2019 15:24	998.7	27.29	5.4	70.6	7.18	72.2	576.6	541.6	0.3	1734	0.996	0	-0.32	-0.139	32
3/12/2019 15:24	998.7	26.38	5.88	74.6	7.14	72	582.6	564.3	0.3	1717	0.997	0	-0.33	-0.142	31.9
3/12/2019 15:25	998.7	25.54	5.75	71.7	7.13	70.4	567.2	559.5	0.3	1763	0.997	0	-0.34	-0.149	31.9
3/12/2019 15:25	998.8	24.65	5.69	70.5	7.16	66.7	560.3	556.7	0.3	1785	0.997	0	-0.32	-0.138	31.8
3/12/2019 15:25	998.7	23.92	6	72.7	7.16	66.2	564.1	573.5	0.3	1773	0.997	0	-0.33	-0.145	31.8
3/12/2019 15:25	998.7	23.2	6.02	72	7.16	63.8	560.5	577.7	0.3	1784	0.998	0	-0.35	-0.15	31.7
3/12/2019 15:25	998.8	22.47	6.06	71.8	7.16	62.4	559.6	581.9	0.3	1787	0.998	0	-0.36	-0.156	31.7
3/12/2019 15:25	998.7	22.12	6.22	72.8	7.14	62.4	561.8	591.8	0.3	1780	0.998	0	-0.35	-0.152	31.6

Log: Plant Bowen- 1 of 1  
 Report Created: 2019-03-12 15:27:16  
 Site: Plant Bowen  
 GPS: GWC-17R  
 Log Created: 2019-03-12 15:24:39  
 Number Readings: 9  
 Battery Type: SmarTROLL<sub>4</sub>,c Battery Pack  
 Battery SN: 450876  
 Device Type: SmarTROLL<sub>4</sub>,c MP  
 Device SN: 553835

Created	Baro (mbar)	Temp (C)	RDO (mg/L)	RDO Sat (%)	pH (pH)	ORP (mV)	Act Cond (ÅµS/cm)	Sp Cond (ÅµS/cm)	Salinity (psu)	Resist (Ohm-cm)	Density (g/cm <sup>3</sup> )	TDS (ppt)	Depth (ft)	Pressure (psi)	Air Temp (C)
3/12/2019 15:24	998.7	28.38	5.4	70.6	7.22	71.7	576.6	541.6	0.3	1734	0.996	0	-0.32	-0.139	32
3/12/2019 15:24	998.7	27.29	5.4	70.6	7.18	72.2	576.6	541.6	0.3	1734	0.996	0	-0.32	-0.139	32
3/12/2019 15:24	998.7	26.38	5.88	74.6	7.14	72	582.6	564.3	0.3	1717	0.997	0	-0.33	-0.142	31.9
3/12/2019 15:25	998.7	25.54	5.75	71.7	7.13	70.4	567.2	559.5	0.3	1763	0.997	0	-0.34	-0.149	31.9
3/12/2019 15:25	998.8	24.65	5.69	70.5	7.16	66.7	560.3	556.7	0.3	1785	0.997	0	-0.32	-0.138	31.8
3/12/2019 15:25	998.7	23.92	6	72.7	7.16	66.2	564.1	573.5	0.3	1773	0.997	0	-0.33	-0.145	31.8
3/12/2019 15:25	998.7	23.2	6.02	72	7.16	63.8	560.5	577.7	0.3	1784	0.998	0	-0.35	-0.15	31.7
3/12/2019 15:25	998.8	22.47	6.06	71.8	7.16	62.4	559.6	581.9	0.3	1787	0.998	0	-0.36	-0.156	31.7
3/12/2019 15:25	998.7	22.12	6.22	72.8	7.14	62.4	561.8	591.8	0.3	1780	0.998	0	-0.35	-0.152	31.6

Product Name: Low-Flow System

Date: 2019-03-12 12:50:08

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 80.3 ft

Pump placement from TOC 75.3 ft

Well Information:

Well ID GWC-18  
Well diameter 2 in  
Well Total Depth 80.3 ft  
Screen Length 10 ft  
Depth to Water 68 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.713413 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 2.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	12:35:46	180.03	16.84	7.01	193.37	1.23	68.00	7.02	66.93
Last 5	12:38:46	360.03	16.79	7.02	194.90	0.89	68.00	6.92	65.75
Last 5	12:41:46	540.02	16.84	7.04	199.69	1.04	68.00	6.83	64.42
Last 5	12:44:46	720.02	17.05	7.05	198.25	0.72	68.00	6.70	63.86
Last 5	12:47:46	900.02	17.01	7.06	202.18	0.78	68.00	6.70	63.43
Variance 0			0.06	0.01	4.79			-0.10	-1.32
Variance 1			0.21	0.01	-1.44			-0.12	-0.57
Variance 2			-0.04	0.01	3.93			-0.00	-0.43

Notes

Prepurged 1L  
Well performed well

Grab Samples

GWC-18  
Metals  
GWC-18  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-12 11:51:42

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 140.1 ft

Pump placement from TOC 135.1 ft

Well Information:

Well ID GWC-18R  
Well diameter 2 in  
Well Total Depth 140.1 ft  
Screen Length 10 ft  
Depth to Water 67.85 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.9803256 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 2.52 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	11:36:46	540.02	16.16	7.65	270.23	1.60	67.85	5.94	45.57
Last 5	11:39:46	720.02	16.13	7.71	270.20	1.42	67.85	6.19	44.69
Last 5	11:42:46	900.02	16.07	7.74	270.25	1.44	67.85	6.25	44.67
Last 5	11:45:46	1080.02	16.08	7.75	270.40	1.34	67.85	6.25	44.98
Last 5	11:48:46	1260.02	16.07	7.76	271.04	1.16	67.85	6.25	45.14
Variance 0			-0.06	0.03	0.05			0.06	-0.02
Variance 1			0.01	0.01	0.16			-0.01	0.31
Variance 2			-0.01	0.01	0.64			0.00	0.16

Notes

Prepurged 2L  
Well performed well.

Grab Samples

GWC-18R  
Metals  
GWC-18R  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-12 12:28:56

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 147 ft

Pump placement from TOC 141.60 ft

Well Information:

Well ID GWC-19R  
Well diameter 2 in  
Well Total Depth 146.60 ft  
Screen Length 10 ft  
Depth to Water 74.94 ft

Pumping Information:

Final Pumping Rate 105 mL/min  
Total System Volume 1.141123 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 3.05 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	12:10:33	720.02	18.13	7.60	289.25	0.52	71.93	6.25	20.26
Last 5	12:14:33	960.02	18.11	7.59	289.65	0.29	71.93	6.27	19.52
Last 5	12:18:33	1200.02	18.14	7.60	288.39	0.32	71.93	6.26	19.54
Last 5	12:22:33	1440.02	18.29	7.59	289.41	0.26	71.93	6.29	19.55
Last 5	12:26:33	1680.02	18.43	7.60	288.93	0.23	71.93	6.28	18.99
Variance 0			0.04	0.01	-1.26			-0.00	0.02
Variance 1			0.15	-0.01	1.02			0.03	0.01
Variance 2			0.14	0.01	-0.49			-0.01	-0.56

Notes

Prepurged 0.4L

Grab Samples

GWC-19R  
Metals

DUP-3  
Metals

GWC-19R  
Inorganics



DUP-3  
Inorganics



Product Name: Low-Flow System

Date: 2019-03-12 10:39:08

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 88.5 ft

Pump placement from TOC 82.5 ft

Well Information:

Well ID GWC-20R  
Well diameter 2 in  
Well Total Depth 87.47 ft  
Screen Length 10 ft  
Depth to Water 65.75 ft

Pumping Information:

Final Pumping Rate 130 mL/min  
Total System Volume 0.8800129 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0.96 in  
Total Volume Pumped 2.7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	10:21:01	240.08	13.75	7.57	324.97	0.19	65.84	7.06	51.88
Last 5	10:25:01	480.03	14.77	7.61	318.67	0.16	65.83	6.82	42.05
Last 5	10:29:01	720.03	14.94	7.62	317.44	0.18	65.83	6.75	37.66
Last 5	10:33:01	960.02	14.99	7.64	319.72	0.22	65.83	6.72	34.42
Last 5	10:37:01	1200.02	15.10	7.63	327.81	0.21	65.82	6.79	33.34
Variance 0			0.17	0.01	-1.23			-0.06	-4.39
Variance 1			0.05	0.02	2.27			-0.04	-3.24
Variance 2			0.11	-0.01	8.09			0.07	-1.07

Notes

Prepurged 1L.

Grab Samples

GWC-20R  
Metals

GWC-20R  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-11 15:06:39

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 91 ft

Pump placement from TOC 85.59 ft

Well Information:

Well ID GWC-21R  
Well diameter 2 in  
Well Total Depth 90.59 ft  
Screen Length 10 ft  
Depth to Water 67.27 ft

Pumping Information:

Final Pumping Rate 110 mL/min  
Total System Volume 0.7611715 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 32.95 in  
Total Volume Pumped 1.65 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	14:49:47	180.04	16.29	6.97	577.56	1.20	69.55	0.25	38.05
Last 5	14:52:47	360.02	16.11	6.96	578.15	1.09	69.67	0.23	36.96
Last 5	14:55:47	540.02	16.03	6.95	579.39	0.97	69.80	0.22	34.48
Last 5	14:58:47	720.02	15.98	6.95	578.76	0.91	69.92	0.21	32.49
Last 5	15:01:47	900.02	15.87	6.95	579.78	1.08	70.02	0.22	29.54
Variance 0			-0.08	-0.01	1.23			-0.01	-2.48
Variance 1			-0.05	-0.00	-0.62			-0.01	-1.99
Variance 2			-0.10	-0.00	1.01			0.00	-2.95

Notes

Prepurged 2L  
Well performed well.

Grab Samples

GWC-21R  
Metals  
GWC-21R  
Inorganics

Product Name: Low-Flow System

Date: 2019-06-18 13:24:32

Project Information:

Operator Name Audrey Crafton  
Company Name Resolute Env  
Project Name June 2019 Resample  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463072  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type dedicated  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 90 ft

Pump placement from TOC 85.59 ft

Well Information:

Well ID GWC-21R  
Well diameter 2 in  
Well Total Depth 90.59 ft  
Screen Length 10 ft  
Depth to Water 71.64 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.886708 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 51.12 in  
Total Volume Pumped 5.28 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	13:06:52	1680.02	19.81	6.81	592.59	0.48	75.36	0.10	-47.64
Last 5	13:10:52	1920.02	19.33	6.84	589.45	0.47	75.51	0.10	-51.31
Last 5	13:14:53	2160.92	19.19	6.85	593.23	0.48	75.66	0.11	-53.92
Last 5	13:18:53	2400.91	18.98	6.87	594.24	0.40	75.75	0.12	-54.79
Last 5	13:22:53	2640.91	18.63	6.88	596.62	0.49	75.90	0.13	-54.73
Variance 0			-0.14	0.01	3.78			0.01	-2.61
Variance 1			-0.21	0.02	1.02			0.01	-0.87
Variance 2			-0.34	0.02	2.38			0.01	0.06

Notes

Prepurged 1.0 L. Large amount of ants inside inner casing and under cap.

Grab Samples

GWC-21R  
Fluoride

Product Name: Low-Flow System

Date: 2019-03-11 11:11:40

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 120 ft

Pump placement from TOC 114.6 ft

Well Information:

Well ID GWC-22R  
Well diameter 2 in  
Well Total Depth 119.6 ft  
Screen Length 10 ft  
Depth to Water 59.42 ft

Pumping Information:

Final Pumping Rate 160 mL/min  
Total System Volume 0.8906108 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 9.06 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	10:55:20	3960.00	16.15	7.50	312.78	5.33	59.42	3.78	22.02
Last 5	10:58:20	4140.00	16.15	7.50	313.11	5.35	59.42	3.89	21.24
Last 5	11:01:20	4320.00	16.11	7.50	312.57	4.69	59.42	4.07	20.32
Last 5	11:04:20	4500.00	16.07	7.51	312.18	4.17	59.42	4.18	19.75
Last 5	11:07:20	4679.99	16.07	7.51	312.24	3.82	59.42	4.19	19.74
Variance 0			-0.05	0.00	-0.54			0.17	-0.92
Variance 1			-0.03	0.01	-0.39			0.11	-0.56
Variance 2			-0.01	0.00	0.06			0.01	-0.01

Notes

Prepurged 1L  
Adjusted pump rate to 100ml/min @1020 to lower Turbidity.

Grab Samples

GWC-22R  
Metals  
GWC-22R  
Inorganics

DUP- 2  
Metals  
DUP-2  
Inorganics



Product Name: Low-Flow System

Date: 2019-03-11 10:04:49

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 51 ft

Pump placement from TOC 45.6 ft

Well Information:

Well ID GWC-23R  
Well diameter 2 in  
Well Total Depth 49.57 ft  
Screen Length 10 ft  
Depth to Water 34.88 ft

Pumping Information:

Final Pumping Rate 110 mL/min  
Total System Volume 0.7126346 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 57.72 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	09:51:02	1440.02	15.21	7.40	559.15	0.26	38.32	6.96	56.67
Last 5	09:54:02	1620.02	15.21	7.41	558.00	0.27	38.71	6.80	54.89
Last 5	09:57:02	1800.02	15.13	7.41	557.70	0.43	39.02	6.67	53.41
Last 5	10:00:02	1980.02	15.20	7.41	558.29	0.25	39.37	6.61	51.89
Last 5	10:03:02	2160.01	15.23	7.42	557.39	0.26	39.69	6.56	51.03
Variance 0			-0.09	0.00	-0.30			-0.13	-1.48
Variance 1			0.08	0.00	0.60			-0.06	-1.52
Variance 2			0.02	0.00	-0.90			-0.05	-0.86

Notes

Prepurged 0.3L  
Performing complete evacuation

Grab Samples

Log: Plant Bowen- 1 of 1  
 Report Created: 2019-03-12 11:19:35  
 Site: Plant Bowen  
 GPS: GWC-23R  
 Log Created: 2019-03-12 11:16:17  
 Number Readings: 10  
 Battery Type: SmarTROLL<sub>2</sub>\_c Battery Pack  
 Battery SN: 450876  
 Device Type: SmarTROLL<sub>2</sub>\_c MP

Created	Baro (mbar)	Temp (C)	RDO (mg/L)	RDO Sat (%)	pH (pH)	ORP (mV)	Act Cond (ÅµS/cm)	Sp Cond (ÅµS/cm)	Salinity (psu)	Resist (Ohm-cm)	Density (g/cm <sup>3</sup> )	TDS (ppt)	Depth (ft)	Pressure (psi)	Air Temp (C)
3/12/2019 11:16	1002	12.97	7.96	76.5	7.63	60.2	418	542.1	0.3	2393	1	0	-0.11	-0.047	15.2
3/12/2019 11:16	1002	12.9	8.01	76.9	7.62	58.4	420.5	546.3	0.3	2378	1	0	-0.15	-0.066	15.3
3/12/2019 11:16	1002.1	12.85	7.95	76.2	7.61	57.1	420.4	546.8	0.3	2379	1	0	-0.15	-0.063	15.3
3/12/2019 11:16	1002	12.85	7.98	76.5	7.6	56	422.9	550.6	0.3	2365	1	0	-0.17	-0.075	15.3
3/12/2019 11:16	1002.1	12.83	8	76.6	7.59	55	425.7	554.5	0.3	2349	1	0	-0.14	-0.059	15.3
3/12/2019 11:17	1002	12.85	7.97	76.4	7.58	53.9	426	554.7	0.3	2347	1	0	-0.16	-0.068	15.3
3/12/2019 11:17	1002.1	12.86	8	76.7	7.57	52.9	427.7	556.9	0.3	2338	1	0	-0.18	-0.076	15.3
3/12/2019 11:17	1002	12.9	8	76.7	7.57	51.7	429.7	559.3	0.3	2327	1	0	-0.14	-0.062	15.3
3/12/2019 11:17	1002	12.95	7.91	75.9	7.55	51	430.3	559.6	0.3	2324	1	0	-0.16	-0.068	15.3
3/12/2019 11:17	1002.1	12.99	7.89	75.8	7.55	50.1	432.1	561.1	0.3	2314	1	0	-0.15	-0.067	15.3



Product Name: Low-Flow System

Date: 2019-03-08 12:30:26

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 40 ft

Pump placement from TOC 35.1 ft

Well Information:

Well ID GWC-24R  
Well diameter 2 in  
Well Total Depth 40.1 ft  
Screen Length 10 ft  
Depth to Water 20.08 ft

Pumping Information:

Final Pumping Rate 140 mL/min  
Total System Volume 0.5335369 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 6.84 in  
Total Volume Pumped 3.55 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	12:03:54	720.02	14.40	7.62	281.49	1.09	20.60	3.92	-54.62
Last 5	12:06:54	900.02	14.08	7.62	285.69	0.75	20.55	3.98	-55.89
Last 5	12:09:54	1080.02	14.72	7.62	283.96	0.81	20.65	4.10	-59.85
Last 5	12:12:54	1260.01	14.85	7.65	282.85	0.70	20.65	4.11	-50.44
Last 5	12:15:54	1440.01	14.78	7.65	282.54	0.73	20.65	4.03	-49.03
Variance 0			0.65	-0.00	-1.73			0.12	-3.96
Variance 1			0.13	0.02	-1.11			0.01	9.41
Variance 2			-0.08	0.01	-0.31			-0.08	1.42

Notes

Prepurged 4.5 L

Casing had wasps and lady bugs seeking shelter from cold. Initially purged ladybugs from well. Was able to purge bugs from well after 5L. BP controller dropped pressure at 1158 to below 100ml/min. Adjusted it to 150 ml/min.

Grab Samples  
GWC-24R  
Metals  
GWC-24R  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-08 14:10:33

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 100 ft

Pump placement from TOC 95 ft

Well Information:

Well ID GWC-25R  
Well diameter 2 in  
Well Total Depth 100 ft  
Screen Length 10 ft  
Depth to Water 19.05 ft

Pumping Information:

Final Pumping Rate 160 mL/min  
Total System Volume 0.8013423 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 3.84 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	13:28:01	720.02	15.35	7.61	305.33	2.20	19.05	6.02	-1.07
Last 5	13:31:01	900.02	15.34	7.65	304.55	1.92	19.05	6.09	0.01
Last 5	13:34:01	1080.02	15.42	7.67	305.08	2.26	19.05	6.13	0.87
Last 5	13:37:01	1260.06	15.42	7.69	305.25	2.05	19.05	6.17	1.72
Last 5	13:40:01	1440.04	15.39	7.69	309.52	1.94	19.05	6.19	2.53
Variance 0			0.08	0.01	0.53			0.04	0.87
Variance 1			0.00	0.02	0.17			0.04	0.85
Variance 2			-0.03	0.01	4.28			0.01	0.80

Notes

Prepurged 0.5L  
Well performed well

Grab Samples

GWC-25R  
Metals  
GWC-25R  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-06 11:31:25

Project Information:

Operator Name Audrey Crafton  
Company Name Resolute Env  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 364455  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 80 ft

Pump placement from TOC 75 ft

Well Information:

Well ID GWA-36  
Well diameter 2 in  
Well Total Depth 80.05 ft  
Screen Length 10 ft  
Depth to Water 25.85 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.8420739 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 5.28 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	11:12:28	1680.03	15.87	6.64	129.40	5.79	25.85	6.80	466.14
Last 5	11:16:28	1920.03	15.91	6.64	129.99	5.11	25.85	6.92	479.56
Last 5	11:20:28	2160.03	16.02	6.64	128.07	4.32	25.85	6.88	492.40
Last 5	11:24:28	2400.03	16.00	6.63	128.84	3.79	25.85	6.97	505.33
Last 5	11:28:28	2640.03	16.11	6.64	128.08	3.50	25.85	6.94	514.89
Variance 0			0.11	0.00	-1.92			-0.04	12.84
Variance 1			-0.02	-0.01	0.77			0.09	12.93
Variance 2			0.11	0.00	-0.77			-0.03	9.56

Notes

Prepurged 1.5L

Grab Samples

GWA-36  
Metals, inorganics  
DUP-1  
Metals, inorganics

Product Name: Low-Flow System

Date: 2019-03-07 10:24:36

Project Information:

Operator Name Audrey Crafton  
Company Name Resolute Env  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 364455  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 90 ft

Pump placement from TOC 84.69 ft

Well Information:

Well ID GWA-36R  
Well diameter 2 in  
Well Total Depth 89.69 ft  
Screen Length 10 ft  
Depth to Water 25.32 ft

Pumping Information:

Final Pumping Rate 110 mL/min  
Total System Volume 0.886708 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 2.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	10:06:48	240.07	14.47	7.45	278.84	2.28	25.32	4.67	136.84
Last 5	10:10:48	480.03	14.57	7.47	276.96	2.49	25.32	4.79	129.41
Last 5	10:14:48	720.02	14.83	7.47	278.07	1.97	25.32	4.83	123.79
Last 5	10:18:48	960.03	14.97	7.48	277.07	2.24	25.32	4.83	121.55
Last 5	10:22:48	1200.02	15.01	7.48	278.12	2.79	25.32	4.94	118.64
Variance 0			0.26	-0.00	1.11			0.04	-5.62
Variance 1			0.14	0.01	-1.00			-0.00	-2.24
Variance 2			0.05	0.01	1.05			0.11	-2.91

Notes

Prepurged 1L

Grab Samples

GWA-36R  
Metals, Inorganics

Product Name: Low-Flow System

Date: 2019-03-06 12:19:57

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 110 ft

Pump placement from TOC 102.5 ft

Well Information:

Well ID BGWA-37  
Well diameter 2 in  
Well Total Depth 107.52 ft  
Screen Length 10 ft  
Depth to Water 46.35 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.9759765 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 136.56 in  
Total Volume Pumped 11.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	12:02:03	5519.98	15.71	5.37	22.73	0.71	56.88	4.57	82.62
Last 5	12:06:03	5759.98	15.75	5.33	22.84	0.42	57.11	4.54	83.87
Last 5	12:10:03	5999.98	15.75	5.29	22.99	0.48	57.44	4.53	85.35
Last 5	12:14:03	6239.98	15.71	5.35	23.14	0.44	57.61	4.51	82.99
Last 5	12:18:03	6479.97	15.66	5.38	23.18	0.56	57.73	4.45	81.94
Variance 0			0.01	-0.04	0.16			-0.01	1.48
Variance 1			-0.05	0.06	0.15			-0.03	-2.36
Variance 2			-0.04	0.03	0.04			-0.06	-1.05

Notes

Prepurged 1L

Grab Samples

BGWC-37  
Inorganics  
GWA-37  
App III

Product Name: Low-Flow System

Date: 2019-03-07 11:04:00

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 70 ft

Pump placement from TOC 64.3 ft

Well Information:

Well ID GWA-38  
Well diameter 2 in  
Well Total Depth 69.25 ft  
Screen Length 10 ft  
Depth to Water 47.18 ft

Pumping Information:

Final Pumping Rate 115 mL/min  
Total System Volume 0.7974396 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 74.16 in  
Total Volume Pumped 3.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	10:50:02	1080.02	16.40	5.63	42.11	0.68	48.20	6.98	94.78
Last 5	10:53:02	1260.02	16.07	5.57	41.99	0.45	48.26	7.00	95.26
Last 5	10:56:02	1440.02	16.23	5.58	41.72	0.32	48.33	6.95	93.64
Last 5	10:59:02	1620.02	16.38	5.55	41.22	0.28	48.39	6.92	94.16
Last 5	11:02:02	1800.01	16.31	5.54	40.88	0.50	48.46	6.93	94.42
Variance 0			0.16	0.01	-0.27			-0.04	-1.62
Variance 1			0.15	-0.03	-0.50			-0.03	0.52
Variance 2			-0.07	-0.02	-0.35			0.00	0.27

Notes

Prepurged 0.5L

Grab Samples

GWA-38  
Inorganics  
GWA-38  
Metals

Product Name: Low-Flow System

Date: 2019-03-14 17:03:38

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 118 ft

Pump placement from TOC 112.5 ft

Well Information:

Well ID GWA-39Z  
Well diameter 2 in  
Well Total Depth 117.5 ft  
Screen Length 10 ft  
Depth to Water 54.65 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.8816839 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	16:42:08	2340.02	16.77	6.26	81.38	13.10	55.05	6.56	127.54
Last 5	16:45:08	2520.02	16.78	6.27	84.93	18.10	55.00	6.49	126.94
Last 5	16:48:08	2700.01	17.36	6.28	87.28	24.00	54.90	6.45	126.06
Last 5	16:51:08	2880.01	17.54	6.30	87.98	22.90	54.80	6.33	125.44
Last 5	16:54:08	3060.01	17.69	6.31	88.49	24.20	54.82	6.34	124.84
Variance 0			0.58	0.01	2.35			-0.04	-0.88
Variance 1			0.18	0.01	0.70			-0.12	-0.62
Variance 2			0.14	0.01	0.51			0.01	-0.61

Notes

Prepurged 1L  
Was not able to sample. Turbidity rising & ran out of time. Tried decreasing and increasing pump rate to lower turbidity.

Grab Samples



Product Name: Low-Flow System

Date: 2019-03-15 13:26:25

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 119 ft

Pump placement from TOC 112.5 ft

Well Information:

Well ID GWA-39Z  
Well diameter 2 in  
Well Total Depth 117.50 ft  
Screen Length 10 ft  
Depth to Water 54.96 ft

Pumping Information:

Final Pumping Rate 130 mL/min  
Total System Volume 1.016147 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 3.84 in  
Total Volume Pumped 28.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	13:08:02	12239.93	14.99	6.76	184.25	5.79	55.28	6.53	71.79
Last 5	13:12:02	12479.93	14.99	6.76	185.51	5.77	55.28	6.54	72.01
Last 5	13:16:02	12719.93	15.03	6.75	186.38	5.82	55.28	6.53	72.26
Last 5	13:20:02	12959.92	15.04	6.77	187.65	6.05	55.28	6.55	71.67
Last 5	13:24:02	13199.92	15.03	6.78	188.82	6.00	55.28	6.54	71.34
Variance 0			0.03	-0.01	0.87			-0.01	0.25
Variance 1			0.01	0.02	1.27			0.01	-0.59
Variance 2			-0.01	0.01	1.17			-0.01	-0.33

Notes

Grab Samples  
GWA-39Z  
Metals  
GWA-39Z  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-13 17:05:19

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 141 ft

Pump placement from TOC 135 ft

Well Information:

Well ID GWA-39RZ  
Well diameter 2 in  
Well Total Depth 140.07 ft  
Screen Length 10 ft  
Depth to Water 52.21 ft

Pumping Information:

Final Pumping Rate 250 mL/min  
Total System Volume 1.114343 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 893.28 in  
Total Volume Pumped 71.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	16:46:05	26403.82	15.71	7.46	309.87	1.41	121.23	0.79	-11.08
Last 5	16:50:05	26643.81	15.66	7.47	310.67	0.94	122.39	0.87	-12.06
Last 5	16:54:05	26883.81	15.66	7.47	312.65	0.61	124.08	0.92	-11.99
Last 5	16:58:05	27123.82	15.60	7.46	313.63	1.87	125.21	0.99	-12.40
Last 5	17:02:05	27363.82	15.66	7.46	316.07	0.90	126.65	1.30	-11.41
Variance 0			-0.00	0.00	1.98			0.05	0.07
Variance 1			-0.06	-0.02	0.98			0.07	-0.40
Variance 2			0.06	0.00	2.44			0.30	0.98

Notes

Prepurged 1L  
Performed complete evacuation. Top of Pump at 128.45. Pump rate increased while trolling because historically goes dry and time

Grab Samples

Report Created: 2019-03-14 17:27:12  
 Site: Plant Bowen  
 GPS: GWA-39RZ  
 Log Created: 2019-03-14 17:26:05

Number Readings: 7  
 Battery Type: SmarTROLLá, c Battery Pack  
 Battery SN: 535712  
 Device Type: SmarTROLLá, c MP  
 Device SN: 463068

Created	Baro (mm Hg)	Temp (C)	RDO (mg/l)	RDO Sat (%)	pH (pH)	ORP (mV)	Act Cond (µS/cm)	Sp Cond (µS/cm)	Salinity (ppt)	Resist (Ohm-cm)	Density (g/cm³)	TDS (ppt)	Depth (ft)	Pressure (psi)	Air Temp (C)
3/14/2019 17:26	742	17.37	0.9	9.6	7.19	113.7	274.5	321.3	0.2	3643	0.999	0	-0.21	-0.09	24.7
3/14/2019 17:26	742	17.36	0.97	10.4	7.2	113.6	273.7	320.5	0.2	3653	0.999	0	-0.25	-0.108	24.7
3/14/2019 17:26	742	17.36	1.03	11	7.2	113.2	273.7	320.4	0.2	3654	0.999	0	-0.26	-0.113	24.7
3/14/2019 17:26	742	17.36	1.15	12.3	7.21	113.1	272.7	319.3	0.2	3667	0.999	0	-0.28	-0.123	24.7
3/14/2019 17:26	742	17.34	1.33	14.2	7.21	113.1	271.5	318.2	0.2	3683	0.999	0	-0.25	-0.109	24.7
3/14/2019 17:27	742	17.36	1.4	14.9	7.22	112.9	271.8	318.3	0.2	3680	0.999	0	-0.25	-0.107	24.7
3/14/2019 17:27	742	17.36	1.41	15.1	7.22	112.8	271.9	318.3	0.2	3678	0.999	0	-0.26	-0.113	24.7

Product Name: Low-Flow System

Date: 2019-03-13 15:37:52

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 155 ft

Pump placement from TOC 149.5 ft

Well Information:

Well ID GWA-40  
Well diameter 2 in  
Well Total Depth 154.8 ft  
Screen Length 10 ft  
Depth to Water 57.75 ft

Pumping Information:

Final Pumping Rate 130 mL/min  
Total System Volume 1.046831 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 3.51 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	15:23:36	900.02	19.09	7.10	172.51	0.79	57.75	6.66	114.63
Last 5	15:26:36	1080.02	18.97	7.10	171.41	0.95	57.75	7.03	114.62
Last 5	15:29:36	1260.06	18.88	7.12	170.57	0.79	57.75	7.11	114.23
Last 5	15:32:36	1440.03	18.70	7.12	170.73	0.85	57.75	7.14	113.28
Last 5	15:35:36	1620.02	18.70	7.12	177.40	0.55	57.75	7.08	111.67
Variance 0			-0.09	0.01	-0.84			0.08	-0.39
Variance 1			-0.18	0.00	0.16			0.03	-0.95
Variance 2			-0.00	0.00	6.67			-0.06	-1.60

Notes

Prepurged 0.5L  
Well performed well

Grab Samples

GWA-40  
Metals  
GWA-40  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-14 09:54:04

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 106.5 ft

Pump placement from TOC 97.5 ft

Well Information:

Well ID GWA-41  
Well diameter 2 in  
Well Total Depth 102.52 ft  
Screen Length 10 ft  
Depth to Water 64.21 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.9603546 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0.96 in  
Total Volume Pumped 4.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	09:40:03	2161.01	16.25	6.52	181.76	1.91	64.29	5.13	64.99
Last 5	09:43:03	2341.01	16.24	6.53	186.19	1.93	64.29	5.21	63.85
Last 5	09:46:03	2521.01	16.28	6.56	190.03	1.75	64.29	5.19	62.27
Last 5	09:49:03	2701.01	16.28	6.58	193.55	1.66	64.29	5.19	61.28
Last 5	09:52:03	2881.01	16.27	6.58	197.24	1.39	64.29	5.24	61.76
Variance 0			0.04	0.03	3.84			-0.02	-1.59
Variance 1			-0.01	0.02	3.52			0.00	-0.99
Variance 2			-0.01	-0.01	3.68			0.04	0.48

Notes

Prepurged 0.3L

Grab Samples

GWA-41  
Metals  
GWA-41  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-14 13:51:23

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 131 ft

Pump placement from TOC 124.8 ft

Well Information:

Well ID GWA-41R  
Well diameter 2 in  
Well Total Depth 129.80 ft  
Screen Length 10 ft  
Depth to Water 64.99 ft

Pumping Information:

Final Pumping Rate 105 mL/min  
Total System Volume 1.069708 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 10.2 in  
Total Volume Pumped 26.94 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	13:37:07	11882.94	19.45	7.00	290.02	11.10	65.05	3.43	42.75
Last 5	13:40:07	12062.94	19.14	6.92	290.94	11.20	65.06	3.52	46.66
Last 5	13:43:07	12242.93	18.83	6.93	291.08	11.00	65.06	3.52	46.07
Last 5	13:46:07	12422.93	18.48	6.94	291.60	10.35	65.06	3.51	45.91
Last 5	13:49:07	12602.93	18.39	6.93	292.07	9.90	65.06	3.49	46.74
Variance 0			-0.31	0.00	0.14			0.00	-0.59
Variance 1			-0.35	0.01	0.52			-0.01	-0.16
Variance 2			-0.09	-0.00	0.46			-0.02	0.84

Notes

Prepurged 0.5L

Grab Samples

GWA-41R  
Metals  
GWA-41R  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-14 16:19:05

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 90 ft

Pump placement from TOC 83 ft

Well Information:

Well ID GWA-42  
Well diameter 2 in  
Well Total Depth 87.90 ft  
Screen Length 10 ft  
Depth to Water 65.70 ft

Pumping Information:

Final Pumping Rate 140 mL/min  
Total System Volume 0.886708 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0.6 in  
Total Volume Pumped 3.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	16:05:03	720.02	18.70	7.49	270.32	5.69	65.74	3.85	28.76
Last 5	16:08:03	900.03	18.72	7.52	270.40	5.60	65.74	3.81	27.62
Last 5	16:11:03	1080.02	18.84	7.54	270.11	4.91	65.74	3.77	26.42
Last 5	16:14:03	1260.02	18.67	7.56	269.34	4.52	65.75	3.78	25.89
Last 5	16:17:03	1440.02	18.30	7.57	270.40	4.28	65.75	3.82	26.06
Variance 0			0.12	0.03	-0.29			-0.04	-1.20
Variance 1			-0.17	0.02	-0.77			0.01	-0.53
Variance 2			-0.37	0.01	1.07			0.04	0.17

Notes

Prepurged 0.3L

Grab Samples

GWA-42  
Metals  
GWA-42  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-13 10:33:51

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 93 ft

Pump placement from TOC 87.55 ft

Well Information:

Well ID GWA-43  
Well diameter 2 in  
Well Total Depth 92.55 ft  
Screen Length 10 ft  
Depth to Water 42.81 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.7700984 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 2.28 in  
Total Volume Pumped 9.36 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	10:16:13	2880.01	15.57	5.62	26.26	4.69	43.00	6.85	104.47
Last 5	10:19:13	3060.01	15.48	5.63	26.31	4.83	43.00	6.92	104.71
Last 5	10:22:13	3240.01	15.62	5.62	26.28	4.11	43.00	6.87	105.28
Last 5	10:25:13	3420.01	15.53	5.63	26.39	3.69	43.00	6.85	105.55
Last 5	10:28:13	3600.00	15.66	5.63	26.27	3.64	43.00	6.90	105.81
Variance 0			0.13	-0.00	-0.02			-0.05	0.58
Variance 1			-0.09	0.01	0.10			-0.01	0.27
Variance 2			0.13	-0.00	-0.11			0.05	0.26

Notes

Prepurged 2L  
Well performed ok. Dropped pump rate to 105 ml/min @0957 to try and drop turbidity.

Grab Samples

GWA-43  
Metals  
GWA-43  
Inorganics



Product Name: Low-Flow System

Date: 2019-03-13 13:32:43

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 113 ft

Pump placement from TOC 107.82 ft

Well Information:

Well ID GWA-43R  
Well diameter 2 in  
Well Total Depth 112.82 ft  
Screen Length 10 ft  
Depth to Water 43.2 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.8593668 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0.6 in  
Total Volume Pumped 14.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	13:08:54	6661.99	18.61	7.85	245.73	5.57	43.25	5.75	78.84
Last 5	13:11:54	6841.98	18.59	7.84	245.12	5.28	43.25	5.77	79.04
Last 5	13:14:54	7021.99	18.92	7.84	243.74	4.98	43.25	5.79	79.48
Last 5	13:17:54	7201.98	18.97	7.85	244.24	4.94	43.25	5.77	79.20
Last 5	13:20:54	7381.98	18.79	7.84	241.90	4.74	43.25	5.82	80.43
Variance 0			0.33	0.00	-1.38			0.01	0.44
Variance 1			0.05	0.01	0.50			-0.01	-0.28
Variance 2			-0.18	-0.01	-2.34			0.05	1.24

Notes

Prepurged 2L

Grab Samples

GWA-43R  
Metals

GWA-43R  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-14 09:44:13

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 90 ft

Pump placement from TOC 84.7 ft

Well Information:

Well ID GWC-44  
Well diameter 2 in  
Well Total Depth 89.7 ft  
Screen Length 10 ft  
Depth to Water 41.5 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.756708 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 5.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	09:27:42	1440.02	17.06	4.40	181.86	0.61	41.75	3.07	122.47
Last 5	09:30:42	1620.02	17.09	4.40	181.93	0.65	41.77	3.07	122.92
Last 5	09:33:42	1800.02	17.10	4.40	181.99	0.60	41.77	3.08	123.41
Last 5	09:36:42	1980.01	17.14	4.41	181.81	0.78	41.79	3.08	123.70
Last 5	09:39:42	2160.02	17.19	4.41	181.72	0.52	41.80	3.08	124.21
Variance 0			0.00	-0.00	0.06			0.01	0.49
Variance 1			0.05	0.00	-0.18			0.00	0.29
Variance 2			0.04	0.00	-0.09			-0.00	0.51

Notes

Prepurged 1L

Took 7 additional stable readings after the third stable reading to try and achieve desired ph range between 5.6-7.9. Well stable around 4.41 pH

Grab Samples

GWC-44

Metals

GWC-44

Inorganics

Product Name: Low-Flow System

Date: 2019-03-14 13:46:55

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 68 ft

Pump placement from TOC 62.6 ft

Well Information:

Well ID GWC-45  
Well diameter 2 in  
Well Total Depth 67.6 ft  
Screen Length 10 ft  
Depth to Water 32.83 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.6585128 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 59.64 in  
Total Volume Pumped 13.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	13:13:44	5765.00	18.80	5.03	22.00	6.22	37.70	5.60	130.38
Last 5	13:16:44	5945.00	18.46	5.02	21.79	5.79	37.80	5.67	130.95
Last 5	13:19:44	6125.00	18.92	4.99	21.92	4.24	37.86	5.55	130.60
Last 5	13:22:44	6305.00	18.88	5.00	21.70	3.88	37.80	5.56	130.91
Last 5	13:25:44	6484.99	18.63	5.01	21.92	4.24	37.80	5.63	130.84
Variance 0			0.46	-0.02	0.13			-0.13	-0.35
Variance 1			-0.04	0.01	-0.22			0.01	0.30
Variance 2			-0.25	0.01	0.22			0.07	-0.07

Notes

Prepurged 0.5L

Adjusted pump rate to 140ml/min at 1143, to 130ml/min at 1152 and 100ml/min at 1223 to reduce drawdown. Well a little shallow for BP Controller; caused turbidity and drawdown to periodically fluctuate.

Grab Samples

GWC-45

Metals

GWC-45

Inorganics

Product Name: Low-Flow System

Date: 2019-03-14 11:02:00

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 128 ft

Pump placement from TOC 123.1 ft

Well Information:

Well ID GWC-45R  
Well diameter 2 in  
Well Total Depth 128.1 ft  
Screen Length 10 ft  
Depth to Water 43.8 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.9263182 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0.24 in  
Total Volume Pumped 3.15 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	10:47:38	540.02	17.41	7.05	356.41	0.49	43.83	3.45	86.85
Last 5	10:50:38	720.02	17.42	7.08	357.14	0.65	43.82	3.63	87.14
Last 5	10:53:38	900.02	17.50	7.10	357.43	0.70	43.82	3.67	87.27
Last 5	10:56:38	1080.02	17.63	7.12	357.21	0.84	43.82	3.70	87.19
Last 5	10:59:38	1260.02	17.72	7.14	356.95	0.74	43.82	3.69	87.20
Variance 0			0.08	0.02	0.28			0.04	0.13
Variance 1			0.14	0.02	-0.22			0.03	-0.08
Variance 2			0.09	0.01	-0.26			-0.01	0.01

Notes

Prepurged 0.5L  
Well performed well

Grab Samples

GWC-45R

Metals

GWC-45R

Inorganics

Product Name: Low-Flow System

Date: 2019-03-18 09:45:53

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 60 ft

Pump placement from TOC 54 ft

Well Information:

Well ID GWC-46R  
Well diameter 2 in  
Well Total Depth 59.10 ft  
Screen Length 10 ft  
Depth to Water 31.27 ft

Pumping Information:

Final Pumping Rate 125 mL/min  
Total System Volume 0.7528054 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 15.96 in  
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	09:28:05	480.03	14.04	7.37	473.23	0.30	32.35	7.63	69.84
Last 5	09:32:05	720.03	13.95	7.37	473.07	0.11	32.47	7.58	58.19
Last 5	09:36:05	960.02	14.08	7.38	471.34	0.20	32.51	7.53	51.36
Last 5	09:40:05	1200.01	14.27	7.38	474.79	0.09	32.55	7.56	46.15
Last 5	09:44:05	1440.02	14.32	7.39	469.33	0.10	32.60	7.45	43.07
Variance 0			0.13	0.01	-1.73			-0.05	-6.83
Variance 1			0.19	0.00	3.45			0.03	-5.21
Variance 2			0.06	0.01	-5.46			-0.11	-3.08

Notes

Prepurged 0.5L

Grab Samples

GWC-46R  
Metals

GWC-46R  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-15 09:50:40

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 67.3 ft

Pump placement from TOC 62.3 ft

Well Information:

Well ID GWC-47  
Well diameter 2 in  
Well Total Depth 67.33 ft  
Screen Length 10 ft  
Depth to Water 32.53 ft

Pumping Information:

Final Pumping Rate 130 mL/min  
Total System Volume 0.6553884 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 2.34 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	09:35:20	360.03	16.69	7.49	218.38	3.80	32.53	2.67	85.25
Last 5	09:38:20	540.02	16.65	7.48	217.90	3.80	32.53	2.68	81.44
Last 5	09:41:20	720.02	16.52	7.46	217.92	4.16	32.53	2.70	79.46
Last 5	09:44:20	900.02	16.53	7.46	217.35	4.08	32.53	2.71	77.32
Last 5	09:47:20	1080.01	16.34	7.45	216.33	4.00	32.53	2.72	76.60
Variance 0			-0.13	-0.01	0.02			0.02	-1.98
Variance 1			0.01	-0.00	-0.57			0.01	-2.14
Variance 2			-0.19	-0.01	-1.02			0.01	-0.72

Notes

Prepurged 3L  
Well performed well

Grab Samples

GWC-47  
Metals  
GWC-47  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-15 12:02:00

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 85.4 ft

Pump placement from TOC 79.4 ft

Well Information:

Well ID GWC-47R  
Well diameter 2 in  
Well Total Depth 84.4 ft  
Screen Length 10 ft  
Depth to Water 32.5 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.7361763 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 78 in  
Total Volume Pumped 11 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	11:43:42	4685.98	17.09	8.03	255.27	3.03	38.70	2.21	19.51
Last 5	11:46:42	4865.98	17.14	8.06	255.38	2.87	38.80	2.21	19.02
Last 5	11:49:46	5049.98	17.20	8.06	256.20	3.00	38.85	2.28	17.76
Last 5	11:52:46	5229.98	17.22	8.10	255.35	2.96	38.90	2.40	17.33
Last 5	11:55:48	5411.97	17.19	8.12	256.12	2.55	39.00	2.39	16.86
Variance 0			0.06	0.01	0.82			0.08	-1.26
Variance 1			0.02	0.04	-0.85			0.11	-0.43
Variance 2			-0.03	0.01	0.78			-0.01	-0.47

Notes

1L Prepured

Ph kept increasing although well had stabilized. Called Brad F. at 1156& under instructions from Joju A., well was not sampled due to climbing pH.

Well will be redeveloped next week and will be resampled then.



Grab Samples



Product Name: Low-Flow System

Date: 2019-03-18 12:41:48

Project Information:

Operator Name Kevin Stephenson  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 364455  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type GeoTech Reclaimer  
Tubing Type LDPE  
Tubing Diameter .5 in  
Tubing Length 85 ft

Pump placement from TOC 83.40 ft

Well Information:

Well ID GWC-47R WD  
Well diameter 2 in  
Well Total Depth 84.40 ft  
Screen Length 10 ft  
Depth to Water 32.92 ft

Pumping Information:

Final Pumping Rate 500 mL/min  
Total System Volume 3.771929 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 560.52 in  
Total Volume Pumped 10 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	12:20:05	240.04	16.54	7.77	264.85	0.65	79.72	7.38	354.22
Last 5	12:24:05	480.02	16.57	7.81	255.18	0.34	79.72	7.33	394.11
Last 5	12:28:05	720.02	16.63	7.83	264.71	0.45	79.70	7.25	427.81
Last 5	12:32:05	960.02	16.65	7.83	264.19	0.47	79.73	7.17	454.73
Last 5	12:36:06	1201.00	16.72	7.86	262.28	0.42	79.63	7.10	472.30
Variance 0			0.06	0.02	9.53			-0.08	33.70
Variance 1			0.02	0.01	-0.52			-0.08	26.91
Variance 2			0.07	0.03	-1.91			-0.07	17.57

Notes

Well development requested due to persistent pH over 8.0. Redevelopment performed and pH lower than 8.0 documented. Pre-purged 57 liters. Bug parts observed in discharge tube and bucket. Upon completion well seems clean with a turbidity below 1 NTU.

Grab Samples

Product Name: Low-Flow System

Date: 2019-03-19 16:25:32

Project Information:

Operator Name Kevin Stephenson  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 85 ft

Pump placement from TOC 79.40 ft

Well Information:

Well ID GWC-47R  
Well diameter 2 in  
Well Total Depth 84.40 ft  
Screen Length 10 ft  
Depth to Water 32.53 ft

Pumping Information:

Final Pumping Rate 140 mL/min  
Total System Volume 0.859391 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 68.76 in  
Total Volume Pumped 17.36 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	16:06:05	6480.01	17.19	7.94	281.60	0.26	38.26	4.70	51.25
Last 5	16:10:05	6720.01	17.10	7.93	281.30	0.30	38.26	4.74	50.93
Last 5	16:14:05	6960.01	17.14	7.93	281.02	0.22	38.22	4.73	50.62
Last 5	16:18:05	7200.01	17.14	7.92	280.90	0.26	38.28	4.72	50.45
Last 5	16:22:08	7443.01	17.22	7.93	280.70	0.25	38.26	4.70	50.26
Variance 0			0.04	0.01	-0.29			-0.01	-0.31
Variance 1			0.00	-0.01	-0.12			-0.01	-0.18
Variance 2			0.08	0.00	-0.20			-0.02	-0.18

Notes

Pre-purged 3 liters

Grab Samples

GWC-47R

Metals

GWC-47R

Inorganics

Product Name: Low-Flow System

Date: 2019-03-15 13:57:26

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 60 ft

Pump placement from TOC 54.5 ft

Well Information:

Well ID GWC-48  
Well diameter 2 in  
Well Total Depth 59.5 ft  
Screen Length 10 ft  
Depth to Water 29.35 ft

Pumping Information:

Final Pumping Rate 130 mL/min  
Total System Volume 0.6228054 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0.6 in  
Total Volume Pumped 5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	13:41:57	2701.00	17.86	5.28	46.34	0.61	29.40	3.10	12.75
Last 5	13:44:57	2881.00	17.73	5.28	46.62	0.46	29.40	3.08	13.80
Last 5	13:47:57	3061.00	17.59	5.29	46.32	0.42	29.40	3.09	15.26
Last 5	13:50:57	3241.00	17.55	5.28	45.78	0.65	29.40	3.14	16.13
Last 5	13:53:59	3423.00	17.56	5.28	45.96	0.40	29.40	3.20	16.60
Variance 0			-0.14	0.01	-0.30			0.01	1.46
Variance 1			-0.04	-0.01	-0.54			0.05	0.87
Variance 2			0.01	0.00	0.18			0.06	0.46

Notes

Prepurged 1L

Well stabilized relatively quickly. Ph slightly below desired range. Gave 7 additional stable readings to see if ph could increase. Ph stable at 5.28

Grab Samples

GWC-48  
Metals  
GWC-48  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-18 14:09:14

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 135.5 ft

Pump placement from TOC 129.4 ft

Well Information:

Well ID GWC-49R  
Well diameter 2 in  
Well Total Depth 134.40 ft  
Screen Length 10 ft  
Depth to Water 48.15 ft

Pumping Information:

Final Pumping Rate 235 mL/min  
Total System Volume 1.089794 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 45.9 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	13:50:09	11766.93	17.40	7.90	282.32	0.22	48.12	5.00	-11.22
Last 5	13:54:09	12006.93	17.37	7.90	283.41	0.16	48.12	4.99	-11.08
Last 5	13:58:10	12247.93	17.54	7.90	283.33	0.13	48.12	4.92	-11.64
Last 5	14:02:10	12487.93	17.53	7.90	283.87	0.17	48.12	4.93	-11.06
Last 5	14:06:10	12727.93	17.38	7.89	286.30	0.16	48.12	4.93	-10.98
Variance 0			0.17	0.01	-0.08			-0.07	-0.57
Variance 1			-0.01	-0.01	0.54			0.01	0.58
Variance 2			-0.15	-0.01	2.42			-0.00	0.09

Notes

Prepurged 0.4L

Grab Samples

GWC-49R

Metals

DUP-2

Metals

GWC-49R

Inorganics

DUP-2  
Inorganics



Product Name: Low-Flow System

Date: 2019-03-18 16:24:09

Project Information:

Operator Name Kevin Stephenson  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 364455  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 95 ft

Pump placement from TOC 89.47 ft

Well Information:

Well ID GWC-49Z  
Well diameter 2 in  
Well Total Depth 94.47 ft  
Screen Length 10 ft  
Depth to Water 47.42 ft

Pumping Information:

Final Pumping Rate 140 mL/min  
Total System Volume 0.9040251 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 7.78 in  
Total Volume Pumped 15.68 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	16:04:24	5765.97	16.39	5.54	28.49	2.79	48.08	7.42	327.87
Last 5	16:08:24	6005.97	16.44	5.53	28.54	2.83	48.08	7.46	325.41
Last 5	16:12:24	6245.97	16.49	5.54	28.52	3.01	48.08	7.39	323.57
Last 5	16:16:24	6485.97	16.54	5.53	28.46	2.57	48.07	7.40	328.10
Last 5	16:20:24	6725.96	16.60	5.53	28.48	2.39	48.07	7.44	325.32
Variance 0			0.05	0.01	-0.02			-0.07	-1.84
Variance 1			0.04	-0.00	-0.06			0.01	4.54
Variance 2			0.06	-0.00	0.02			0.04	-2.79

Notes

Pre-purged 4.5 liters. Value for pH were outside of the acceptable statistical threshold. Resampling to be preformed 3/19.

Grab Samples

Product Name: Low-Flow System

Date: 2019-03-19 10:26:37

Project Information:

Operator Name Kevin Stephenson  
Company Name Resolute  
Project Name Cells 9&10  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 364455  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 95 ft

Pump placement from TOC 89.47 ft

Well Information:

Well ID GWC-49Z  
Well diameter 2 in  
Well Total Depth 94.47 ft  
Screen Length 10 ft  
Depth to Water 47.41 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.9040251 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 6.6 in  
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	10:08:08	2640.02	15.04	5.59	29.60	1.26	47.94	7.46	590.40
Last 5	10:12:08	2880.02	15.16	5.59	29.47	1.32	47.95	7.44	610.00
Last 5	10:16:07	3120.01	15.53	5.60	29.23	1.16	47.96	7.42	628.39
Last 5	10:20:08	3360.02	15.23	5.60	29.32	1.44	47.96	7.47	642.77
Last 5	10:24:08	3600.02	15.25	5.60	29.23	1.28	47.96	7.48	659.58
Variance 0			0.38	0.01	-0.23			-0.02	18.39
Variance 1			-0.31	0.01	0.09			0.05	14.38
Variance 2			0.03	-0.00	-0.09			0.01	16.82

Notes

Pre-purged 1 liter

Grab Samples

GWC-49Z

Metals

GWC-49Z

Inorganics



Product Name: Low-Flow System

Date: 2019-03-19 11:56:21

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 99 ft

Pump placement from TOC 92 ft

Well Information:

Well ID GWA-50  
Well diameter 2 in  
Well Total Depth 96.73 ft  
Screen Length 10 ft  
Depth to Water 48.32 ft

Pumping Information:

Final Pumping Rate 130 mL/min  
Total System Volume 0.9268789 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 163.08 in  
Total Volume Pumped 28.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	11:38:11	8648.96	15.85	5.86	35.04	1.73	61.35	5.81	71.44
Last 5	11:42:12	8889.96	15.48	5.87	34.89	1.69	61.48	5.89	71.00
Last 5	11:46:12	9129.96	15.26	5.93	34.68	1.75	61.64	5.87	68.23
Last 5	11:50:13	9370.96	15.13	5.92	34.49	1.87	61.77	5.86	68.91
Last 5	11:54:13	9610.95	15.12	5.93	34.50	1.62	61.91	5.83	68.38
Variance 0			-0.23	0.06	-0.21			-0.02	-2.77
Variance 1			-0.12	-0.01	-0.19			-0.01	0.68
Variance 2			-0.01	0.01	0.01			-0.04	-0.53

Notes

Prepurged 0.3L

Grab Samples

GWA-50  
Metals  
DUP-1  
Metals  
GWA-50  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-19 15:36:10

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 1&2  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 146.5 ft

Pump placement from TOC 140.5 ft

Well Information:

Well ID GWA-50R  
Well diameter 2 in  
Well Total Depth 145.53 ft  
Screen Length 10 ft  
Depth to Water 65.37 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 1.138891 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 13.7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	15:17:06	6724.98	15.93	5.86	42.21	0.60	65.36	10.08	85.80
Last 5	15:21:06	6964.97	16.05	5.89	43.01	2.90	65.36	10.03	83.77
Last 5	15:25:09	7207.97	15.95	5.91	44.03	0.87	65.36	9.89	83.07
Last 5	15:29:09	7447.97	16.11	5.95	45.20	0.76	65.36	9.82	81.96
Last 5	15:33:10	7688.97	16.05	6.01	45.34	0.74	65.36	9.79	78.62
Variance 0			-0.09	0.02	1.01			-0.14	-0.70
Variance 1			0.16	0.04	1.17			-0.07	-1.10
Variance 2			-0.06	0.06	0.15			-0.03	-3.35

Notes

Prepurged 0.5L

Grab Samples

GWA-50R  
Metals

GWA-50R  
Inorganics

DUP-1  
Inorganics



Product Name: Low-Flow System

Date: 2019-03-07 16:16:57

Project Information:

Operator Name Audrey Crafton  
Company Name Resolute Env  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 364455  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 96 ft

Pump placement from TOC 90.70 ft

Well Information:

Well ID GWA-51RZ  
Well diameter 2 in  
Well Total Depth 95.70 ft  
Screen Length 10 ft  
Depth to Water 50.77 ft

Pumping Information:

Final Pumping Rate 105 mL/min  
Total System Volume 0.9134886 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 364.56 in  
Total Volume Pumped 29 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	15:52:03	15600.06	16.41	7.54	367.01	0.48	80.85	3.06	911.01
Last 5	15:56:03	15840.06	16.31	7.55	366.82	0.66	81.14	3.08	889.77
Last 5	16:00:03	16080.06	16.22	7.55	367.20	0.56	81.54	3.07	882.89
Last 5	16:04:03	16320.06	16.20	7.55	367.45	0.54	81.93	3.08	907.72
Last 5	16:08:03	16560.06	16.10	7.55	367.32	0.56	82.29	3.09	868.33
Variance 0			-0.09	-0.00	0.38			-0.01	-6.88
Variance 1			-0.03	0.00	0.25			0.01	24.83
Variance 2			-0.09	0.00	-0.13			0.01	-39.39

Notes

Prepurged 0.5L  
No sample. Performing a complete evacuation since water level will not stabilize

Grab Samples

Product Name: Low-Flow System

Date: 2019-03-07 12:29:42

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 85 ft

Pump placement from TOC 79 ft

Well Information:

Well ID GWA-52  
Well diameter 2 in  
Well Total Depth 83.96 ft  
Screen Length 10 ft  
Depth to Water 51.68 ft

Pumping Information:

Final Pumping Rate 130 mL/min  
Total System Volume 0.864391 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 4.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	12:12:02	960.02	17.19	7.13	285.09	0.03	51.67	5.80	48.08
Last 5	12:16:02	1200.02	17.18	7.17	285.06	0.04	51.66	5.72	46.89
Last 5	12:20:02	1440.02	17.20	7.23	284.54	0.06	51.66	5.68	44.90
Last 5	12:24:02	1680.02	17.28	7.25	286.42	0.16	51.65	5.70	44.29
Last 5	12:28:02	1920.01	17.18	7.29	286.53	0.23	51.66	5.69	42.96
Variance 0			0.02	0.06	-0.51			-0.04	-1.99
Variance 1			0.08	0.02	1.88			0.02	-0.61
Variance 2			-0.09	0.04	0.11			-0.01	-1.32

Notes

Prepurged 0.4L

Grab Samples

GWA-52  
Inorganics  
GWA-52  
Metals

Product Name: Low-Flow System

Date: 2019-03-08 14:19:21

Project Information:

Operator Name Kevin Stephenson  
Company Name Resolute Env  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Bladder  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 121 ft

Pump placement from TOC 115.92 ft

Well Information:

Well ID GWA-53  
Well diameter 2 in  
Well Total Depth 120.92 ft  
Screen Length 10 ft  
Depth to Water 52.77 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.7300742 L  
Calculated Sample Rate 240 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 23.04 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	14:00:53	10561.95	16.33	7.74	260.27	7.84	52.77	7.06	22.84
Last 5	14:04:53	10801.95	16.34	7.73	259.91	7.75	52.77	7.06	22.81
Last 5	14:08:53	11041.94	16.31	7.70	259.83	7.61	52.77	7.05	24.96
Last 5	14:12:53	11281.94	16.31	7.73	259.96	6.99	52.77	7.05	22.79
Last 5	14:16:53	11521.93	16.30	7.73	260.23	7.64	52.77	7.05	22.74
Variance 0			-0.03	-0.03	-0.08			-0.01	2.14
Variance 1			0.00	0.03	0.13			0.00	-2.16
Variance 2			-0.02	0.00	0.27			0.00	-0.06

Notes

Pre-purged 2.5 liters. Three hours after stabilization turbidity was below 10 but higher than 5. Well sampled according to FSP.

Grab Samples

GWA-53  
Metals  
GWA-53  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-12 10:08:03

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 169 ft

Pump placement from TOC 163.8 ft

Well Information:

Well ID GWA-53R  
Well diameter 2 in  
Well Total Depth 168.8 ft  
Screen Length 10 ft  
Depth to Water 53.35 ft

Pumping Information:

Final Pumping Rate 170 mL/min  
Total System Volume 1.1108426 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 2.55 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	09:51:24	180.07	17.97	7.75	270.24	4.74	53.35	6.02	62.75
Last 5	09:54:24	360.02	17.71	7.73	270.48	4.95	53.35	6.03	51.39
Last 5	09:57:24	540.02	17.71	7.72	270.07	3.67	53.35	5.95	44.32
Last 5	10:00:24	720.02	17.68	7.71	269.78	3.11	53.35	5.98	41.51
Last 5	10:03:24	900.02	17.55	7.70	270.02	3.11	53.35	5.95	39.92
Variance 0			-0.00	-0.01	-0.41			-0.08	-7.07
Variance 1			-0.03	-0.01	-0.29			0.03	-2.81
Variance 2			-0.13	-0.01	0.24			-0.03	-1.60

Notes

Prepurged 1L  
Well performed well

Grab Samples

GWA-53R  
Metals  
GWA-53R  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-07 14:06:42

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 76 ft

Pump placement from TOC 71.1 ft

Well Information:

Well ID GWA-54  
Well diameter 2 in  
Well Total Depth 76.1 ft  
Screen Length 10 ft  
Depth to Water 46 ft

Pumping Information:

Final Pumping Rate 130 mL/min  
Total System Volume 0.6942202 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 5.89 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	13:40:07	2160.00	16.78	7.55	229.10	0.33	46.00	2.90	50.87
Last 5	13:43:07	2340.00	16.91	7.56	229.49	0.33	46.00	3.02	49.32
Last 5	13:46:07	2520.00	16.84	7.54	229.74	0.32	46.00	2.87	49.33
Last 5	13:49:07	2700.00	16.94	7.55	230.52	0.35	46.00	2.92	47.63
Last 5	13:52:07	2880.00	17.10	7.55	230.06	0.27	46.00	3.16	46.81
Variance 0			-0.07	-0.02	0.25			-0.15	0.01
Variance 1			0.10	0.01	0.78			0.05	-1.71
Variance 2			0.16	-0.00	-0.46			0.23	-0.81

Notes

Prepurged 1L  
Bp controller dropped pump rate below 100 ml/min at 1317. Adjusted rate to 120 ml/min.

Grab Samples

GWA-54  
Metals  
GWA-54  
Inorganics



Product Name: Low-Flow System

Date: 2019-03-08 10:17:46

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 65 ft

Pump placement from TOC 60.2 ft

Well Information:

Well ID GWA-55  
Well diameter 2 in  
Well Total Depth 65.2 ft  
Screen Length 10 ft  
Depth to Water 38.45 ft

Pumping Information:

Final Pumping Rate 130 mL/min  
Total System Volume 0.6451225 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 2.73 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	10:00:36	540.02	16.06	7.21	411.11	0.57	38.45	3.84	91.20
Last 5	10:03:36	720.02	15.99	7.18	410.13	0.50	38.45	3.78	77.92
Last 5	10:06:36	900.02	16.25	7.16	402.68	0.51	38.45	3.81	67.20
Last 5	10:09:36	1080.02	16.31	7.15	400.57	0.40	38.45	3.55	58.92
Last 5	10:12:36	1260.01	16.14	7.14	397.95	0.36	38.45	3.53	52.85
Variance 0			0.26	-0.02	-7.45			0.03	-10.72
Variance 1			0.06	-0.01	-2.11			-0.25	-8.27
Variance 2			-0.17	-0.01	-2.62			-0.02	-6.07

Notes

Prepurged 1L  
Well performed well

Grab Samples

GWA-55  
Metals  
GWA-55  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-07 15:13:47

Project Information:

Operator Name Veronica Fay  
Company Name Resolute  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type LDPE  
Tubing Diameter 0.17 in  
Tubing Length 106 ft

Pump placement from TOC 100.7 ft

Well Information:

Well ID GWA-55R  
Well diameter 2 in  
Well Total Depth 105.7 ft  
Screen Length 10 ft  
Depth to Water 38.43 ft

Pumping Information:

Final Pumping Rate 170 mL/min  
Total System Volume 0.8281228 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 2.55 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	14:58:03	180.03	16.98	7.23	370.12	2.97	38.42	3.98	4.72
Last 5	15:01:03	360.02	16.97	7.21	373.25	3.67	38.43	4.15	13.25
Last 5	15:04:03	540.02	16.88	7.22	373.51	3.30	38.43	4.18	18.62
Last 5	15:07:03	720.02	16.93	7.22	374.82	3.75	38.43	4.21	22.45
Last 5	15:10:03	900.02	16.74	7.22	374.87	3.69	38.43	4.21	24.62
Variance 0			-0.09	0.00	0.26			0.03	5.36
Variance 1			0.05	-0.00	1.31			0.03	3.83
Variance 2			-0.19	0.01	0.05			0.00	2.17

Notes

Prepurged 2L  
Organic flecks coming up with discharge. Not affecting Turbidity.

Grab Samples

GWA-55R  
Metals  
GWA-55R  
Inorganics

Product Name: Low-Flow System

Date: 2019-03-07 15:53:19

Project Information:

Operator Name Robert Mull  
Company Name Resolute Env  
Project Name Cells 3&4  
Site Name Plant Bowen  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated Pump  
Tubing Type LDPE  
Tubing Diameter .17 in  
Tubing Length 87 ft

Pump placement from TOC 81 ft

Well Information:

Well ID GWA-56  
Well diameter 2 in  
Well Total Depth 85.87 ft  
Screen Length 10 ft  
Depth to Water 34.05 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.8733178 L  
Calculated Sample Rate 180 sec  
Stabilization Drawdown 4.8 in  
Total Volume Pumped 4.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	15:39:06	1261.02	16.60	8.08	605.47	8.01	34.45	0.43	24.57
Last 5	15:42:06	1441.02	16.56	8.08	601.59	5.95	34.46	0.50	19.45
Last 5	15:45:06	1621.02	16.51	8.06	599.83	4.92	34.46	0.54	14.39
Last 5	15:48:06	1801.02	16.61	8.05	597.63	4.17	34.46	0.58	9.35
Last 5	15:51:07	1982.01	16.65	8.05	594.09	4.18	34.45	0.63	5.36
Variance 0			-0.05	-0.01	-1.76			0.04	-5.06
Variance 1			0.10	-0.01	-2.20			0.04	-5.05
Variance 2			0.03	-0.01	-3.53			0.05	-3.99

Notes

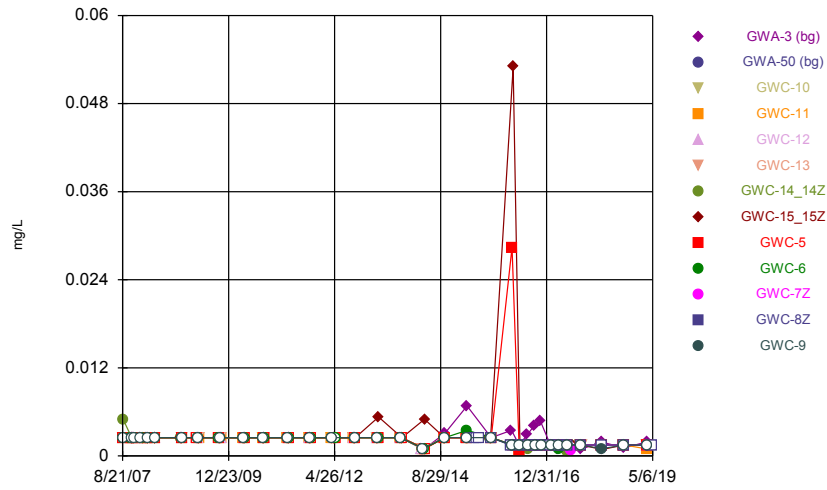
Prepurged 1L

Grab Samples

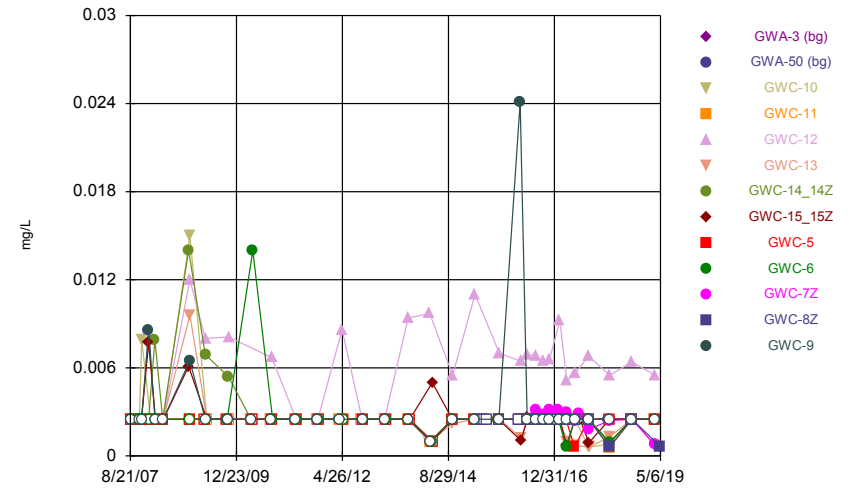
GWA-56  
Metals  
GWA-56  
Inorganics

**APPENDIX B**  
**HISTORICAL GROUNDWATER MONITORING RESULTS**

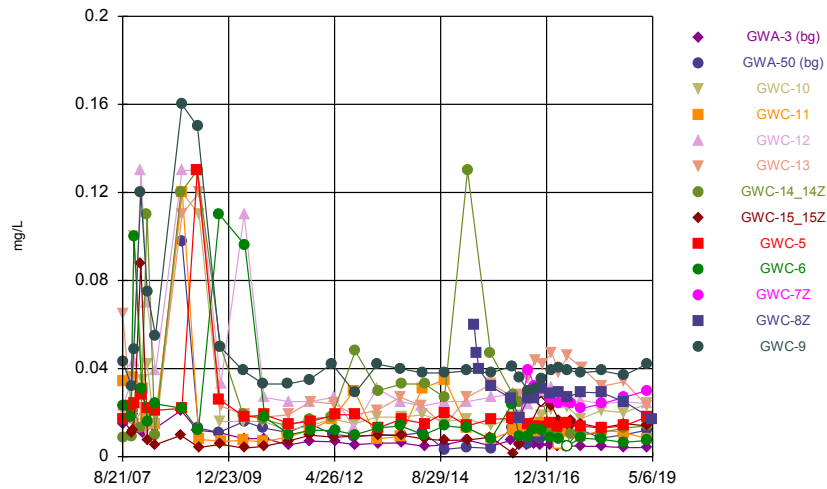
Time Series



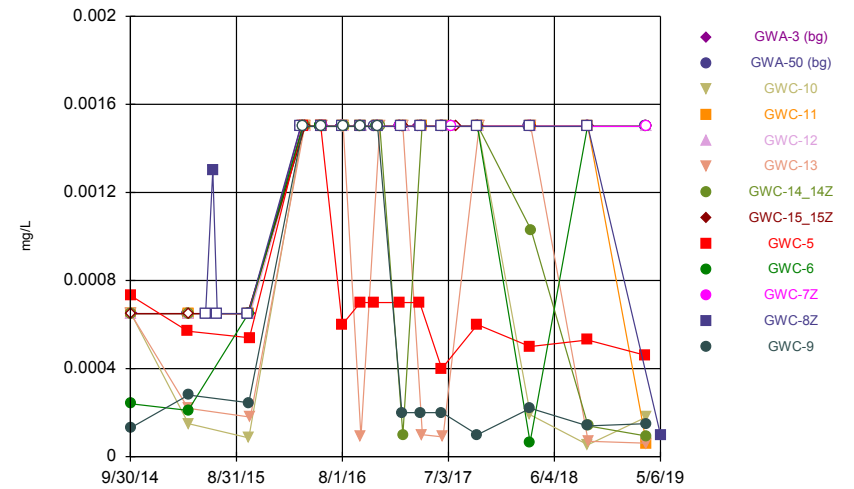
Time Series



Time Series



Time Series



# Time Series

Constituent: Antimony (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			<0.005	<0.005	<0.005	<0.005			
8/22/2007									
8/23/2007	<0.005								<0.005
8/24/2007							0.005	<0.005	
10/25/2007									<0.005
11/1/2007			<0.005	<0.005	<0.005	<0.005			
11/2/2007	<0.005						<0.005	<0.005	
11/17/2007							<0.005		
11/18/2007	<0.005			<0.005				<0.005	
11/19/2007					<0.005	<0.005			<0.005
11/20/2007			<0.005						
1/15/2008							<0.005	<0.005	
1/16/2008					<0.005				
1/23/2008									<0.005
1/30/2008			<0.005	<0.005					
1/31/2008	<0.005					<0.005			
3/5/2008				<0.005	<0.005	<0.005	<0.005		
3/6/2008			<0.005						
3/10/2008								<0.005	
3/11/2008	<0.005								<0.005
5/7/2008				<0.005			<0.005		
5/12/2008			<0.005			<0.005			<0.005
5/13/2008					<0.005			<0.005	
5/14/2008	<0.005								
12/2/2008							<0.005	<0.005	
12/5/2008	<0.005								
12/11/2008									<0.005
12/12/2008		<0.005							
12/13/2008			<0.005		<0.005	<0.005			
12/14/2008				<0.005					
4/15/2009	<0.005								<0.005
4/16/2009					<0.005		<0.005		
4/23/2009		<0.005							
4/28/2009						<0.005		<0.005	
4/29/2009			<0.005	<0.005					
10/6/2009		<0.005							
10/8/2009	<0.005								
10/9/2009									<0.005
10/13/2009									
10/20/2009			<0.005				<0.005	<0.005	
10/21/2009					<0.005	<0.005			
10/22/2009				<0.005					
4/20/2010							<0.005		
4/21/2010				<0.005					
4/26/2010			<0.005						
4/27/2010		<0.005			<0.005			<0.005	
4/28/2010	<0.005					<0.005			
5/4/2010									<0.005
9/28/2010				<0.005					
9/29/2010			<0.005				<0.005		
9/30/2010		<0.005							
10/5/2010					<0.005	<0.005		<0.005	



# Time Series

Constituent: Antimony (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	0.0031 (J)								
3/30/2015		<0.005							
3/31/2015	0.0068								<0.005
4/1/2015				<0.005	<0.005	<0.005			
4/2/2015			<0.005						
4/3/2015							<0.005	<0.005	
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015								0.0025 (J)	
10/7/2015							<0.005		
10/8/2015									
10/9/2015									
10/10/2015			<0.005						
10/11/2015		<0.005		<0.005					
10/12/2015	<0.005								<0.005
10/14/2015					<0.005				
10/15/2015						<0.005			
3/22/2016									
3/23/2016	0.0035								
3/28/2016		0.00139 (J)							0.0284 (J)
3/29/2016									
3/30/2016									
3/31/2016			<0.003						
4/4/2016				<0.003	<0.003	<0.003			
4/5/2016							<0.003	0.053 (J)	
5/23/2016	<0.003	0.000677 (J)							
5/24/2016									
5/25/2016									0.000686 (J)
5/26/2016			<0.003	0.000722 (J)					
5/27/2016					<0.003				
5/31/2016						<0.003		0.00088 (J)	
6/1/2016							0.000895 (J)		
7/29/2016	0.0029 (J)								
8/1/2016		<0.003 (*)							<0.003 (*)
8/2/2016									
8/3/2016				<0.003 (*)	<0.003 (*)				
8/4/2016						<0.003 (*)			
8/5/2016			<0.003						
8/9/2016							0.00095 (JD)		
9/22/2016	0.0041								
9/26/2016		<0.003							
9/27/2016									<0.003
9/28/2016			<0.003	<0.003					
9/29/2016						<0.003 (*)			
9/30/2016					<0.003				
11/10/2016	0.0048 (J)	<0.003 (*)							
11/11/2016									<0.003
11/18/2016									
11/21/2016									
11/22/2016			<0.003	<0.003	<0.003				
11/23/2016							<0.003		





# Time Series

Constituent: Antimony (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	<0.005			
8/23/2007				<0.005
8/24/2007				
10/25/2007	<0.005			
11/1/2007				<0.005
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				<0.005
11/20/2007	<0.005			
1/15/2008				<0.005
1/16/2008				
1/23/2008	<0.005			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				<0.005
3/10/2008				
3/11/2008	<0.005			
5/7/2008				
5/12/2008				
5/13/2008				<0.005
5/14/2008	<0.005			
12/2/2008				
12/5/2008				
12/11/2008	<0.005			
12/12/2008				<0.005
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				<0.005
4/23/2009	<0.005			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	<0.005			
10/13/2009				<0.005
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				<0.005
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	<0.005			
9/28/2010				
9/29/2010				<0.005
9/30/2010				
10/5/2010				

# Time Series

Constituent: Antimony (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	<0.005			
10/12/2010				
4/12/2011				
4/13/2011				<0.005
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	<0.005			
4/28/2011				
10/4/2011				
10/5/2011				<0.005
10/12/2011				
10/13/2011				
10/18/2011	<0.005			
10/19/2011				
4/3/2012				
4/4/2012				<0.005
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	<0.005			
10/2/2012				
10/3/2012				
10/8/2012	<0.005			<0.005
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				<0.005
4/9/2013				
4/10/2013	<0.005			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	<0.005			
10/9/2013				<0.005
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				<0.002
4/10/2014				
4/14/2014	<0.002			
4/21/2014				
4/23/2014				
9/30/2014				<0.005
10/1/2014				
10/2/2014				
10/3/2014	<0.005			

# Time Series

Constituent: Antimony (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	0.0035 (J)			
4/2/2015				<0.005
4/3/2015				
5/26/2015			<0.005	
6/18/2015			<0.005 (D)	
7/2/2015			<0.005	
10/6/2015				
10/7/2015				
10/8/2015			<0.005	
10/9/2015	<0.005			
10/10/2015				<0.005 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			<0.003	
3/23/2016				
3/28/2016				
3/29/2016	<0.003			
3/30/2016				<0.003
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	<0.003			
5/25/2016			<0.003	
5/26/2016				<0.003
5/27/2016				
5/31/2016		<0.003		
6/1/2016				
7/29/2016				
8/1/2016	<0.003			
8/2/2016		<0.003	<0.003	
8/3/2016				
8/4/2016				
8/5/2016				<0.003 (*)
8/9/2016				
9/22/2016				
9/26/2016	<0.003		<0.003	
9/27/2016		<0.003		
9/28/2016				<0.003
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	<0.003			
11/21/2016		<0.003	<0.003	<0.003
11/22/2016				
11/23/2016				

# Time Series

Constituent: Antimony (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	<0.003 (*)	<0.003		
2/3/2017			<0.003	
2/6/2017				<0.003
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	0.001 (J)	<0.003		<0.003
4/7/2017			<0.003	
4/10/2017				
4/11/2017				
4/12/2017				
6/12/2017				
6/13/2017	<0.003 (*)	<0.003 (*)	<0.003 (*)	<0.003
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		0.0008 (J)		
7/26/2017				
10/2/2017				
10/3/2017	<0.003	<0.003	<0.003	<0.003
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.003			
3/20/2018		<0.003	<0.003	0.001 (J)
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	<0.003			
9/18/2018		<0.003	<0.003	<0.003 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.003	<0.003		<0.003
3/22/2019				
3/23/2019				
5/6/2019			<0.003	

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			<0.005	<0.005	<0.005	<0.005			
8/22/2007									
8/23/2007	<0.005								<0.005
8/24/2007							<0.005	<0.005	
10/25/2007									<0.005
11/1/2007			<0.005	<0.005	<0.005	<0.005			
11/2/2007	<0.005						<0.005	<0.005	
11/17/2007							<0.005		
11/18/2007	<0.005			<0.005				<0.005	
11/19/2007					<0.005	<0.005			<0.005
11/20/2007			0.0079						
1/15/2008							<0.005	0.0077	
1/16/2008					0.0086				
1/23/2008									<0.005
1/30/2008			<0.005	<0.005					
1/31/2008	<0.005					<0.005			
3/5/2008				<0.005	<0.005	<0.005	0.0079		
3/6/2008			<0.005						
3/10/2008								<0.005	
3/11/2008	<0.005								<0.005
5/7/2008				<0.005			<0.005		
5/12/2008			<0.005			<0.005			<0.005
5/13/2008					<0.005			<0.005	
5/14/2008	<0.005								
12/2/2008							0.014	0.0061	
12/5/2008	<0.005								
12/11/2008									<0.005
12/12/2008		<0.005							
12/13/2008			0.015		0.012	0.0096			
12/14/2008				<0.005					
4/15/2009	<0.005								<0.005
4/16/2009					0.008		0.0069		
4/23/2009		<0.005							
4/28/2009						<0.005		<0.005	
4/29/2009			<0.005	<0.005					
10/6/2009		<0.005							
10/8/2009	<0.005								
10/9/2009									<0.005
10/13/2009									
10/20/2009			<0.005				0.0054	<0.005	
10/21/2009					0.0081	<0.005			
10/22/2009				<0.005					
4/20/2010							<0.005		
4/21/2010				<0.005					
4/26/2010			<0.005						
4/27/2010		<0.005						<0.005	
4/28/2010	<0.005					<0.005			
5/4/2010									<0.005
9/28/2010				<0.005					
9/29/2010			<0.005				<0.005		
9/30/2010		<0.005							
10/5/2010					0.0067	<0.005		<0.005	



# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	<0.005								
3/30/2015		<0.005							
3/31/2015	<0.005								<0.005
4/1/2015				<0.005	0.011	<0.005			
4/2/2015			<0.005						
4/3/2015							<0.005	<0.005	
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015								<0.005	
10/7/2015							<0.005		
10/8/2015									
10/9/2015									
10/10/2015			<0.005						
10/11/2015		<0.005		<0.005					
10/12/2015	<0.005								<0.005
10/14/2015					0.007				
10/15/2015						<0.005			
3/22/2016									
3/23/2016	<0.005								
3/28/2016		<0.005							<0.005
3/29/2016									
3/30/2016									
3/31/2016			<0.005						
4/4/2016				<0.005	0.00645	0.00124 (J)			
4/5/2016							<0.005	0.00105 (J)	
5/23/2016	<0.005	<0.005							
5/24/2016									
5/25/2016									<0.005
5/26/2016			<0.005	<0.005					
5/27/2016					0.00692				
5/31/2016						<0.005		0.00261 (J)	
6/1/2016							<0.005		
7/29/2016	<0.005								
8/1/2016		<0.005							<0.005
8/2/2016									
8/3/2016				<0.005	0.0068				
8/4/2016						<0.005			
8/5/2016			<0.005						
8/9/2016							<0.005		
9/22/2016	<0.005								
9/26/2016		<0.005							
9/27/2016									<0.005
9/28/2016			<0.005	<0.005					
9/29/2016						<0.005			
9/30/2016					0.0065				
11/10/2016	<0.005	<0.005							
11/11/2016									<0.005
11/18/2016									
11/21/2016									
11/22/2016			<0.005	<0.005	0.0066				
11/23/2016								<0.005	





# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	<0.005			
8/23/2007				<0.005
8/24/2007				
10/25/2007	<0.005			
11/1/2007				<0.005
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				<0.005
11/20/2007	<0.005			
1/15/2008				0.0086
1/16/2008				
1/23/2008	<0.005			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				<0.005
3/10/2008				
3/11/2008	<0.005			
5/7/2008				
5/12/2008				
5/13/2008				<0.005
5/14/2008	<0.005			
12/2/2008				
12/5/2008				
12/11/2008	<0.005			
12/12/2008				0.0065
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				<0.005
4/23/2009	<0.005			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	<0.005			
10/13/2009				<0.005
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				<0.005
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	0.014			
9/28/2010				
9/29/2010				<0.005
9/30/2010				
10/5/2010				

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	<0.005			
10/12/2010				
4/12/2011				
4/13/2011				<0.005
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	<0.005			
4/28/2011				
10/4/2011				
10/5/2011				<0.005
10/12/2011				
10/13/2011				
10/18/2011	<0.005			
10/19/2011				
4/3/2012				
4/4/2012				<0.005
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	<0.005			
10/2/2012				
10/3/2012				
10/8/2012	<0.005			<0.005
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				<0.005
4/9/2013				
4/10/2013	<0.005			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	<0.005			
10/9/2013				<0.005
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				<0.002
4/10/2014				
4/14/2014	<0.002			
4/21/2014				
4/23/2014				
9/30/2014				<0.005
10/1/2014				
10/2/2014				
10/3/2014	<0.005			

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	<0.005			
4/2/2015				<0.005
4/3/2015				
5/26/2015			<0.005	
6/18/2015			<0.005 (D)	
7/2/2015			<0.005	
10/6/2015				
10/7/2015				
10/8/2015			<0.005	
10/9/2015	<0.005			
10/10/2015				<0.005 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			<0.005	
3/23/2016				
3/28/2016				
3/29/2016	<0.005			
3/30/2016				0.0241 (J)
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	<0.005			
5/25/2016			<0.005	
5/26/2016				<0.005
5/27/2016				
5/31/2016		<0.005		
6/1/2016				
7/29/2016				
8/1/2016	<0.005			
8/2/2016		0.0031 (J)	<0.005	
8/3/2016				
8/4/2016				
8/5/2016				<0.005
8/9/2016				
9/22/2016				
9/26/2016	<0.005		<0.005	
9/27/2016		0.0028 (J)		
9/28/2016				<0.005
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	<0.005			
11/21/2016		0.0031 (J)	<0.005	<0.005
11/22/2016				
11/23/2016				

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	<0.005	0.0031 (J)		
2/3/2017			<0.005	
2/6/2017				<0.005
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	0.0006 (J)	0.003 (J)		<0.005
4/7/2017			<0.005	
4/10/2017				
4/11/2017				
4/12/2017				
6/12/2017				
6/13/2017	<0.005	0.0024 (J)	<0.005	<0.005
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		0.0029 (J)		
7/26/2017				
10/2/2017				
10/3/2017	<0.005	0.0018 (J)	<0.005	<0.005
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	0.00089 (J)			
3/20/2018		0.0024 (J)	0.0006 (J)	<0.005
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	<0.005			
9/18/2018		<0.005	<0.005	<0.005 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.005	0.00077 (J)		<0.005
3/22/2019				
3/23/2019				
5/6/2019			0.00063 (J)	

# Time Series

Constituent: Barium (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			0.021	0.034	0.023	0.065			
8/22/2007									
8/23/2007	0.015								0.017
8/24/2007							0.0089	0.017	
10/25/2007									0.023
11/1/2007			0.017	0.036	0.034	0.019			
11/2/2007	0.017						0.0091	0.011	
11/17/2007							0.021		
11/18/2007	0.019			0.036				0.012 (J)	
11/19/2007					0.043	0.015			0.024
11/20/2007			0.1						
1/15/2008							0.013	0.088	
1/16/2008					0.13				
1/23/2008									0.028
1/30/2008			0.035	0.031 (J)					
1/31/2008	0.011					0.022			
3/5/2008				0.018	0.07	0.012	0.11		
3/6/2008			0.042						
3/10/2008								0.0077	
3/11/2008	0.016								0.022
5/7/2008				0.015			0.01		
5/12/2008			0.0087			0.014			0.021
5/13/2008					0.039			0.0055	
5/14/2008	0.013								
12/2/2008							0.12	0.0097	
12/5/2008	0.021								
12/11/2008									0.022
12/12/2008		0.098							
12/13/2008			0.12		0.13	0.11			
12/14/2008				0.12					
4/15/2009	0.012								0.13
4/16/2009					0.13		0.13		
4/23/2009		0.013							
4/28/2009						0.12		0.0042	
4/29/2009			0.11	0.0079					
10/6/2009		0.011							
10/8/2009	0.011								
10/9/2009									0.026
10/13/2009									
10/20/2009			0.016				0.05	0.0056	
10/21/2009					0.033	0.023			
10/22/2009				0.007					
4/20/2010							0.019		
4/21/2010				0.0074					
4/26/2010			0.016						
4/27/2010		0.016			0.11			0.0039	
4/28/2010	0.0081					0.019			
5/4/2010									0.018
9/28/2010				0.0068					
9/29/2010			0.016				0.017		
9/30/2010		0.013							
10/5/2010					0.027	0.018		0.0047	



# Time Series

Constituent: Barium (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Date	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	0.0055								
3/30/2015		0.0043							
3/31/2015	0.0076								0.014
4/1/2015				0.013	0.025	0.027			
4/2/2015			0.017						
4/3/2015							0.13	0.0076	
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015								0.0088	
10/7/2015							0.047		
10/8/2015									
10/9/2015									
10/10/2015			0.014						
10/11/2015		0.0038		0.0079					
10/12/2015	0.0049								0.017
10/14/2015					0.027				
10/15/2015						0.033			
3/22/2016									
3/23/2016	0.00742 (J)								
3/28/2016		0.0133							0.0173
3/29/2016									
3/30/2016									
3/31/2016			0.0179						
4/4/2016				0.0119	0.0285	0.027			
4/5/2016							0.0279	0.00153 (J)	
5/23/2016	0.00532 (J)	0.0109							
5/24/2016									
5/25/2016									0.0175
5/26/2016			0.0186	0.0127					
5/27/2016					0.0257				
5/31/2016						0.0283		0.00589 (J)	
6/1/2016							0.0249		
7/29/2016	0.0053 (J)								
8/1/2016		0.0058 (J)							0.0145
8/2/2016									
8/3/2016				0.0121	0.0237				
8/4/2016						0.0358			
8/5/2016			0.0138						
8/9/2016							0.0268		
9/22/2016	0.0058 (J)								
9/26/2016		0.0092 (J)							
9/27/2016									0.0139
9/28/2016			0.0153	0.0112					
9/29/2016						0.0437			
9/30/2016					0.0279				
11/10/2016	0.0051 (J)	0.0083 (J)							
11/11/2016									0.0135
11/18/2016									
11/21/2016									
11/22/2016			0.0184 (J)	0.0155 (J)	0.0286 (J)				
11/23/2016								<0.05 (*)	





# Time Series

Constituent: Barium (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	0.023			
8/23/2007				0.043
8/24/2007				
10/25/2007	0.018			
11/1/2007				0.032
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				0.049 (J)
11/20/2007	0.1			
1/15/2008				0.12
1/16/2008				
1/23/2008	0.031			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				0.075
3/10/2008				
3/11/2008	0.016			
5/7/2008				
5/12/2008				
5/13/2008				0.055
5/14/2008	0.024			
12/2/2008				
12/5/2008				
12/11/2008	0.022			
12/12/2008				0.16
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				0.15
4/23/2009	0.012			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	0.11			
10/13/2009				0.05
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				0.039
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	0.096			
9/28/2010				
9/29/2010				0.033
9/30/2010				
10/5/2010				

# Time Series

Constituent: Barium (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	0.018			
10/12/2010				
4/12/2011				
4/13/2011				0.033
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	0.01			
4/28/2011				
10/4/2011				
10/5/2011				0.035
10/12/2011				
10/13/2011				
10/18/2011	0.012			
10/19/2011				
4/3/2012				
4/4/2012				0.0422
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	0.0119			
10/2/2012				
10/3/2012				
10/8/2012	0.01			0.029
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				0.042
4/9/2013				
4/10/2013	0.013			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	0.014			
10/9/2013				0.04
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				0.038
4/10/2014				
4/14/2014	0.01			
4/21/2014				
4/23/2014				
9/30/2014				0.038
10/1/2014				
10/2/2014				
10/3/2014	0.014			

# Time Series

Constituent: Barium (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	0.013			
4/2/2015				0.039
4/3/2015				
5/26/2015			0.06	
6/18/2015			0.047 (D)	
7/2/2015			0.04	
10/6/2015				
10/7/2015				
10/8/2015			0.032	
10/9/2015	0.008			
10/10/2015				0.038 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			0.0263	
3/23/2016				
3/28/2016				
3/29/2016	0.0239 (J)			
3/30/2016				0.0412
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	0.00902 (J)			
5/25/2016			0.0178	
5/26/2016				0.0357
5/27/2016				
5/31/2016		0.0178		
6/1/2016				
7/29/2016				
8/1/2016	0.0091 (J)			
8/2/2016		0.0394	0.0265	
8/3/2016				
8/4/2016				
8/5/2016				0.03
8/9/2016				
9/22/2016				
9/26/2016	0.0124		0.0267	
9/27/2016		0.032		
9/28/2016				0.0308
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	0.0117			
11/21/2016		0.0316 (J)	0.0309 (J)	0.0356 (J)
11/22/2016				
11/23/2016				

# Time Series

Constituent: Barium (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	0.0086 (J)	0.0264		
2/3/2017			0.0289	
2/6/2017				0.0391
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	0.0083 (J)	0.0245		0.0402
4/7/2017			0.029	
4/10/2017				
4/11/2017				
4/12/2017				
6/12/2017				
6/13/2017	<0.01 (*)	0.0247	0.027	0.0394
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		0.0245		
7/26/2017				
10/2/2017				
10/3/2017	0.0084 (J)	0.0218	0.0292	0.0381
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	0.0079 (J)			
3/20/2018		0.024	0.029	0.039
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	0.0065 (J)			
9/18/2018		0.027	0.025	0.037
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	0.0074 (J)	0.03		0.042
3/22/2019				
3/23/2019				
5/6/2019			0.017	





# Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
9/30/2014				0.00013 (J)
10/1/2014				
10/2/2014				
10/3/2014	0.00024 (J)			
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	0.00021 (J)			
4/2/2015				0.00028 (J)
4/3/2015				
5/26/2015			<0.0013	
6/18/2015			0.0013 (D)	
7/2/2015			<0.0013	
10/6/2015				
10/7/2015				
10/8/2015			<0.0013	
10/9/2015	<0.0013			
10/10/2015				0.000245 (JD)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			<0.003	
3/23/2016				
3/28/2016				
3/29/2016	<0.003			
3/30/2016				<0.003
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	<0.003			
5/25/2016			<0.003	
5/26/2016				<0.003
5/27/2016				
5/31/2016		<0.003		
6/1/2016				
7/29/2016				
8/1/2016	<0.003			
8/2/2016		<0.003	<0.003	
8/3/2016				
8/4/2016				
8/5/2016				<0.003
8/9/2016				
9/22/2016				
9/26/2016	<0.003		<0.003	
9/27/2016		<0.003		
9/28/2016				<0.003
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				

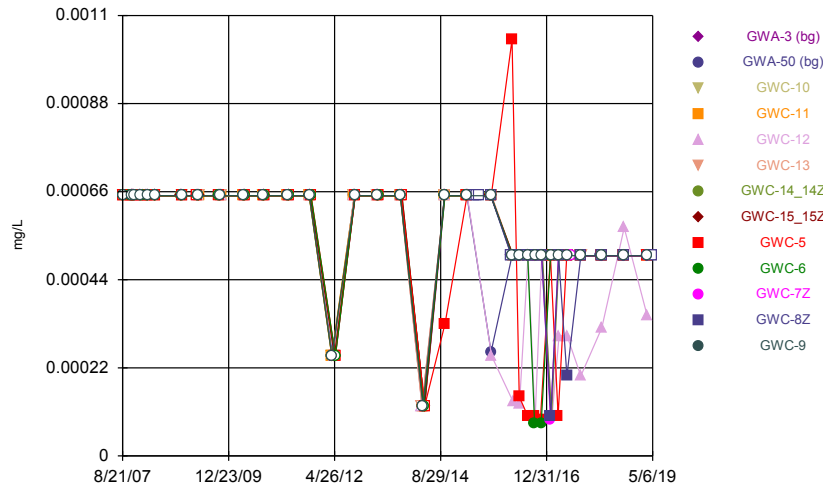


# Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/20/2019 2:54 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

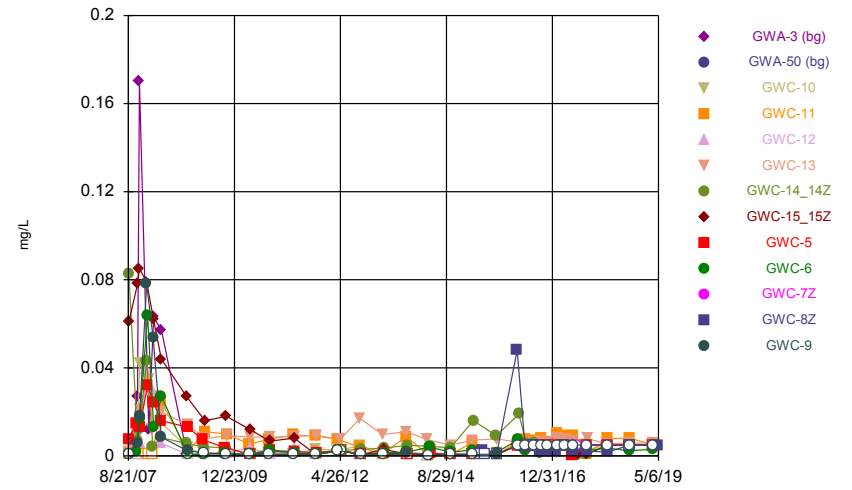
	GWC-6	GWC-7Z	GWC-8Z	GWC-9
11/18/2016	<0.003			
11/21/2016		<0.003	<0.003	<0.003
11/22/2016				
11/23/2016				
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	<0.003	<0.003		
2/3/2017			<0.003	
2/6/2017				0.0002 (J)
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	<0.003	<0.003		0.0002 (J)
4/7/2017			<0.003	
4/10/2017				
4/11/2017				
4/12/2017				
6/12/2017				
6/13/2017	<0.003	<0.003	<0.003	0.0002 (J)
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		<0.003		
7/26/2017				
10/2/2017				
10/3/2017	<0.003	<0.003	<0.003	0.0001 (J)
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	6.6E-05 (J)			
3/20/2018		<0.003	<0.003	0.00022 (J)
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	<0.003			
9/18/2018		<0.003	<0.003	0.00014 (JD)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.003	<0.003		0.00015 (J)
3/22/2019				
3/23/2019				
5/6/2019			0.0001 (J)	

Time Series



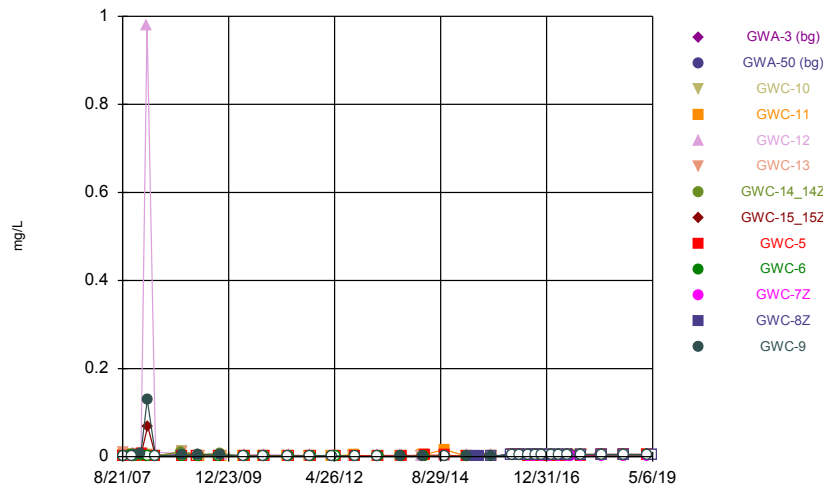
Constituent: Cadmium Analysis Run 5/20/2019 2:49 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



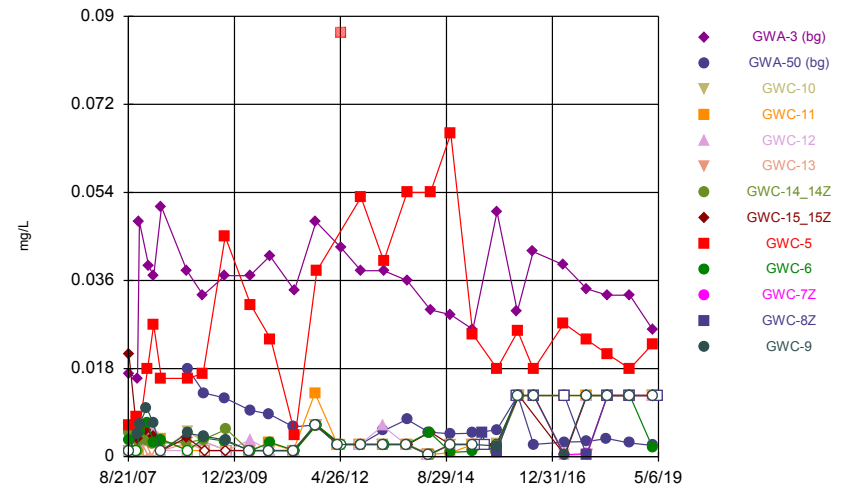
Constituent: Chromium Analysis Run 5/20/2019 2:49 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Cobalt Analysis Run 5/20/2019 2:49 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Copper Analysis Run 5/20/2019 2:49 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			<0.0013	<0.0013	<0.0013	<0.0013			
8/22/2007									
8/23/2007	<0.0013								<0.0013
8/24/2007							<0.0013	<0.0013	
10/25/2007									<0.0013
11/1/2007			<0.0013	<0.0013	<0.0013	<0.0013			
11/2/2007	<0.0013						<0.0013	<0.0013	
11/17/2007							<0.0013		
11/18/2007	<0.0013			<0.0013				<0.0013	
11/19/2007					<0.0013	<0.0013			<0.0013
11/20/2007			<0.0013						
1/15/2008							<0.0013	<0.0013	
1/16/2008					<0.0013				
1/23/2008									<0.0013
1/30/2008			<0.0013	<0.0013					
1/31/2008	<0.0013					<0.0013			
3/5/2008				<0.0013	<0.0013	<0.0013	<0.0013		
3/6/2008			<0.0013						
3/10/2008								<0.0013	
3/11/2008	<0.0013								<0.0013
5/7/2008				<0.0013			<0.0013		
5/12/2008			<0.0013			<0.0013			<0.0013
5/13/2008					<0.0013			<0.0013	
5/14/2008	<0.0013								
12/2/2008							<0.0013	<0.0013	
12/5/2008	<0.0013								
12/11/2008									<0.0013
12/12/2008		<0.0013							
12/13/2008			<0.0013		<0.0013	<0.0013			
12/14/2008				<0.0013					
4/15/2009	<0.0013								<0.0013
4/16/2009					<0.0013		<0.0013		
4/23/2009		<0.0013							
4/28/2009						<0.0013		<0.0013	
4/29/2009			<0.0013	<0.0013					
10/6/2009		<0.0013							
10/8/2009	<0.0013								
10/9/2009									<0.0013
10/13/2009									
10/20/2009			<0.0013				<0.0013	<0.0013	
10/21/2009					<0.0013	<0.0013			
10/22/2009				<0.0013					
4/20/2010							<0.0013		
4/21/2010				<0.0013					
4/26/2010			<0.0013						
4/27/2010		<0.0013			<0.0013			<0.0013	
4/28/2010	<0.0013					<0.0013			
5/4/2010									<0.0013
9/28/2010				<0.0013					
9/29/2010			<0.0013				<0.0013		
9/30/2010		<0.0013							
10/5/2010					<0.0013	<0.0013		<0.0013	



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	<0.0013								
3/30/2015		<0.0013							
3/31/2015	<0.0013								<0.0013
4/1/2015				<0.0013	<0.0013	<0.0013			
4/2/2015			<0.0013						
4/3/2015							<0.0013	<0.0013	
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015								<0.0013	
10/7/2015							<0.0013		
10/8/2015									
10/9/2015									
10/10/2015			<0.0013						
10/11/2015		0.00026 (J)		<0.0013					
10/12/2015	<0.0013								<0.0013
10/14/2015					0.00025 (J)				
10/15/2015						<0.0013			
3/22/2016									
3/23/2016	<0.001								
3/28/2016		<0.001							0.00104 (J)
3/29/2016									
3/30/2016									
3/31/2016			<0.001						
4/4/2016				<0.001	0.000136 (J)	<0.001			
4/5/2016							<0.001	<0.001	
5/23/2016	<0.001	<0.001							
5/24/2016									
5/25/2016									0.000148 (J)
5/26/2016			<0.001	<0.001					
5/27/2016					0.000131 (J)				
5/31/2016						<0.001		<0.001	
6/1/2016							<0.001		
7/29/2016	<0.001								
8/1/2016		<0.001							0.0001 (J)
8/2/2016									
8/3/2016				<0.001	<0.001				
8/4/2016						<0.001			
8/5/2016			<0.001						
8/9/2016							<0.001		
9/22/2016	<0.001								
9/26/2016		<0.001							
9/27/2016									0.0001 (J)
9/28/2016			<0.001	<0.001					
9/29/2016						<0.001			
9/30/2016					9E-05 (J)				
11/10/2016	<0.001	<0.001							
11/11/2016									9E-05 (J)
11/18/2016									
11/21/2016									
11/22/2016			<0.001	<0.001	<0.001				
11/23/2016							<0.001		



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	<0.0013			
8/23/2007				<0.0013
8/24/2007				
10/25/2007	<0.0013			
11/1/2007				<0.0013
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				<0.0013
11/20/2007	<0.0013			
1/15/2008				<0.0013
1/16/2008				
1/23/2008	<0.0013			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				<0.0013
3/10/2008				
3/11/2008	<0.0013			
5/7/2008				
5/12/2008				
5/13/2008				<0.0013
5/14/2008	<0.0013			
12/2/2008				
12/5/2008				
12/11/2008	<0.0013			
12/12/2008				<0.0013
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				<0.0013
4/23/2009	<0.0013			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	<0.0013			
10/13/2009				<0.0013
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				<0.0013
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	<0.0013			
9/28/2010				
9/29/2010				<0.0013
9/30/2010				
10/5/2010				

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	<0.0013			
10/12/2010				
4/12/2011				
4/13/2011				<0.0013
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	<0.0013			
4/28/2011				
10/4/2011				
10/5/2011				<0.0013
10/12/2011				
10/13/2011				
10/18/2011	<0.0013			
10/19/2011				
4/3/2012				
4/4/2012				<0.0005
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	<0.0005			
10/2/2012				
10/3/2012				
10/8/2012	<0.0013			<0.0013
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				<0.0013
4/9/2013				
4/10/2013	<0.0013			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	<0.0013			
10/9/2013				<0.0013
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				<0.00025
4/10/2014				
4/14/2014	<0.00025			
4/21/2014				
4/23/2014				
9/30/2014				<0.0013
10/1/2014				
10/2/2014				
10/3/2014	<0.0013			



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	<0.0013			
4/2/2015				<0.0013
4/3/2015				
5/26/2015			<0.0013	
6/18/2015			<0.0013 (D)	
7/2/2015			<0.0013	
10/6/2015				
10/7/2015				
10/8/2015			<0.0013	
10/9/2015	<0.0013			
10/10/2015				<0.0013 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			<0.001	
3/23/2016				
3/28/2016				
3/29/2016	<0.001			
3/30/2016				<0.001
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	<0.001			
5/25/2016			<0.001	
5/26/2016				<0.001
5/27/2016				
5/31/2016		<0.001		
6/1/2016				
7/29/2016				
8/1/2016	<0.001			
8/2/2016		<0.001	<0.001	
8/3/2016				
8/4/2016				
8/5/2016				<0.001
8/9/2016				
9/22/2016				
9/26/2016	8E-05 (J)		<0.001	
9/27/2016		<0.001		
9/28/2016				<0.001
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	8E-05 (J)			
11/21/2016		<0.001	<0.001	<0.001
11/22/2016				
11/23/2016				

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	<0.001	9E-05 (J)		
2/3/2017			0.0001 (J)	
2/6/2017				<0.001
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	<0.001	<0.001		<0.001
4/7/2017			<0.001	
4/10/2017				
4/11/2017				
4/12/2017				
6/12/2017				
6/13/2017	<0.001	<0.001	0.0002 (J)	<0.001
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		<0.001		
7/26/2017				
10/2/2017				
10/3/2017	<0.001	<0.001	<0.001	<0.001
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.001			
3/20/2018		<0.001	<0.001	<0.001
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	<0.001			
9/18/2018		<0.001	<0.001	<0.001 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.001	<0.001		<0.001
3/22/2019				
3/23/2019				
5/6/2019			<0.001	

# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			0.0015	<0.0013	0.0013	0.0019			
8/22/2007									
8/23/2007	<0.0013								0.0076
8/24/2007							0.083	0.061	
10/25/2007									0.015
11/1/2007			0.011	<0.0013	<0.0013	0.01			
11/2/2007	0.027						0.0071	0.078	
11/17/2007							0.012		
11/18/2007	0.17			<0.0013				0.085	
11/19/2007					0.0056	0.021			0.013
11/20/2007			0.042						
1/15/2008							0.043	0.079	
1/16/2008					0.039				
1/23/2008									0.032
1/30/2008			0.034	<0.0013					
1/31/2008	0.012					0.035			
3/5/2008				<0.0013	0.03	0.012	0.0044		
3/6/2008			0.027						
3/10/2008								0.062	
3/11/2008	0.063								0.024
5/7/2008				0.025			0.0084		
5/12/2008			0.015			0.02			0.016
5/13/2008					0.0057			0.044	
5/14/2008	0.057								
12/2/2008							0.0056	0.027	
12/5/2008	<0.0013								
12/11/2008									0.013
12/12/2008		<0.0013							
12/13/2008			0.0036		<0.0013	0.014			
12/14/2008				0.0021					
4/15/2009	<0.0013								0.0073
4/16/2009					<0.003		0.0042		
4/23/2009		<0.0013							
4/28/2009						0.0079		0.016	
4/29/2009			<0.0013	0.011					
10/6/2009		<0.0013							
10/8/2009	<0.0013								
10/9/2009									0.0037
10/13/2009									
10/20/2009			<0.0013				0.0037	0.018	
10/21/2009					0.0015	0.0092			
10/22/2009				0.01					
4/20/2010							<0.0013		
4/21/2010				0.0053					
4/26/2010			<0.0013						
4/27/2010		<0.0013			0.0036			0.012	
4/28/2010	<0.0013					0.0086			
5/4/2010									<0.0013
9/28/2010				0.0076					
9/29/2010			0.0034				0.0028		
9/30/2010		0.0014							
10/5/2010					<0.0013	0.0085		0.0067	



# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	<0.0013								
3/30/2015		<0.0013							
3/31/2015	<0.0013								<0.0013
4/1/2015				0.0062	<0.0013	0.0072			
4/2/2015			<0.0013						
4/3/2015							0.016	<0.0013	
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015								<0.0013	
10/7/2015							0.0092		
10/8/2015									
10/9/2015									
10/10/2015			0.0013						
10/11/2015		<0.0013		<0.0013					
10/12/2015	<0.0013								<0.0013
10/14/2015					<0.0013				
10/15/2015						0.0077			
3/22/2016									
3/23/2016	<0.01								
3/28/2016		<0.01							<0.01
3/29/2016									
3/30/2016									
3/31/2016			<0.01						
4/4/2016				0.00656 (J)	<0.01	0.00615 (J)			
4/5/2016							0.019 (J)	<0.01	
5/23/2016	<0.01	<0.01							
5/24/2016									
5/25/2016									<0.01
5/26/2016			<0.01	0.00752 (J)					
5/27/2016					<0.01				
5/31/2016						0.00588 (J)		<0.01	
6/1/2016							0.006 (J)		
7/29/2016	<0.01								
8/1/2016		<0.01 (*)							<0.01
8/2/2016									
8/3/2016				0.0067 (J)	<0.01				
8/4/2016						0.0056 (J)			
8/5/2016			<0.01 (*)						
8/9/2016							0.0061 (JD)		
9/22/2016	0.0013 (J)								
9/26/2016		<0.01							
9/27/2016									<0.01
9/28/2016			<0.01	0.0082 (J)					
9/29/2016						0.0065 (J)			
9/30/2016					<0.01				
11/10/2016	<0.01	<0.01							
11/11/2016									<0.01 (*)
11/18/2016									
11/21/2016									
11/22/2016			0.0024 (J)	0.0045 (J)	<0.01				
11/23/2016								<0.01	



# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	<0.0013			
8/23/2007				<0.0013
8/24/2007				
10/25/2007	0.002			
11/1/2007				0.0061
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				0.018 (J)
11/20/2007	0.017			
1/15/2008				0.078
1/16/2008				
1/23/2008	0.064			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				0.054
3/10/2008				
3/11/2008	0.013			
5/7/2008				
5/12/2008				
5/13/2008				0.0085
5/14/2008	0.027			
12/2/2008				
12/5/2008				
12/11/2008	<0.0013			
12/12/2008				0.0023
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				<0.003
4/23/2009	<0.0013			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	0.0014			
10/13/2009				<0.0013
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				<0.0013
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	<0.0013			
9/28/2010				
9/29/2010				<0.0013
9/30/2010				
10/5/2010				

# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	0.0027			
10/12/2010				
4/12/2011				
4/13/2011				<0.0013
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	0.0015			
4/28/2011				
10/4/2011				
10/5/2011				<0.0013
10/12/2011				
10/13/2011				
10/18/2011	<0.0013			
10/19/2011				
4/3/2012				
4/4/2012				<0.005
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	<0.005			
10/2/2012				
10/3/2012				
10/8/2012	<0.0013			<0.0013
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				<0.0013
4/9/2013				
4/10/2013	0.0013			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	0.0017			
10/9/2013				0.0013
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				<0.001
4/10/2014				
4/14/2014	0.004			
4/21/2014				
4/23/2014				
9/30/2014				<0.0013
10/1/2014				
10/2/2014				
10/3/2014	0.0017			



# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	0.0027			
4/2/2015				<0.0013
4/3/2015				
5/26/2015			<0.0013	
6/18/2015			0.0024 (D)	
7/2/2015			<0.0013	
10/6/2015				
10/7/2015				
10/8/2015			<0.0013	
10/9/2015	0.0016			
10/10/2015				0.000825 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			0.048 (J)	
3/23/2016				
3/28/2016				
3/29/2016	0.00738 (J)			
3/30/2016				<0.01
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	0.00263 (J)			
5/25/2016			0.00441 (J)	
5/26/2016				<0.01
5/27/2016				
5/31/2016		<0.01		
6/1/2016				
7/29/2016				
8/1/2016	<0.01 (*)			
8/2/2016		<0.01	<0.01 (*)	
8/3/2016				
8/4/2016				
8/5/2016				<0.01 (*)
8/9/2016				
9/22/2016				
9/26/2016	0.0014 (J)		0.002 (J)	
9/27/2016		<0.01		
9/28/2016				<0.01
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	<0.01 (*)			
11/21/2016		<0.01	0.0017 (J)	<0.01
11/22/2016				
11/23/2016				

# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	0.0024 (J)	<0.01		
2/3/2017			0.0018 (J)	
2/6/2017				<0.01
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	<0.01 (*)	<0.01 (*)		<0.01
4/7/2017			<0.01 (*)	
4/10/2017				
4/11/2017				
4/12/2017				
6/12/2017				
6/13/2017	0.0031 (J)	<0.01	0.0019 (J)	<0.01
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		<0.01		
7/26/2017				
10/2/2017				
10/3/2017	0.0025 (J)	<0.01	0.0022 (J)	<0.01
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	0.0035 (J)			
3/20/2018		<0.01	0.0017 (J)	<0.01
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	0.0024 (J)			
9/18/2018		<0.01	<0.01	<0.01 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	0.0029 (J)	<0.01		<0.01
3/22/2019				
3/23/2019				
5/6/2019			0.0048 (J)	

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			<0.0025	0.0031	<0.0025	0.01			
8/22/2007									
8/23/2007	0.0033								<0.0025
8/24/2007							<0.0025	<0.0025	
10/25/2007									<0.0025
11/1/2007			<0.0025	0.0034	0.0041	<0.0025			
11/2/2007	0.0046						<0.0025	<0.0025	
11/17/2007							0.0039		
11/18/2007	0.0057			0.0045				<0.0025	
11/19/2007					0.0055	<0.0025			<0.0025
11/20/2007			0.0046						
1/15/2008							<0.0025	0.0029	
1/16/2008					0.008				
1/23/2008									0.0073
1/30/2008			0.0079	0.0027					
1/31/2008	0.0055					0.0037			
3/5/2008				<0.0025	0.98	<0.0025	0.005		
3/6/2008			0.0037						
3/10/2008								0.069	
3/11/2008	0.0033								0.0025
5/7/2008				<0.0025			<0.0025		
5/12/2008			<0.0025			<0.0025			<0.0025
5/13/2008					0.01			<0.0025	
5/14/2008	0.0044								
12/2/2008							0.011	0.0027	
12/5/2008	0.0035								
12/11/2008									<0.0025
12/12/2008		<0.0025							
12/13/2008			0.013		0.0073	0.011			
12/14/2008				<0.0025					
4/15/2009	<0.0025								<0.0025
4/16/2009					0.0033		0.005		
4/23/2009		<0.0025							
4/28/2009						<0.0025		<0.0025	
4/29/2009			<0.0025	<0.0025					
10/6/2009		<0.0025							
10/8/2009	<0.0025								
10/9/2009									<0.0025
10/13/2009									
10/20/2009			<0.0025				0.0074	<0.0025	
10/21/2009					0.0039	<0.0025			
10/22/2009				<0.0025					
4/20/2010							<0.0025		
4/21/2010				<0.0025					
4/26/2010			<0.0025						
4/27/2010		<0.0025			0.0044			<0.0025	
4/28/2010	<0.0025					<0.0025			
5/4/2010									<0.0025
9/28/2010				<0.0025					
9/29/2010			<0.0025				<0.0025		
9/30/2010		<0.0025							
10/5/2010					0.005	<0.0025		<0.0025	



# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Date	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	0.00081 (J)								
3/30/2015		<0.0013							
3/31/2015	0.0021								0.00079 (J)
4/1/2015				<0.0013	0.0028	<0.0013			
4/2/2015			<0.0013						
4/3/2015							<0.0013	<0.0013	
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015								<0.0013	
10/7/2015							<0.0013		
10/8/2015									
10/9/2015									
10/10/2015			<0.0013						
10/11/2015		<0.0013		<0.0013					
10/12/2015	0.00078 (J)								0.00063 (J)
10/14/2015					0.003				
10/15/2015						0.00051 (J)			
3/22/2016									
3/23/2016	<0.01								
3/28/2016		<0.01							<0.01
3/29/2016									
3/30/2016									
3/31/2016			<0.01						
4/4/2016				<0.01	0.00351 (J)	<0.01			
4/5/2016							<0.01	<0.01	
5/23/2016	<0.01	<0.01							
5/24/2016									
5/25/2016									<0.01
5/26/2016			<0.01	<0.01					
5/27/2016					0.00332 (J)				
5/31/2016						<0.01		<0.01	
6/1/2016							<0.01		
7/29/2016	0.0007 (J)								
8/1/2016		<0.01							0.0005 (J)
8/2/2016									
8/3/2016				<0.01	0.003 (J)				
8/4/2016						<0.01			
8/5/2016			<0.01						
8/9/2016							0.0003 (J)		
9/22/2016	0.0007 (J)								
9/26/2016		<0.01							
9/27/2016									<0.01
9/28/2016			<0.01	<0.01					
9/29/2016						<0.01			
9/30/2016					0.0035 (J)				
11/10/2016	0.0007 (J)	<0.01							
11/11/2016									0.0006 (J)
11/18/2016									
11/21/2016									
11/22/2016			0.0006 (J)	<0.01	0.0027 (J)				
11/23/2016								<0.01	



# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	<0.0025			
8/23/2007				<0.0025
8/24/2007				
10/25/2007	0.0038			
11/1/2007				<0.0025
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				0.0034
11/20/2007	<0.0025			
1/15/2008				0.0067
1/16/2008				
1/23/2008	0.0047			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				0.13
3/10/2008				
3/11/2008	<0.0025			
5/7/2008				
5/12/2008				
5/13/2008				<0.0025
5/14/2008	<0.0025			
12/2/2008				
12/5/2008				
12/11/2008	<0.0025			
12/12/2008				0.0042
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				0.0047
4/23/2009	<0.0025			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	<0.0025			
10/13/2009				0.0037
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				<0.0025
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	<0.0025			
9/28/2010				
9/29/2010				<0.0025
9/30/2010				
10/5/2010				

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	<0.0025			
10/12/2010				
4/12/2011				
4/13/2011				<0.0025
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	<0.0025			
4/28/2011				
10/4/2011				
10/5/2011				<0.0025
10/12/2011				
10/13/2011				
10/18/2011	<0.0025			
10/19/2011				
4/3/2012				
4/4/2012				<0.005
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	<0.005			
10/2/2012				
10/3/2012				
10/8/2012	<0.0013			<0.0013
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				<0.0013
4/9/2013				
4/10/2013	<0.0013			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	<0.0013			
10/9/2013				0.0013
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				0.0013 (J)
4/10/2014				
4/14/2014	0.0013 (J)			
4/21/2014				
4/23/2014				
9/30/2014				<0.0013
10/1/2014				
10/2/2014				
10/3/2014	0.00071 (J)			



# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	<0.0013			
4/2/2015				0.00064 (J)
4/3/2015				
5/26/2015			0.0018	
6/18/2015			0.0018 (D)	
7/2/2015			0.0013	
10/6/2015				
10/7/2015				
10/8/2015			<0.0013	
10/9/2015	<0.0013			
10/10/2015				0.001175 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			<0.01	
3/23/2016				
3/28/2016				
3/29/2016	<0.01			
3/30/2016				<0.01
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	<0.01			
5/25/2016			<0.01	
5/26/2016				<0.01
5/27/2016				
5/31/2016		<0.01		
6/1/2016				
7/29/2016				
8/1/2016	<0.01			
8/2/2016		0.0018 (J)	<0.01	
8/3/2016				
8/4/2016				
8/5/2016				<0.01
8/9/2016				
9/22/2016				
9/26/2016	<0.01		<0.01	
9/27/2016		0.0011 (J)		
9/28/2016				<0.01
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	<0.01			
11/21/2016		0.0008 (J)	<0.01	<0.01
11/22/2016				
11/23/2016				

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	<0.01	0.0008 (J)		
2/3/2017			<0.01	
2/6/2017				<0.01
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	<0.01	0.0008 (J)		<0.01
4/7/2017			<0.01	
4/10/2017				
4/11/2017				
4/12/2017				
6/12/2017				
6/13/2017	<0.01	0.0007 (J)	<0.01	<0.01
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		0.0005 (J)		
7/26/2017				
10/2/2017				
10/3/2017	<0.01	0.0007 (J)	<0.01	<0.01
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.01			
3/20/2018		0.00076 (J)	<0.01	<0.01
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	<0.01			
9/18/2018		0.00055 (J)	<0.01	<0.01 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.01	0.00059 (J)		<0.01
3/22/2019				
3/23/2019				
5/6/2019			<0.01	

# Time Series

Constituent: Copper (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			0.0058	<0.0025	<0.0025	<0.0025			
8/22/2007									
8/23/2007	0.017								0.0064
8/24/2007							0.0048 (J)	0.021	
10/25/2007									0.0081
11/1/2007			<0.0025	<0.0025	<0.0025	<0.0025			
11/2/2007	0.016						<0.0025	0.0037	
11/17/2007							0.0031		
11/18/2007	0.048			<0.0025				0.007 (J)	
11/19/2007					0.0029	0.0035			0.0059
11/20/2007			0.006						
1/15/2008							0.0033	0.0055	
1/16/2008					0.0067				
1/23/2008									0.018
1/30/2008			0.0037	<0.0025					
1/31/2008	0.039					<0.0025			
3/5/2008				<0.0025	0.0058	<0.0025	0.0026		
3/6/2008			0.004						
3/10/2008								0.0042	
3/11/2008	0.037								0.027
5/7/2008				0.0037			0.0028		
5/12/2008			<0.0025			<0.0025			0.016
5/13/2008					<0.0025			<0.0025	
5/14/2008	0.051								
12/2/2008							0.0029	0.0039	
12/5/2008	0.038								
12/11/2008									0.016
12/12/2008		0.018							
12/13/2008			0.0051		<0.0025	0.0028			
12/14/2008				<0.0025					
4/15/2009	0.033								0.017
4/16/2009					0.0032		0.0035		
4/23/2009		0.013							
4/28/2009						<0.0025		<0.0025	
4/29/2009			0.003	<0.0025					
10/6/2009		0.012							
10/8/2009	0.037								
10/9/2009									0.045
10/13/2009									
10/20/2009			<0.0025				0.0056	<0.0025	
10/21/2009					<0.0025	<0.0025			
10/22/2009				<0.0025					
4/20/2010							<0.0025		
4/21/2010				<0.0025					
4/26/2010			<0.0025						
4/27/2010		0.0095			0.0034			<0.0025	
4/28/2010	0.037					<0.0025			
5/4/2010									0.031
9/28/2010				0.0028					
9/29/2010			<0.0025				<0.0025		
9/30/2010		0.0087							
10/5/2010					<0.0025	<0.0025		<0.0025	



# Time Series

Constituent: Copper (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	0.029								
3/30/2015		0.0048 (J)							
3/31/2015	0.026								0.025
4/1/2015				<0.005	<0.005	<0.005			
4/2/2015			<0.005						
4/3/2015							<0.005	<0.005	
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015								<0.005	
10/7/2015							0.0012 (J)		
10/8/2015									
10/9/2015									
10/10/2015			0.0027 (J)						
10/11/2015		0.0055		<0.005					
10/12/2015	0.05								0.018
10/14/2015					0.0017 (J)				
10/15/2015						<0.005			
3/22/2016									
3/23/2016	0.0297								
3/28/2016		<0.025							0.0256
3/29/2016									
3/30/2016									
3/31/2016			<0.025						
4/4/2016				<0.025	<0.025	<0.025			
4/5/2016							<0.025	<0.025	
7/29/2016	0.0419								
8/1/2016		0.0025 (J)							0.0178 (J)
8/2/2016									
8/3/2016				<0.025	<0.025				
8/4/2016						<0.025			
8/5/2016			<0.025						
8/9/2016							<0.025		
3/30/2017	0.0392								
4/3/2017									0.0272
4/6/2017									
4/7/2017		0.003 (J)							
4/10/2017			<0.025	<0.025					
4/11/2017					0.0003 (J)		<0.025	0.0003 (J)	
4/12/2017						0.0003 (J)			
10/2/2017		0.0031 (J)							
10/3/2017									0.0239 (J)
10/4/2017	0.0343		<0.025	<0.025	<0.025				
10/5/2017							<0.025		
10/6/2017								<0.025	
10/9/2017						0.0005 (J)			
3/16/2018		0.0037 (J)							
3/19/2018	0.033								0.021 (J)
3/20/2018			<0.025						
3/21/2018				<0.025		<0.025			
3/22/2018					<0.025		<0.025		
3/23/2018								<0.025	



# Time Series

Constituent: Copper (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	0.0033			
8/23/2007				<0.0025
8/24/2007				
10/25/2007	<0.0025			
11/1/2007				0.0047
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				0.0067 (J)
11/20/2007	0.0052			
1/15/2008				0.01
1/16/2008				
1/23/2008	0.0069			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				0.007
3/10/2008				
3/11/2008	0.0029			
5/7/2008				
5/12/2008				
5/13/2008				<0.0025
5/14/2008	0.0035			
12/2/2008				
12/5/2008				
12/11/2008	<0.0025			
12/12/2008				0.0048
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				0.0042
4/23/2009	0.0038			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	0.0032			
10/13/2009				0.0034
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				<0.0025
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	<0.0025			
9/28/2010				
9/29/2010				<0.0025
9/30/2010				
10/5/2010				

# Time Series

Constituent: Copper (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	0.0029			
10/12/2010				
4/12/2011				
4/13/2011				<0.0025
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	<0.0025			
4/28/2011				
10/4/2011				
10/5/2011				<0.013
10/12/2011				
10/13/2011				
10/18/2011	<0.013			
10/19/2011				
4/3/2012				
4/4/2012				<0.005
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	<0.005			
10/2/2012				
10/3/2012				
10/8/2012	<0.005			<0.005
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				<0.005
4/9/2013				
4/10/2013	<0.005			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	<0.005			
10/9/2013				<0.005
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				<0.000825
4/10/2014				
4/14/2014	0.005 (J)			
4/21/2014				
4/23/2014				
9/30/2014				<0.005
10/1/2014				
10/2/2014				
10/3/2014	0.00091 (J)			



# Time Series

Constituent: Copper (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

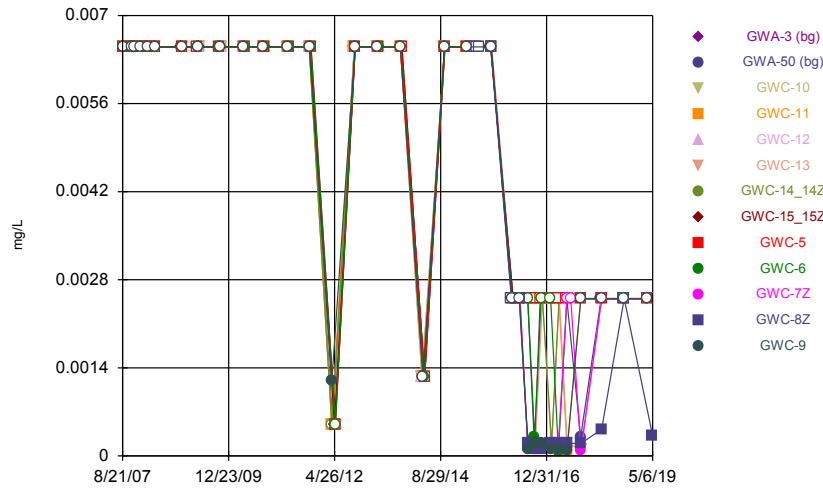
	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	0.0011 (J)			
4/2/2015				<0.005
4/3/2015				
5/26/2015			<0.005	
6/18/2015			0.005 (D)	
7/2/2015			<0.005	
10/6/2015				
10/7/2015				
10/8/2015			0.00091 (J)	
10/9/2015	<0.005			
10/10/2015				0.0022 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			<0.025	
3/23/2016				
3/28/2016				
3/29/2016	<0.025			
3/30/2016				<0.025
3/31/2016				
4/4/2016				
4/5/2016				
7/29/2016				
8/1/2016	<0.025			
8/2/2016		<0.025	<0.025	
8/3/2016				
8/4/2016				
8/5/2016				<0.025
8/9/2016				
3/30/2017				
4/3/2017				
4/6/2017	<0.025	0.0004 (J)		0.0003 (J)
4/7/2017			<0.025	
4/10/2017				
4/11/2017				
4/12/2017				
10/2/2017				
10/3/2017	<0.025	0.0006 (J)	0.0003 (J)	<0.025
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.025			
3/20/2018		<0.025	<0.025	<0.025
3/21/2018				
3/22/2018				
3/23/2018				

# Time Series

Constituent: Copper (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

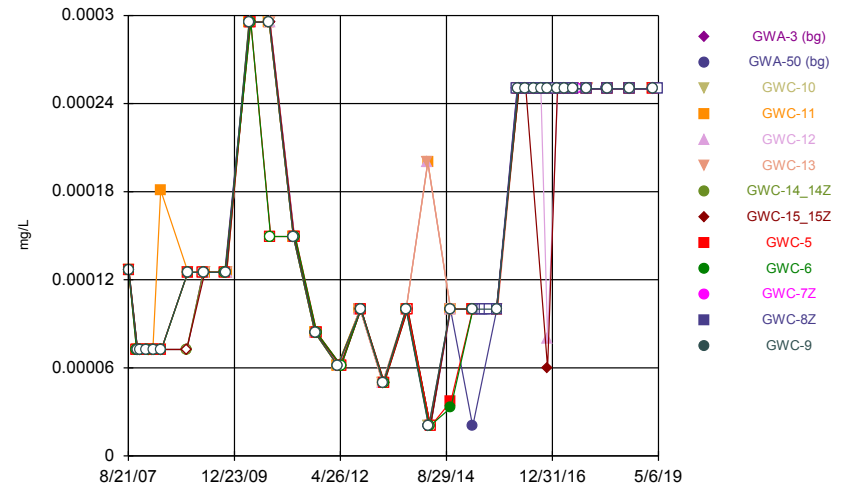
	GWC-6	GWC-7Z	GWC-8Z	GWC-9
9/17/2018	<0.025			
9/18/2018		<0.025	<0.025	<0.025 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	0.0018 (J)	<0.025		<0.025
3/22/2019				
3/23/2019				
5/6/2019			<0.025	

Time Series



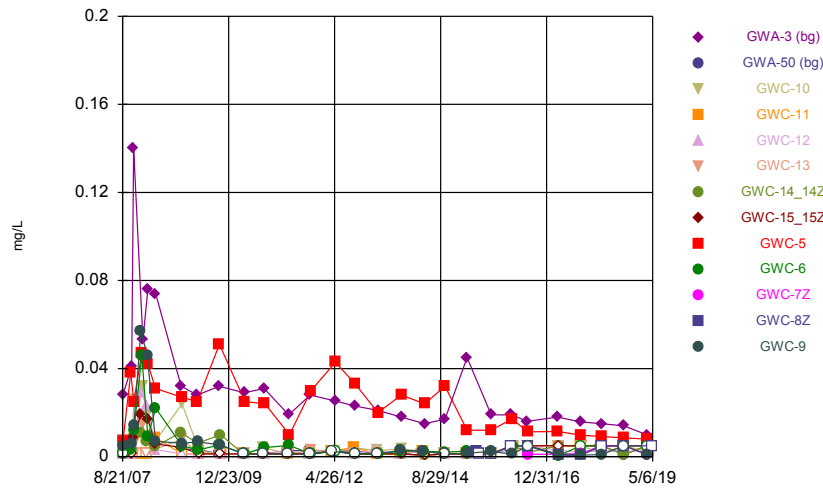
Constituent: Lead Analysis Run 5/20/2019 2:49 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



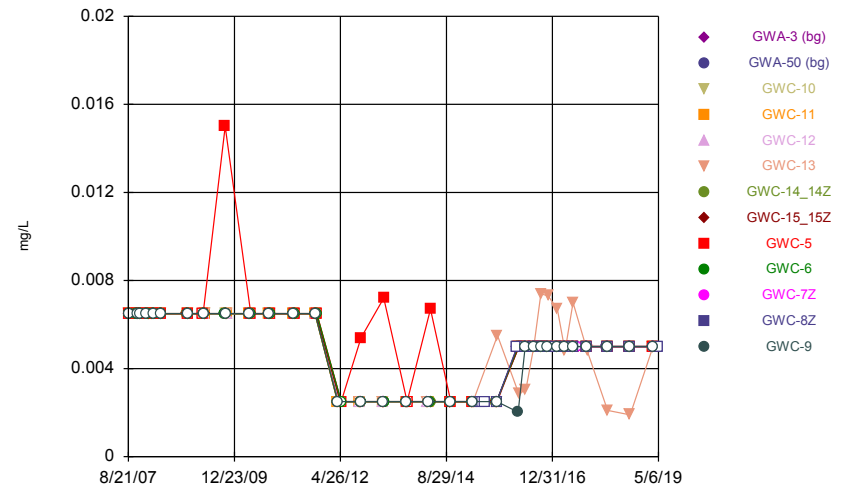
Constituent: Mercury Analysis Run 5/20/2019 2:49 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Nickel Analysis Run 5/20/2019 2:50 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Selenium Analysis Run 5/20/2019 2:50 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

# Time Series

Constituent: Lead (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			<0.013	<0.013	<0.013	<0.013			
8/22/2007									
8/23/2007	<0.013								<0.013
8/24/2007							<0.013	<0.013	
10/25/2007									<0.013
11/1/2007			<0.013	<0.013	<0.013	<0.013			
11/2/2007	<0.013						<0.013	<0.013	
11/17/2007							<0.013		
11/18/2007	<0.013			<0.013				<0.013	
11/19/2007					<0.013	<0.013			<0.013
11/20/2007			<0.013						
1/15/2008							<0.013	<0.013	
1/16/2008					<0.013				
1/23/2008									<0.013
1/30/2008			<0.013	<0.013					
1/31/2008	<0.013					<0.013			
3/5/2008				<0.013	<0.013	<0.013	<0.013		
3/6/2008			<0.013						
3/10/2008								<0.013	
3/11/2008	<0.013								<0.013
5/7/2008				<0.013			<0.013		
5/12/2008			<0.013			<0.013			<0.013
5/13/2008					<0.013			<0.013	
5/14/2008	<0.013								
12/2/2008							<0.013	<0.013	
12/5/2008	<0.013								
12/11/2008									<0.013
12/12/2008		<0.013							
12/13/2008			<0.013		<0.013	<0.013			
12/14/2008				<0.013					
4/15/2009	<0.013								<0.013
4/16/2009					<0.013		<0.013		
4/23/2009		<0.013							
4/28/2009						<0.013		<0.013	
4/29/2009			<0.013	<0.013					
10/6/2009		<0.013							
10/8/2009	<0.013								
10/9/2009									<0.013
10/13/2009									
10/20/2009			<0.013				<0.013	<0.013	
10/21/2009					<0.013	<0.013			
10/22/2009				<0.013					
4/20/2010							<0.013		
4/21/2010				<0.013					
4/26/2010			<0.013						
4/27/2010		<0.013			<0.013			<0.013	
4/28/2010	<0.013					<0.013			
5/4/2010									<0.013
9/28/2010				<0.013					
9/29/2010			<0.013				<0.013		
9/30/2010		<0.013							
10/5/2010					<0.013	<0.013		<0.013	



# Time Series

Constituent: Lead (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	<0.013								
3/30/2015		<0.013							
3/31/2015	<0.013								<0.013
4/1/2015				<0.013	<0.013	<0.013			
4/2/2015			<0.013						
4/3/2015							<0.013	<0.013	
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015								<0.013	
10/7/2015							<0.013		
10/8/2015									
10/9/2015									
10/10/2015			<0.013						
10/11/2015		<0.013		<0.013					
10/12/2015	<0.013								<0.013
10/14/2015					<0.013				
10/15/2015						<0.013			
3/22/2016									
3/23/2016	<0.005								
3/28/2016		<0.005							<0.005
3/29/2016									
3/30/2016									
3/31/2016			<0.005						
4/4/2016				<0.005	<0.005	<0.005			
4/5/2016							<0.005	<0.005	
5/23/2016	<0.005	<0.005							
5/24/2016									
5/25/2016									<0.005
5/26/2016			<0.005	<0.005					
5/27/2016					<0.005				
5/31/2016						<0.005		<0.005	
6/1/2016							<0.005		
7/29/2016	<0.005								
8/1/2016		<0.005							<0.005
8/2/2016									
8/3/2016				<0.005	<0.005				
8/4/2016						0.0001 (J)			
8/5/2016			<0.005						
8/9/2016							<0.005		
9/22/2016	<0.005 (*)								
9/26/2016		0.0001 (J)							
9/27/2016									<0.005
9/28/2016			<0.005	<0.005					
9/29/2016						0.0001 (J)			
9/30/2016					<0.005				
11/10/2016	<0.005	<0.005							
11/11/2016									<0.005
11/18/2016									
11/21/2016									
11/22/2016			<0.005	<0.005	<0.005				
11/23/2016								<0.005	



# Time Series

Constituent: Lead (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	<0.013			
8/23/2007				<0.013
8/24/2007				
10/25/2007	<0.013			
11/1/2007				<0.013
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				<0.013
11/20/2007	<0.013			
1/15/2008				<0.013
1/16/2008				
1/23/2008	<0.013			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				<0.013
3/10/2008				
3/11/2008	<0.013			
5/7/2008				
5/12/2008				
5/13/2008				<0.013
5/14/2008	<0.013			
12/2/2008				
12/5/2008				
12/11/2008	<0.013			
12/12/2008				<0.013
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				<0.013
4/23/2009	<0.013			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	<0.013			
10/13/2009				<0.013
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				<0.013
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	<0.013			
9/28/2010				
9/29/2010				<0.013
9/30/2010				
10/5/2010				



# Time Series

Constituent: Lead (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	<0.013			
10/12/2010				
4/12/2011				
4/13/2011				<0.013
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	<0.013			
4/28/2011				
10/4/2011				
10/5/2011				<0.013
10/12/2011				
10/13/2011				
10/18/2011	<0.013			
10/19/2011				
4/3/2012				
4/4/2012				0.0012
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	<0.001			
10/2/2012				
10/3/2012				
10/8/2012	<0.013			<0.013
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				<0.013
4/9/2013				
4/10/2013	<0.013			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	<0.013			
10/9/2013				<0.013
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				<0.0025
4/10/2014				
4/14/2014	<0.0025			
4/21/2014				
4/23/2014				
9/30/2014				<0.013
10/1/2014				
10/2/2014				
10/3/2014	<0.013			

# Time Series

Constituent: Lead (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	<0.013			
4/2/2015				<0.013
4/3/2015				
5/26/2015			<0.013	
6/18/2015			<0.013 (D)	
7/2/2015			<0.013	
10/6/2015				
10/7/2015				
10/8/2015			<0.013	
10/9/2015	<0.013			
10/10/2015				<0.013 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			<0.005	
3/23/2016				
3/28/2016				
3/29/2016	<0.005			
3/30/2016				<0.005
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	<0.005			
5/25/2016			<0.005	
5/26/2016				<0.005
5/27/2016				
5/31/2016		<0.005		
6/1/2016				
7/29/2016				
8/1/2016	<0.005			
8/2/2016		0.0001 (J)	0.0002 (J)	
8/3/2016				
8/4/2016				
8/5/2016				0.0001 (J)
8/9/2016				
9/22/2016				
9/26/2016	0.0003 (J)		0.0001 (J)	
9/27/2016		0.0001 (J)		
9/28/2016				0.0002 (J)
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	<0.005			
11/21/2016		0.0001 (J)	0.0001 (J)	0.0002 (J)
11/22/2016				
11/23/2016				

# Time Series

Constituent: Lead (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	<0.005	0.0001 (J)		
2/3/2017			0.0002 (J)	
2/6/2017				0.0001 (J)
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	7E-05 (J)	0.0002 (J)		0.0001 (J)
4/7/2017			0.0002 (J)	
4/10/2017				
4/11/2017				
4/12/2017				
6/12/2017				
6/13/2017	<0.005	<0.005	0.0002 (J)	8E-05 (J)
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		<0.005		
7/26/2017				
10/2/2017				
10/3/2017	<0.005	9E-05 (J)	0.0002 (J)	<0.005
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.005			
3/20/2018		<0.005	0.00042 (J)	<0.005
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	<0.005			
9/18/2018		<0.005	<0.005	<0.005 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.005	<0.005		<0.005
3/22/2019				
3/23/2019				
5/6/2019			0.00032 (J)	

# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			<0.000254	<0.000254	<0.000254	<0.000254			
8/22/2007									
8/23/2007	<0.000254								<0.000254
8/24/2007							<0.000254	<0.000254	
10/25/2007									<0.000145
11/1/2007			<0.000145	<0.000145	<0.000145	<0.000145			
11/2/2007	<0.000145						<0.000145	<0.000145	
11/17/2007							<0.000145		
11/18/2007	<0.000145			<0.000145				<0.000145	
11/19/2007					<0.000145	<0.000145			<0.000145
11/20/2007			<0.000145						
1/15/2008							<0.000145	<0.000145	
1/16/2008					<0.000145				
1/23/2008									<0.000145
1/30/2008			<0.000145	<0.000145					
1/31/2008	<0.000145					<0.000145			
3/5/2008				<0.000145	<0.000145	<0.000145	<0.000145		
3/6/2008			<0.000145						
3/10/2008								<0.000145	
3/11/2008	<0.000145								<0.000145
5/7/2008				0.000181			<0.000145		
5/12/2008			<0.000145			<0.000145			<0.000145
5/13/2008					<0.000145			<0.000145	
5/14/2008	<0.000145								
12/2/2008							<0.000145	<0.000145	
12/5/2008	<0.000145								
12/11/2008									<0.00025
12/12/2008		<0.00025							
12/13/2008			<0.00025		<0.00025	<0.00025			
12/14/2008				<0.00025					
4/15/2009	<0.00025								<0.00025
4/16/2009					<0.00025		<0.00025		
4/23/2009		<0.00025							
4/28/2009						<0.00025		<0.00025	
4/29/2009			<0.00025	<0.00025					
10/6/2009		<0.00025							
10/8/2009	<0.00025								
10/9/2009									<0.00025
10/13/2009									
10/20/2009			<0.00025				<0.00025	<0.00025	
10/21/2009					<0.00025	<0.00025			
10/22/2009				<0.00025					
4/20/2010							<0.000591		
4/21/2010				<0.000591					
4/26/2010			<0.000591						
4/27/2010		<0.000591			<0.000591			<0.000591	
4/28/2010	<0.000591					<0.000591			
5/4/2010									<0.000591
9/28/2010				<0.000591					
9/29/2010			<0.000591				<0.000591		
9/30/2010		<0.000591							
10/5/2010					<0.000591	<0.000591		<0.000591	



# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	<0.0002								
3/30/2015		2.02E-05 (J)							
3/31/2015	<0.0002								<0.0002
4/1/2015				<0.0002	<0.0002	<0.0002			
4/2/2015			<0.0002						
4/3/2015							<0.0002	<0.0002	
5/26/2015									
6/18/2015									
7/2/2015									
8/14/2015									
10/6/2015								<0.0002	
10/7/2015							<0.0002		
10/8/2015									
10/9/2015									
10/10/2015			<0.0002						
10/11/2015		<0.0002		<0.0002					
10/12/2015	<0.0002								<0.0002
10/14/2015					<0.0002				
10/15/2015						<0.0002			
3/22/2016									
3/23/2016	<0.0005								
3/28/2016		<0.0005							<0.0005
3/29/2016									
3/30/2016									
3/31/2016			<0.0005						
4/4/2016				<0.0005	<0.0005	<0.0005			
4/5/2016							<0.0005	<0.0005	
5/23/2016	<0.0005	<0.0005							
5/24/2016									
5/25/2016									<0.0005
5/26/2016			<0.0005	<0.0005					
5/27/2016					<0.0005				
5/31/2016						<0.0005		<0.0005	
6/1/2016							<0.0005		
7/29/2016	<0.0005								
8/1/2016		<0.0005							<0.0005
8/2/2016									
8/3/2016				<0.0005	<0.0005				
8/4/2016						<0.0005			
8/5/2016			<0.0005						
8/9/2016							<0.0005		
9/22/2016	<0.0005								
9/26/2016		<0.0005							
9/27/2016									<0.0005
9/28/2016			<0.0005	<0.0005					
9/29/2016						<0.0005			
9/30/2016					<0.0005				
11/10/2016	<0.0005	<0.0005							
11/11/2016									<0.0005
11/18/2016									
11/21/2016									
11/22/2016			<0.0005	<0.0005	8E-05 (J)				



# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	<0.000254			
8/23/2007				<0.000254
8/24/2007				
10/25/2007	<0.000145			
11/1/2007				<0.000145
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				<0.000145
11/20/2007	<0.000145			
1/15/2008				<0.000145
1/16/2008				
1/23/2008	<0.000145			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				<0.000145
3/10/2008				
3/11/2008	<0.000145			
5/7/2008				
5/12/2008				
5/13/2008				<0.000145
5/14/2008	<0.000145			
12/2/2008				
12/5/2008				
12/11/2008	<0.00025			
12/12/2008				<0.00025
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				<0.00025
4/23/2009	<0.00025			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	<0.00025			
10/13/2009				<0.00025
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				<0.000591
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	<0.000591			
9/28/2010				
9/29/2010				<0.000591
9/30/2010				
10/5/2010				



# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	<0.000299			
10/12/2010				
4/12/2011				
4/13/2011				<0.000299
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	<0.000299			
4/28/2011				
10/4/2011				
10/5/2011				<0.000168
10/12/2011				
10/13/2011				
10/18/2011	<0.000168			
10/19/2011				
4/3/2012				
4/4/2012				<0.000123
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	<0.000123			
10/2/2012				
10/3/2012				
10/8/2012	<0.0002			<0.0002
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				<0.0001
4/9/2013				
4/10/2013	<0.0001			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	<0.0002			
10/9/2013				<0.0002
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				<4.02E-05
4/10/2014				
4/14/2014	<4.02E-05			
4/21/2014				
4/23/2014				
9/30/2014				<0.0002
10/1/2014				
10/2/2014				
10/3/2014	3.29E-05 (J)			

# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	<0.0002			
4/2/2015				<0.0002
4/3/2015				
5/26/2015			<0.0002	
6/18/2015			<0.0002 (D)	
7/2/2015			<0.0002	
8/14/2015			<0.0002 (D)	
10/6/2015				
10/7/2015				
10/8/2015			<0.0002	
10/9/2015	<0.0002			
10/10/2015				<0.0002 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			<0.0005	
3/23/2016				
3/28/2016				
3/29/2016	<0.0005			
3/30/2016				<0.0005
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	<0.0005			
5/25/2016			<0.0005	
5/26/2016				<0.0005
5/27/2016				
5/31/2016		<0.0005		
6/1/2016				
7/29/2016				
8/1/2016	<0.0005			
8/2/2016		<0.0005	<0.0005	
8/3/2016				
8/4/2016				
8/5/2016				<0.0005
8/9/2016				
9/22/2016				
9/26/2016	<0.0005		<0.0005	
9/27/2016		<0.0005		
9/28/2016				<0.0005
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	<0.0005			
11/21/2016		<0.0005	<0.0005	<0.0005
11/22/2016				

# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
11/23/2016				
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	<0.0005 (*)	<0.0005		
2/3/2017			<0.0005	
2/6/2017				<0.0005
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	<0.0005	<0.0005		<0.0005
4/7/2017			<0.0005 (*)	
4/10/2017				
4/11/2017				
4/12/2017				
6/12/2017				
6/13/2017	<0.0005 (*)	<0.0005 (*)	<0.0005 (*)	<0.0005 (*)
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		<0.0005		
7/26/2017				
10/2/2017				
10/3/2017	<0.0005	<0.0005	<0.0005	<0.0005
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.0005			
3/20/2018		<0.0005	<0.0005	<0.0005
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	<0.0005			
9/18/2018		<0.0005	<0.0005	<0.0005 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.0005	<0.0005		<0.0005
3/22/2019				
3/23/2019				
5/6/2019			<0.0005	

# Time Series

Constituent: Nickel (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			<0.0025	<0.0025	<0.0025	0.0076			
8/22/2007									
8/23/2007	0.028								0.0069
8/24/2007							<0.0025	<0.0025	
10/25/2007									0.038
11/1/2007			0.0042	<0.0025	<0.0025	0.0043			
11/2/2007	0.041						0.0029	<0.0025	
11/17/2007							0.0086		
11/18/2007	0.14			<0.0025				0.0088 (J)	
11/19/2007					0.0047	0.0061			0.025
11/20/2007			0.026						
1/15/2008							0.011	0.019	
1/16/2008					0.029				
1/23/2008									0.047
1/30/2008			0.032	<0.0025					
1/31/2008	0.053					0.015			
3/5/2008				<0.0025	0.023	<0.0025	0.0072		
3/6/2008			0.019						
3/10/2008								0.017	
3/11/2008	0.076								0.042
5/7/2008				0.0087			0.0045		
5/12/2008			0.0072			0.0035			0.031
5/13/2008					0.0032			0.0058	
5/14/2008	0.074								
12/2/2008							0.011	0.0043	
12/5/2008	0.032								
12/11/2008									0.027
12/12/2008		0.0035							
12/13/2008			0.024		<0.0025	0.0079			
12/14/2008				<0.0025					
4/15/2009	0.028								0.025
4/16/2009					<0.0025		0.0061		
4/23/2009		0.0032							
4/28/2009						<0.0025		<0.0025	
4/29/2009			0.0026	<0.0025					
10/6/2009		<0.0025							
10/8/2009	0.032								
10/9/2009									0.051
10/13/2009									
10/20/2009			<0.0025				0.01	<0.0025	
10/21/2009					<0.0025	<0.0025			
10/22/2009				<0.0025					
4/20/2010							<0.0025		
4/21/2010				<0.0025					
4/26/2010			<0.0025						
4/27/2010		<0.0025			<0.0025			<0.0025	
4/28/2010	0.029					<0.0025			
5/4/2010									0.025
9/28/2010				<0.0025					
9/29/2010			0.0042				<0.0025		
9/30/2010		<0.0025							
10/5/2010					<0.0025	<0.0025		<0.0025	



# Time Series

Constituent: Nickel (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	0.017								
3/30/2015		0.0015 (J)							
3/31/2015	0.045								0.012
4/1/2015				<0.0025	0.0014 (J)	<0.0025			
4/2/2015			<0.0025						
4/3/2015							<0.0025	<0.0025	
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015								<0.0025	
10/7/2015							<0.0025		
10/8/2015									
10/9/2015									
10/10/2015			<0.0025						
10/11/2015		0.0013 (J)		<0.0025					
10/12/2015	0.019								0.012
10/14/2015					0.0021 (J)				
10/15/2015						<0.0025			
3/22/2016									
3/23/2016	0.019								
3/28/2016		<0.01							0.0172
3/29/2016									
3/30/2016									
3/31/2016			<0.01						
4/4/2016				<0.01	0.00264 (J)	<0.01			
4/5/2016							<0.01	<0.01	
7/29/2016	0.0161								
8/1/2016		<0.01 (*)							0.0113
8/2/2016									
8/3/2016				<0.01	<0.01 (*)				
8/4/2016						<0.01			
8/5/2016			<0.01 (*)						
8/9/2016							0.0021 (J)		
3/30/2017	0.018								
4/3/2017									0.0114
4/6/2017									
4/7/2017		0.0011 (J)							
4/10/2017			<0.01 (*)	<0.01 (*)					
4/11/2017					0.0027 (J)		<0.01	<0.01 (*)	
4/12/2017						<0.01 (*)			
10/2/2017		0.0013 (J)							
10/3/2017									0.0098 (J)
10/4/2017	0.0158		<0.01	<0.01	0.0022 (J)				
10/5/2017							<0.01		
10/6/2017								<0.01	
10/9/2017						<0.01			
3/16/2018		<0.01							
3/19/2018	0.015								0.0092 (J)
3/20/2018			0.0016 (J)						
3/21/2018				<0.01		<0.01			
3/22/2018					0.0025 (J)		<0.01		
3/23/2018								<0.01	



# Time Series

Constituent: Nickel (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	<0.0025			
8/23/2007				0.0046
8/24/2007				
10/25/2007	0.0028			
11/1/2007				0.0057
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				0.014 (J)
11/20/2007	0.012			
1/15/2008				0.057
1/16/2008				
1/23/2008	0.046			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				0.046
3/10/2008				
3/11/2008	0.0091			
5/7/2008				
5/12/2008				
5/13/2008				0.0069
5/14/2008	0.022			
12/2/2008				
12/5/2008				
12/11/2008	0.005			
12/12/2008				0.0061
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				0.0067 (J)
4/23/2009	0.0031			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	0.0053			
10/13/2009				0.0054
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				<0.0025
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	<0.0025			
9/28/2010				
9/29/2010				<0.0025
9/30/2010				
10/5/2010				



# Time Series

Constituent: Nickel (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	0.0042			
10/12/2010				
4/12/2011				
4/13/2011				<0.0025
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	0.0051			
4/28/2011				
10/4/2011				
10/5/2011				<0.0025
10/12/2011				
10/13/2011				
10/18/2011	<0.0025			
10/19/2011				
4/3/2012				
4/4/2012				<0.005
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	<0.005			
10/2/2012				
10/3/2012				
10/8/2012	<0.0025			<0.0025
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				<0.0025
4/9/2013				
4/10/2013	<0.0025			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	0.0025			
10/9/2013				0.0029
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				0.0025 (J)
4/10/2014				
4/14/2014	0.0025 (J)			
4/21/2014				
4/23/2014				
9/30/2014				<0.0025
10/1/2014				
10/2/2014				
10/3/2014	0.0021 (J)			

# Time Series

Constituent: Nickel (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	0.0026			
4/2/2015				0.0016 (J)
4/3/2015				
5/26/2015			0.002 (J)	
6/18/2015			0.0025 (D)	
7/2/2015			<0.0025	
10/6/2015				
10/7/2015				
10/8/2015			<0.0025	
10/9/2015	<0.0025			
10/10/2015				0.002325 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			<0.01	
3/23/2016				
3/28/2016				
3/29/2016	<0.01			
3/30/2016				0.00116 (J)
3/31/2016				
4/4/2016				
4/5/2016				
7/29/2016				
8/1/2016	<0.01			
8/2/2016		0.0011 (J)	<0.01 (*)	
8/3/2016				
8/4/2016				
8/5/2016				<0.01
8/9/2016				
3/30/2017				
4/3/2017				
4/6/2017	0.0005 (J)	0.0011 (J)		0.001 (J)
4/7/2017			0.0007 (J)	
4/10/2017				
4/11/2017				
4/12/2017				
10/2/2017				
10/3/2017	<0.01	0.0012 (J)	0.0006 (J)	0.0007 (J)
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.01			
3/20/2018		<0.01	<0.01	0.00097 (J)
3/21/2018				
3/22/2018				
3/23/2018				

# Time Series

Constituent: Nickel (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
9/17/2018	<0.01			
9/18/2018		<0.01	<0.01	<0.01 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.01	0.00099 (J)		0.001 (J)
3/22/2019				
3/23/2019				
5/6/2019			<0.01	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			<0.013	<0.013	<0.013	<0.013			
8/22/2007									
8/23/2007	<0.013								<0.013
8/24/2007							<0.013	<0.013	
10/25/2007									<0.013
11/1/2007			<0.013	<0.013	<0.013	<0.013			
11/2/2007	<0.013						<0.013	<0.013	
11/17/2007							<0.013		
11/18/2007	<0.013			<0.013				<0.013	
11/19/2007					<0.013	<0.013			<0.013
11/20/2007			<0.013						
1/15/2008							<0.013	<0.013	
1/16/2008					<0.013				
1/23/2008									<0.013
1/30/2008			<0.013	<0.013					
1/31/2008	<0.013					<0.013			
3/5/2008				<0.013	<0.013	<0.013	<0.013		
3/6/2008			<0.013						
3/10/2008								<0.013	
3/11/2008	<0.013								<0.013
5/7/2008				<0.013			<0.013		
5/12/2008			<0.013			<0.013			<0.013
5/13/2008					<0.013			<0.013	
5/14/2008	<0.013								
12/2/2008							<0.013	<0.013	
12/5/2008	<0.013								
12/11/2008									<0.013
12/12/2008		<0.013							
12/13/2008			<0.013		<0.013	<0.013			
12/14/2008				<0.013					
4/15/2009	<0.013								<0.013
4/16/2009					<0.013		<0.013		
4/23/2009		<0.013							
4/28/2009						<0.013		<0.013	
4/29/2009			<0.013	<0.013					
10/6/2009		<0.013							
10/8/2009	<0.013								
10/9/2009									0.015
10/13/2009									
10/20/2009			<0.013				<0.013	<0.013	
10/21/2009					<0.013	<0.013			
10/22/2009				<0.013					
4/20/2010							<0.013		
4/21/2010				<0.013					
4/26/2010			<0.013						
4/27/2010		<0.013			<0.013			<0.013	
4/28/2010	<0.013					<0.013			
5/4/2010									<0.013
9/28/2010				<0.013					
9/29/2010			<0.013				<0.013		
9/30/2010		<0.013							
10/5/2010					<0.013	<0.013		<0.013	



# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	<0.005								
3/30/2015		<0.005							
3/31/2015	<0.005								<0.005
4/1/2015				<0.005	<0.005	<0.005			
4/2/2015			<0.005						
4/3/2015							<0.005	<0.005	
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015								<0.005	
10/7/2015							<0.005		
10/8/2015									
10/9/2015									
10/10/2015			<0.005						
10/11/2015		<0.005		<0.005					
10/12/2015	<0.005								<0.005
10/14/2015					<0.005				
10/15/2015						0.0055			
3/22/2016									
3/23/2016	<0.01								
3/28/2016		<0.01							<0.01
3/29/2016									
3/30/2016									
3/31/2016			<0.01						
4/4/2016				<0.01	<0.01	0.00286 (J)			
4/5/2016							<0.01	<0.01	
5/23/2016	<0.01	<0.01							
5/24/2016									
5/25/2016									<0.01
5/26/2016			<0.01	<0.01					
5/27/2016					<0.01				
5/31/2016						0.00303 (J)		<0.01	
6/1/2016							<0.01		
7/29/2016	<0.01								
8/1/2016		<0.01							<0.01
8/2/2016									
8/3/2016				<0.01	<0.01				
8/4/2016						0.005 (J)			
8/5/2016			<0.01						
8/9/2016							<0.01		
9/22/2016	<0.01								
9/26/2016		<0.01							
9/27/2016									<0.01
9/28/2016			<0.01	<0.01					
9/29/2016						0.0074 (J)			
9/30/2016					<0.01				
11/10/2016	<0.01	<0.01							
11/11/2016									<0.01
11/18/2016									
11/21/2016									
11/22/2016			<0.01	<0.01	<0.01				
11/23/2016								<0.01	



# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	<0.013			
8/23/2007				<0.013
8/24/2007				
10/25/2007	<0.013			
11/1/2007				<0.013
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				<0.013
11/20/2007	<0.013			
1/15/2008				<0.013
1/16/2008				
1/23/2008	<0.013			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				<0.013
3/10/2008				
3/11/2008	<0.013			
5/7/2008				
5/12/2008				
5/13/2008				<0.013
5/14/2008	<0.013			
12/2/2008				
12/5/2008				
12/11/2008	<0.013			
12/12/2008				<0.013
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				<0.013
4/23/2009	<0.013			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	<0.013			
10/13/2009				<0.013
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				<0.013
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	<0.013			
9/28/2010				
9/29/2010				<0.013
9/30/2010				
10/5/2010				



# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	<0.013			
10/12/2010				
4/12/2011				
4/13/2011				<0.013
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	<0.013			
4/28/2011				
10/4/2011				
10/5/2011				<0.013
10/12/2011				
10/13/2011				
10/18/2011	<0.013			
10/19/2011				
4/3/2012				
4/4/2012				<0.005
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	<0.005			
10/2/2012				
10/3/2012				
10/8/2012	<0.005			<0.005
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				<0.005
4/9/2013				
4/10/2013	<0.005			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	<0.005			
10/9/2013				<0.005
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				<0.005
4/10/2014				
4/14/2014	<0.005			
4/21/2014				
4/23/2014				
9/30/2014				<0.005
10/1/2014				
10/2/2014				
10/3/2014	<0.005			

# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

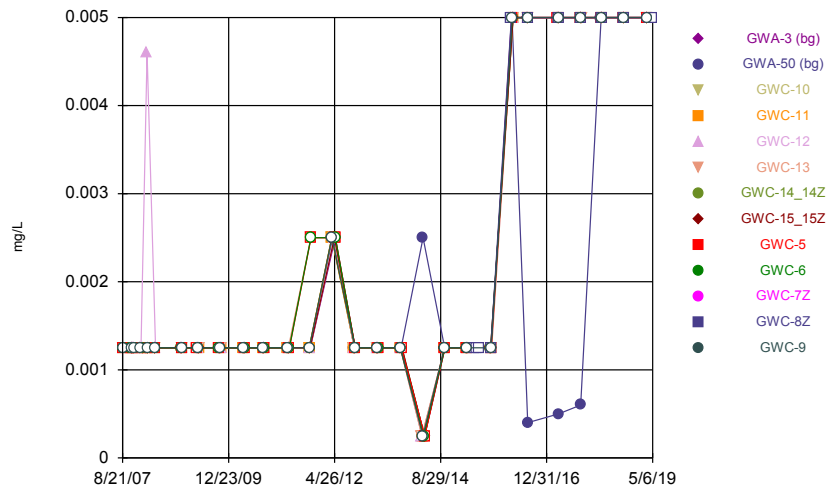
	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	<0.005			
4/2/2015				<0.005
4/3/2015				
5/26/2015			<0.005	
6/18/2015			<0.005 (D)	
7/2/2015			<0.005	
10/6/2015				
10/7/2015				
10/8/2015			<0.005	
10/9/2015	<0.005			
10/10/2015				<0.005 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			<0.01	
3/23/2016				
3/28/2016				
3/29/2016	<0.01			
3/30/2016				0.00202 (J)
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	<0.01			
5/25/2016			<0.01	
5/26/2016				<0.01
5/27/2016				
5/31/2016		<0.01		
6/1/2016				
7/29/2016				
8/1/2016	<0.01			
8/2/2016		<0.01	<0.01	
8/3/2016				
8/4/2016				
8/5/2016				<0.01
8/9/2016				
9/22/2016				
9/26/2016	<0.01		<0.01	
9/27/2016		<0.01		
9/28/2016				<0.01
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	<0.01			
11/21/2016		<0.01	<0.01	<0.01
11/22/2016				
11/23/2016				

# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

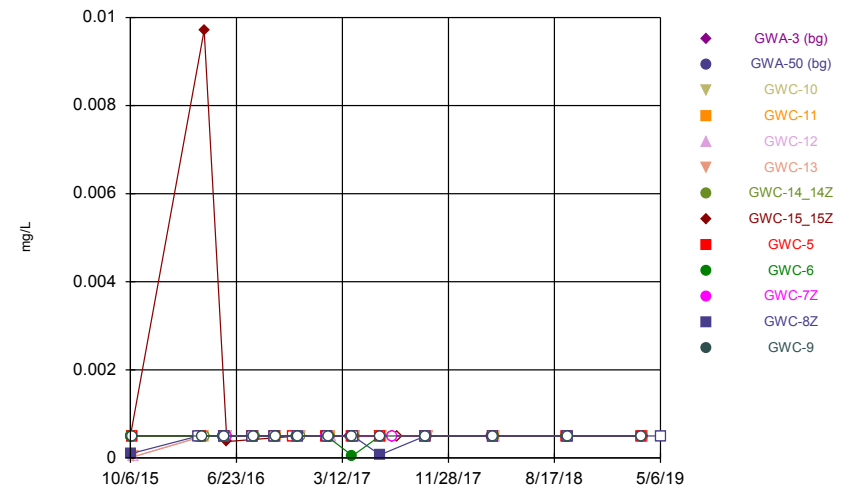
	GWC-6	GWC-7Z	GWC-8Z	GWC-9
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	<0.01	<0.01		
2/3/2017			<0.01	
2/6/2017				<0.01
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	<0.01	<0.01		<0.01
4/7/2017			<0.01	
4/10/2017				
4/11/2017				
4/12/2017				
6/12/2017				
6/13/2017	<0.01	<0.01	<0.01	<0.01
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		<0.01		
7/26/2017				
10/2/2017				
10/3/2017	<0.01	<0.01	<0.01	<0.01
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.01			
3/20/2018		<0.01	<0.01	<0.01
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	<0.01			
9/18/2018		<0.01	<0.01	<0.01 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.01	<0.01		<0.01
3/22/2019				
3/23/2019				
5/6/2019			<0.01	

Time Series



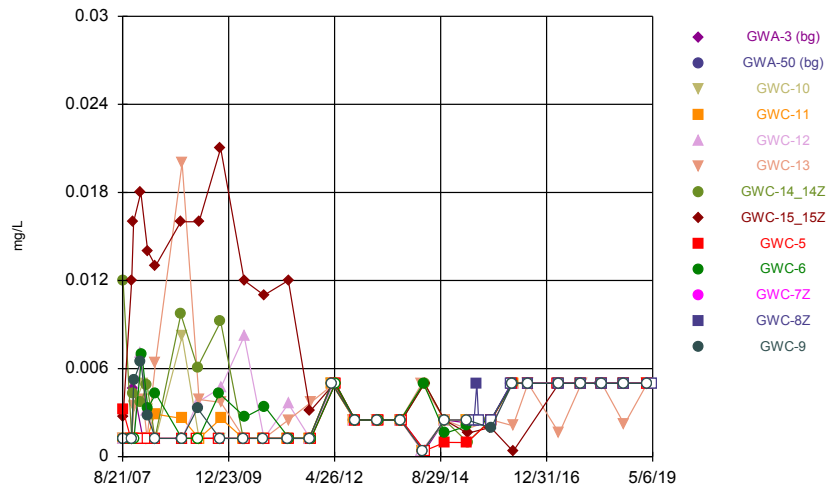
Constituent: Silver Analysis Run 5/20/2019 2:50 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



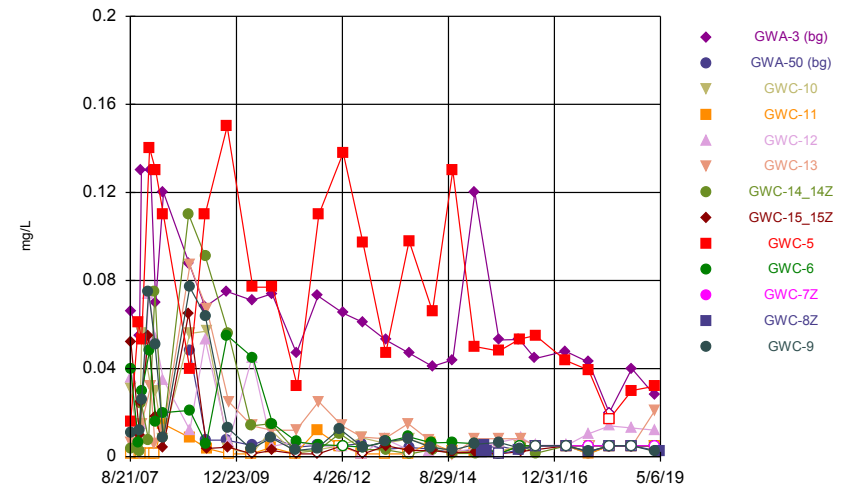
Constituent: Thallium Analysis Run 5/20/2019 2:50 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Vanadium Analysis Run 5/20/2019 2:50 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Zinc Analysis Run 5/20/2019 2:50 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

# Time Series

Constituent: Silver (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			<0.0025	<0.0025	<0.0025	<0.0025			
8/22/2007									
8/23/2007	<0.0025								<0.0025
8/24/2007							<0.0025	<0.0025	
10/25/2007									<0.0025
11/1/2007			<0.0025	<0.0025	<0.0025	<0.0025			
11/2/2007	<0.0025						<0.0025	<0.0025	
11/17/2007							<0.0025		
11/18/2007	<0.0025			<0.0025				<0.0025	
11/19/2007					<0.0025	<0.0025			<0.0025
11/20/2007			<0.0025						
1/15/2008							<0.0025	<0.0025	
1/16/2008					<0.0025				
1/23/2008									<0.0025
1/30/2008			<0.0025	<0.0025					
1/31/2008	<0.0025					<0.0025			
3/5/2008				<0.0025	0.0046	<0.0025	<0.0025		
3/6/2008			<0.0025						
3/10/2008								<0.0025	
3/11/2008	<0.0025								<0.0025
5/7/2008				<0.0025			<0.0025		
5/12/2008			<0.0025			<0.0025			<0.0025
5/13/2008					<0.0025			<0.0025	
5/14/2008	<0.0025								
12/2/2008							<0.0025	<0.0025	
12/5/2008	<0.0025								
12/11/2008									<0.0025
12/12/2008		<0.0025							
12/13/2008			<0.0025		<0.0025	<0.0025			
12/14/2008				<0.0025					
4/15/2009	<0.0025								<0.0025
4/16/2009					<0.0025		<0.0025		
4/23/2009		<0.0025							
4/28/2009						<0.0025		<0.0025	
4/29/2009			<0.0025	<0.0025					
10/6/2009		<0.0025							
10/8/2009	<0.0025								
10/9/2009									<0.0025
10/13/2009									
10/20/2009			<0.0025				<0.0025	<0.0025	
10/21/2009					<0.0025	<0.0025			
10/22/2009				<0.0025					
4/20/2010							<0.0025		
4/21/2010				<0.0025					
4/26/2010			<0.0025						
4/27/2010		<0.0025			<0.0025			<0.0025	
4/28/2010	<0.0025					<0.0025			
5/4/2010									<0.0025
9/28/2010				<0.0025					
9/29/2010			<0.0025				<0.0025		
9/30/2010		<0.0025							
10/5/2010					<0.0025	<0.0025		<0.0025	



# Time Series

Constituent: Silver (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	<0.0025								
3/30/2015		<0.0025							
3/31/2015	<0.0025								<0.0025
4/1/2015				<0.0025	<0.0025	<0.0025			
4/2/2015			<0.0025						
4/3/2015							<0.0025	<0.0025	
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015								<0.0025	
10/7/2015							<0.0025		
10/8/2015									
10/9/2015									
10/10/2015			<0.0025						
10/11/2015		<0.0025		<0.0025					
10/12/2015	<0.0025								<0.0025
10/14/2015					<0.0025				
10/15/2015						<0.0025			
3/22/2016									
3/23/2016	<0.01								
3/28/2016		<0.01							<0.01
3/29/2016									
3/30/2016									
3/31/2016			<0.01						
4/4/2016				<0.01	<0.01	<0.01			
4/5/2016							<0.01	<0.01	
7/29/2016	<0.01								
8/1/2016		0.0004 (J)							<0.01
8/2/2016									
8/3/2016				<0.01	<0.01				
8/4/2016						<0.01			
8/5/2016			<0.01						
8/9/2016							<0.01		
3/30/2017	<0.01								
4/3/2017									<0.01
4/6/2017									
4/7/2017		0.0005 (J)							
4/10/2017			<0.01	<0.01					
4/11/2017					<0.01		<0.01	<0.01	
4/12/2017						<0.01			
10/2/2017		0.0006 (J)							
10/3/2017									<0.01
10/4/2017	<0.01		<0.01	<0.01	<0.01				
10/5/2017							<0.01		
10/6/2017								<0.01	
10/9/2017						<0.01			
3/16/2018		<0.01							
3/19/2018	<0.01								<0.01
3/20/2018			<0.01						
3/21/2018				<0.01		<0.01			
3/22/2018					<0.01		<0.01		
3/23/2018								<0.01	





# Time Series

Constituent: Silver (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	<0.0025			
8/23/2007				<0.0025
8/24/2007				
10/25/2007	<0.0025			
11/1/2007				<0.0025
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				<0.0025
11/20/2007	<0.0025			
1/15/2008				<0.0025
1/16/2008				
1/23/2008	<0.0025			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				<0.0025
3/10/2008				
3/11/2008	<0.0025			
5/7/2008				
5/12/2008				
5/13/2008				<0.0025
5/14/2008	<0.0025			
12/2/2008				
12/5/2008				
12/11/2008	<0.0025			
12/12/2008				<0.0025
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				<0.0025
4/23/2009	<0.0025			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	<0.0025			
10/13/2009				<0.0025
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				<0.0025
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	<0.0025			
9/28/2010				
9/29/2010				<0.0025
9/30/2010				
10/5/2010				

# Time Series

Constituent: Silver (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	<0.0025			
10/12/2010				
4/12/2011				
4/13/2011				<0.0025
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	<0.0025			
4/28/2011				
10/4/2011				
10/5/2011				<0.0025
10/12/2011				
10/13/2011				
10/18/2011	<0.005			
10/19/2011				
4/3/2012				
4/4/2012				<0.005
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	<0.005			
10/2/2012				
10/3/2012				
10/8/2012	<0.0025			<0.0025
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				<0.0025
4/9/2013				
4/10/2013	<0.0025			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	<0.0025			
10/9/2013				<0.0025
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				<0.0005
4/10/2014				
4/14/2014	<0.0005			
4/21/2014				
4/23/2014				
9/30/2014				<0.0025
10/1/2014				
10/2/2014				
10/3/2014	<0.0025			

# Time Series

Constituent: Silver (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	<0.0025			
4/2/2015				<0.0025
4/3/2015				
5/26/2015			<0.0025	
6/18/2015			<0.0025 (D)	
7/2/2015			<0.0025	
10/6/2015				
10/7/2015				
10/8/2015			<0.0025	
10/9/2015	<0.0025			
10/10/2015				<0.0025 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			<0.01	
3/23/2016				
3/28/2016				
3/29/2016	<0.01			
3/30/2016				<0.01
3/31/2016				
4/4/2016				
4/5/2016				
7/29/2016				
8/1/2016	<0.01			
8/2/2016		<0.01	<0.01	
8/3/2016				
8/4/2016				
8/5/2016				<0.01
8/9/2016				
3/30/2017				
4/3/2017				
4/6/2017	<0.01	<0.01		<0.01
4/7/2017			<0.01	
4/10/2017				
4/11/2017				
4/12/2017				
10/2/2017				
10/3/2017	<0.01	<0.01	<0.01	<0.01
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.01			
3/20/2018		<0.01	<0.01	<0.01
3/21/2018				
3/22/2018				
3/23/2018				

# Time Series

Constituent: Silver (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
9/17/2018	<0.01			
9/18/2018		<0.01	<0.01	<0.01 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.01	<0.01		<0.01
3/22/2019				
3/23/2019				
5/6/2019			<0.01	

# Time Series

Constituent: Thallium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/6/2015								0.0005 (D)	
10/7/2015							<0.001 (D)		
10/8/2015									
10/9/2015									
10/10/2015			<0.001						
10/11/2015		<0.001		<0.001					
10/12/2015	<0.001								<0.001
10/14/2015					<6E-05				
10/15/2015						<6E-05			
3/22/2016									
3/23/2016	<0.001								
3/28/2016		<0.001							<0.001
3/29/2016									
3/30/2016									
3/31/2016			<0.001						
4/4/2016				<0.001	<0.001	<0.001			
4/5/2016							<0.001	0.00971 (J)	
5/23/2016	<0.001	<0.001							
5/24/2016									
5/25/2016									<0.001
5/26/2016			<0.001	<0.001					
5/27/2016					<0.001				
5/31/2016						<0.001		0.000373 (J)	
6/1/2016							<0.001		
7/29/2016	<0.001								
8/1/2016		<0.001							<0.001
8/2/2016									
8/3/2016				<0.001	<0.001				
8/4/2016						<0.001			
8/5/2016			<0.001						
8/9/2016							<0.001		
9/22/2016	<0.001								
9/26/2016		<0.001							
9/27/2016									<0.001
9/28/2016			<0.001	<0.001					
9/29/2016						<0.001			
9/30/2016					<0.001				
11/10/2016	<0.001	<0.001							
11/11/2016									<0.001
11/18/2016									
11/21/2016									
11/22/2016			<0.001	<0.001	<0.001				
11/23/2016								<0.001	
11/28/2016						<0.001	<0.001		
1/30/2017		<0.001							
1/31/2017	<0.001								<0.001
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017			<0.001						
2/8/2017				<0.001					
2/9/2017						<0.001	<0.001		



# Time Series

Constituent: Thallium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2015				
10/7/2015				
10/8/2015			0.0001 (D)	
10/9/2015	<0.001			
10/10/2015				<0.001
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			<0.001	
3/23/2016				
3/28/2016				
3/29/2016	<0.001			
3/30/2016				<0.001
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	<0.001			
5/25/2016			<0.001	
5/26/2016				<0.001
5/27/2016				
5/31/2016		<0.001		
6/1/2016				
7/29/2016				
8/1/2016	<0.001			
8/2/2016		<0.001	<0.001	
8/3/2016				
8/4/2016				
8/5/2016				<0.001
8/9/2016				
9/22/2016				
9/26/2016	<0.001		<0.001	
9/27/2016		<0.001		
9/28/2016				<0.001
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	<0.001			
11/21/2016		<0.001	<0.001	<0.001
11/22/2016				
11/23/2016				
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	<0.001	<0.001		
2/3/2017			<0.001	
2/6/2017				<0.001
2/7/2017				
2/8/2017				
2/9/2017				

# Time Series

Constituent: Thallium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	5E-05 (J)	<0.001		<0.001
4/7/2017			<0.001	
4/10/2017				
4/11/2017				
4/12/2017				
6/12/2017				
6/13/2017	<0.001	<0.001	7E-05 (J)	<0.001
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		<0.001		
7/26/2017				
10/2/2017				
10/3/2017	<0.001	<0.001	<0.001	<0.001
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.001			
3/20/2018		<0.001	<0.001	<0.001
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	<0.001			
9/18/2018		<0.001	<0.001	<0.001 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.001	<0.001		<0.001
3/22/2019				
3/23/2019				
5/6/2019			<0.001	



# Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			<0.0025	<0.0025	<0.0025	<0.0025			
8/22/2007									
8/23/2007	<0.0025								0.0032
8/24/2007							0.012	0.0027	
10/25/2007									<0.0025
11/1/2007			<0.0025	<0.0025	<0.0025	<0.0025			
11/2/2007	<0.0025						<0.0025	0.012	
11/17/2007							0.0043		
11/18/2007	0.0046			<0.0025				0.016 (J)	
11/19/2007					<0.0025	0.0035			<0.0025
11/20/2007			0.0034						
1/15/2008							0.0037	0.018	
1/16/2008					0.0071				
1/23/2008									<0.0025
1/30/2008			0.005	<0.0025					
1/31/2008	<0.0025					0.0039			
3/5/2008				<0.0025	0.0031	<0.0025	0.0049		
3/6/2008			0.0032						
3/10/2008								0.014	
3/11/2008	<0.0025								<0.0025
5/7/2008				0.0029			<0.0025		
5/12/2008			<0.0025			0.0064			<0.0025
5/13/2008					<0.0025			0.013	
5/14/2008	<0.0025								
12/2/2008							0.0097	0.016	
12/5/2008	<0.0025								
12/11/2008									<0.0025
12/12/2008		<0.0025							
12/13/2008			0.0082		<0.0025	0.02			
12/14/2008				0.0026					
4/15/2009	<0.0025								<0.0025
4/16/2009					0.0037		0.0061		
4/23/2009		<0.0025							
4/28/2009						0.0039		0.016	
4/29/2009			<0.0025	<0.0025					
10/6/2009		<0.0025							
10/8/2009	<0.0025								
10/9/2009									<0.0025
10/13/2009									
10/20/2009			<0.0025				0.0092	0.021	
10/21/2009					0.0047	0.0037			
10/22/2009				0.0026					
4/20/2010							<0.0025		
4/21/2010				<0.0025					
4/26/2010			<0.0025						
4/27/2010		<0.0025			0.0082			0.012	
4/28/2010	<0.0025					<0.0025			
5/4/2010									<0.0025
9/28/2010				<0.0025					
9/29/2010			<0.0025				<0.0025		
9/30/2010		<0.0025							
10/5/2010					<0.0025	<0.0025		0.011	



# Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	<0.005								
3/30/2015		<0.005							
3/31/2015	0.0023 (J)								0.00096 (J)
4/1/2015				<0.005	<0.005	0.0019 (J)			
4/2/2015			<0.005						
4/3/2015							0.001 (J)	0.0016 (J)	
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015								0.002 (J)	
10/7/2015							<0.005		
10/8/2015									
10/9/2015									
10/10/2015			<0.005						
10/11/2015		<0.005		<0.005					
10/12/2015	<0.005								<0.005
10/14/2015					0.0022 (J)				
10/15/2015						<0.005			
3/22/2016									
3/23/2016	<0.01								
3/28/2016		<0.01							<0.01
3/29/2016									
3/30/2016									
3/31/2016			<0.01						
4/4/2016				<0.01	<0.01	0.00211 (J)			
4/5/2016							<0.01	0.00036 (J)	
7/29/2016	<0.01								
8/1/2016		<0.01							<0.01
8/2/2016									
8/3/2016				<0.01	<0.01				
8/4/2016						<0.01			
8/5/2016			<0.01						
8/9/2016							<0.01		
3/30/2017	<0.01								
4/3/2017									<0.01
4/6/2017									
4/7/2017		<0.01							
4/10/2017			<0.01	<0.01					
4/11/2017					<0.01		<0.01	<0.01	
4/12/2017						0.0016 (J)			
10/2/2017		<0.01							
10/3/2017									<0.01
10/4/2017	<0.01		<0.01	<0.01	<0.01				
10/5/2017							<0.01		
10/6/2017								<0.01	
10/9/2017						<0.01			
3/16/2018		<0.01							
3/19/2018	<0.01								<0.01
3/20/2018			<0.01						
3/21/2018				<0.01		<0.01			
3/22/2018					<0.01		<0.01		
3/23/2018								<0.01	



# Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	<0.0025			
8/23/2007				<0.0025
8/24/2007				
10/25/2007	<0.0025			
11/1/2007				<0.0025
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				0.0052
11/20/2007	<0.0025			
1/15/2008				0.0065
1/16/2008				
1/23/2008	0.007			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				0.0028
3/10/2008				
3/11/2008	0.0033			
5/7/2008				
5/12/2008				
5/13/2008				<0.0025
5/14/2008	0.0043			
12/2/2008				
12/5/2008				
12/11/2008	<0.0025			
12/12/2008				<0.0025
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				0.0033
4/23/2009	<0.0025			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	0.0043			
10/13/2009				<0.0025
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				<0.0025
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	0.0027			
9/28/2010				
9/29/2010				<0.0025
9/30/2010				
10/5/2010				

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	0.0034			
10/12/2010				
4/12/2011				
4/13/2011				<0.0025
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	<0.0025			
4/28/2011				
10/4/2011				
10/5/2011				<0.0025
10/12/2011				
10/13/2011				
10/18/2011	<0.0025			
10/19/2011				
4/3/2012				
4/4/2012				<0.01
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	<0.01			
10/2/2012				
10/3/2012				
10/8/2012	<0.005			<0.005
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				<0.005
4/9/2013				
4/10/2013	<0.005			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	<0.005			
10/9/2013				<0.005
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				<0.000825
4/10/2014				
4/14/2014	0.005 (J)			
4/21/2014				
4/23/2014				
9/30/2014				<0.005
10/1/2014				
10/2/2014				
10/3/2014	0.0016 (J)			

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	0.0021 (J)			
4/2/2015				<0.005
4/3/2015				
5/26/2015			<0.005	
6/18/2015			0.005 (D)	
7/2/2015			<0.005	
10/6/2015				
10/7/2015				
10/8/2015			<0.005	
10/9/2015	<0.005			
10/10/2015				0.00195 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			<0.01	
3/23/2016				
3/28/2016				
3/29/2016	<0.01			
3/30/2016				<0.01
3/31/2016				
4/4/2016				
4/5/2016				
7/29/2016				
8/1/2016	<0.01			
8/2/2016		<0.01	<0.01	
8/3/2016				
8/4/2016				
8/5/2016				<0.01
8/9/2016				
3/30/2017				
4/3/2017				
4/6/2017	<0.01	<0.01		<0.01
4/7/2017			<0.01	
4/10/2017				
4/11/2017				
4/12/2017				
10/2/2017				
10/3/2017	<0.01	<0.01	<0.01	<0.01
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.01			
3/20/2018		<0.01	<0.01	<0.01
3/21/2018				
3/22/2018				
3/23/2018				

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
9/17/2018	<0.01			
9/18/2018		<0.01	<0.01	<0.01 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.01	<0.01		<0.01
3/22/2019				
3/23/2019				
5/6/2019			<0.01	



# Time Series

Constituent: Zinc (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
8/21/2007			0.031	<0.0025	0.036	0.0064			
8/22/2007									
8/23/2007	0.066								0.016
8/24/2007							0.0036 (J)	0.052	
10/25/2007									0.061
11/1/2007			0.0041	<0.0025	0.0041	<0.0025			
11/2/2007	0.055						0.0026 (J)	0.01 (J)	
11/17/2007							0.024		
11/18/2007	0.13			<0.0025				0.025 (J)	
11/19/2007					0.015	0.015			0.053
11/20/2007			0.056						
1/15/2008							0.0074	0.055	
1/16/2008					0.074				
1/23/2008									0.14
1/30/2008			0.032	<0.0025					
1/31/2008	0.13					0.032			
3/5/2008				<0.0025	0.055	0.0061	0.075		
3/6/2008			0.03						
3/10/2008								0.018	
3/11/2008	0.07								0.13
5/7/2008				0.015			0.0088		
5/12/2008			0.008			0.012			0.11
5/13/2008					0.035			0.0044	
5/14/2008	0.12								
12/2/2008							0.11	0.065	
12/5/2008	0.088								
12/11/2008									0.04 (J)
12/12/2008		0.048 (J)							
12/13/2008			0.056		0.012 (J)	0.087			
12/14/2008				0.0086 (J)					
4/15/2009	0.068								0.11
4/16/2009					0.053		0.091		
4/23/2009		0.0075							
4/28/2009						0.067		0.0037 (J)	
4/29/2009			0.057	0.0037					
10/6/2009		0.0075							
10/8/2009	0.075								
10/9/2009									0.15
10/13/2009									
10/20/2009			0.0037				0.056	0.0043	
10/21/2009					0.0063	0.025			
10/22/2009				<0.0025					
4/20/2010							0.014		
4/21/2010				<0.0025					
4/26/2010			<0.0025						
4/27/2010		0.0051			0.045			<0.0025	
4/28/2010	0.071					0.014			
5/4/2010									0.077
9/28/2010				0.0042					
9/29/2010			0.012				0.015		
9/30/2010		0.0089							
10/5/2010					0.0047	0.012		0.0028	



# Time Series

Constituent: Zinc (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
10/4/2014	0.044 (V)								
3/30/2015		0.0032							
3/31/2015	0.12								0.05
4/1/2015				0.0017 (J)	0.0035	0.0082			
4/2/2015			0.0023 (J)						
4/3/2015							0.0015 (J)	0.0021 (J)	
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015								<0.0025	
10/7/2015							<0.0025		
10/8/2015									
10/9/2015									
10/10/2015			0.0024 (J)						
10/11/2015		0.0048		0.0016 (J)					
10/12/2015	0.053								0.048
10/14/2015					0.0066				
10/15/2015						0.0082			
3/22/2016									
3/23/2016	0.0532								
3/28/2016		0.00282 (J)							0.0534
3/29/2016									
3/30/2016									
3/31/2016			<0.01						
4/4/2016				<0.01	0.00858 (J)	0.00818 (J)			
4/5/2016							<0.01	0.00233 (J)	
7/29/2016	0.0446								
8/1/2016		<0.01 (*)							0.055
8/2/2016									
8/3/2016				<0.01 (*)	<0.0102 (*)				
8/4/2016						<0.01 (*)			
8/5/2016			<0.01 (*)						
8/9/2016							0.0016 (J)		
3/30/2017	0.0479								
4/3/2017									0.0436
4/6/2017									
4/7/2017		<0.01 (*)							
4/10/2017			<0.01	<0.01					
4/11/2017					<0.0104 (*)		<0.01 (*)	<0.01 (*)	
4/12/2017						<0.01 (*)			
10/2/2017		0.0015 (J)							
10/3/2017									0.0393
10/4/2017	0.0429		0.0012 (J)	0.0014 (J)	0.0104				
10/5/2017							0.0024 (J)		
10/6/2017								<0.01	
10/9/2017						<0.01			
3/16/2018		<0.01							
3/19/2018	<0.04								<0.034
3/20/2018			<0.01						
3/21/2018				<0.01		<0.01			
3/22/2018					0.014		<0.01		
3/23/2018								<0.01	



# Time Series

Constituent: Zinc (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
8/21/2007				
8/22/2007	0.04			
8/23/2007				0.011
8/24/2007				
10/25/2007	0.0062			
11/1/2007				0.012
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				0.026 (J)
11/20/2007	0.03			
1/15/2008				0.075
1/16/2008				
1/23/2008	0.048			
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				0.051
3/10/2008				
3/11/2008	0.016			
5/7/2008				
5/12/2008				
5/13/2008				0.0084
5/14/2008	0.02			
12/2/2008				
12/5/2008				
12/11/2008	0.021 (J)			
12/12/2008				0.077
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				0.064
4/23/2009	0.0058 (J)			
4/28/2009				
4/29/2009				
10/6/2009				
10/8/2009				
10/9/2009	0.055			
10/13/2009				0.013
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				0.0035
4/26/2010				
4/27/2010				
4/28/2010				
5/4/2010	0.045			
9/28/2010				
9/29/2010				0.0085
9/30/2010				
10/5/2010				

# Time Series

Constituent: Zinc (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/6/2010				
10/11/2010	0.015			
10/12/2010				
4/12/2011				
4/13/2011				0.0028
4/14/2011				
4/19/2011				
4/21/2011				
4/26/2011	0.0067			
4/28/2011				
10/4/2011				
10/5/2011				0.0038
10/12/2011				
10/13/2011				
10/18/2011	0.0055			
10/19/2011				
4/3/2012				
4/4/2012				0.0126
4/11/2012				
4/24/2012				
4/25/2012				
5/1/2012				
5/2/2012	<0.01			
10/2/2012				
10/3/2012				
10/8/2012	0.0043			0.0043
10/9/2012				
10/10/2012				
4/2/2013				
4/3/2013				
4/8/2013				0.0068
4/9/2013				
4/10/2013	0.0067			
4/11/2013				
4/15/2013				
4/16/2013				
10/8/2013	0.0091			
10/9/2013				0.0082
10/15/2013				
10/16/2013				
10/22/2013				
4/1/2014				
4/2/2014				
4/9/2014				0.0043
4/10/2014				
4/14/2014	0.0063			
4/21/2014				
4/23/2014				
9/30/2014				0.0029
10/1/2014				
10/2/2014				
10/3/2014	0.0065 (V)			

# Time Series

Constituent: Zinc (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
10/4/2014				
3/30/2015				
3/31/2015				
4/1/2015	0.0059			
4/2/2015				0.0056
4/3/2015				
5/26/2015			0.0017 (J)	
6/18/2015			0.0052 (D)	
7/2/2015			0.0027	
10/6/2015				
10/7/2015				
10/8/2015			<0.0025	
10/9/2015	<0.0025			
10/10/2015				0.0065 (D)
10/11/2015				
10/12/2015				
10/14/2015				
10/15/2015				
3/22/2016			0.00302 (J)	
3/23/2016				
3/28/2016				
3/29/2016	<0.01			
3/30/2016				0.00388 (J)
3/31/2016				
4/4/2016				
4/5/2016				
7/29/2016				
8/1/2016	<0.01			
8/2/2016		<0.01 (*)	<0.01 (*)	
8/3/2016				
8/4/2016				
8/5/2016				<0.01 (*)
8/9/2016				
3/30/2017				
4/3/2017				
4/6/2017	<0.01 (*)	<0.01 (*)		<0.01 (*)
4/7/2017			<0.01 (*)	
4/10/2017				
4/11/2017				
4/12/2017				
10/2/2017				
10/3/2017	<0.01	<0.01	0.0022 (J)	0.0023 (J)
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.01			
3/20/2018		<0.01	<0.01	<0.01
3/21/2018				
3/22/2018				
3/23/2018				

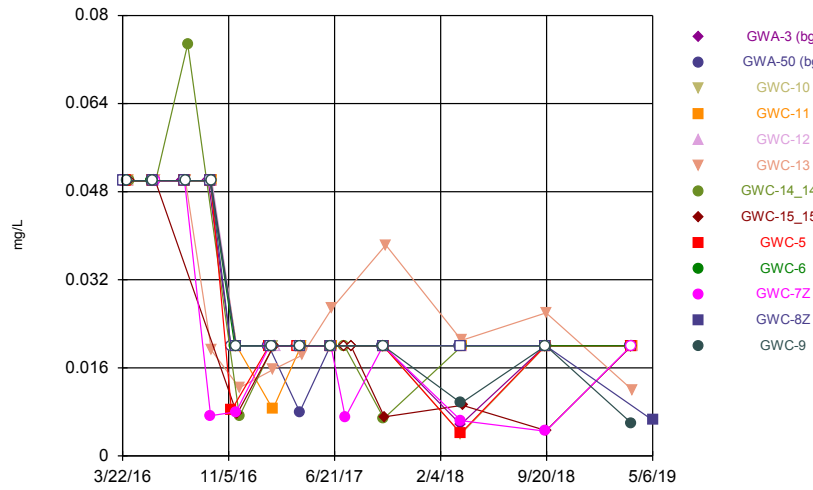
# Time Series

Constituent: Zinc (mg/L) Analysis Run 5/20/2019 2:55 PM View: cells 1&2 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
9/17/2018	<0.01			
9/18/2018		<0.01	<0.01	<0.01 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.01	<0.01		0.0024 (J)
3/22/2019				
3/23/2019				
5/6/2019			0.0024 (J)	

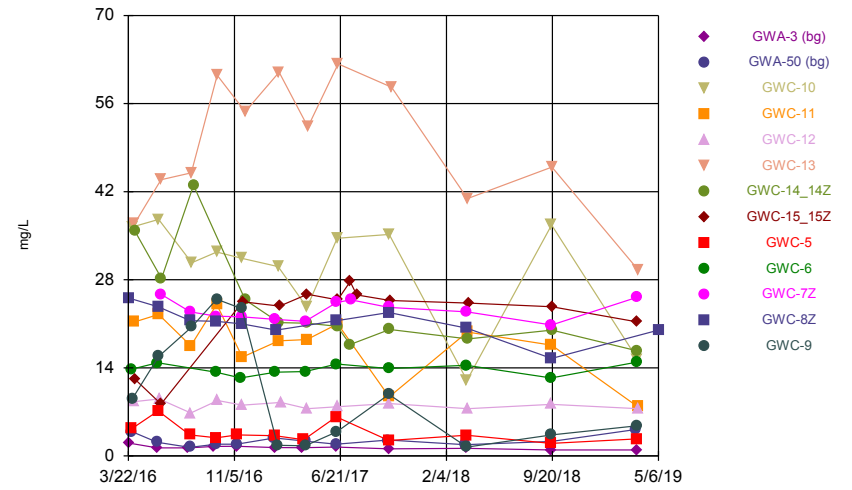


Time Series



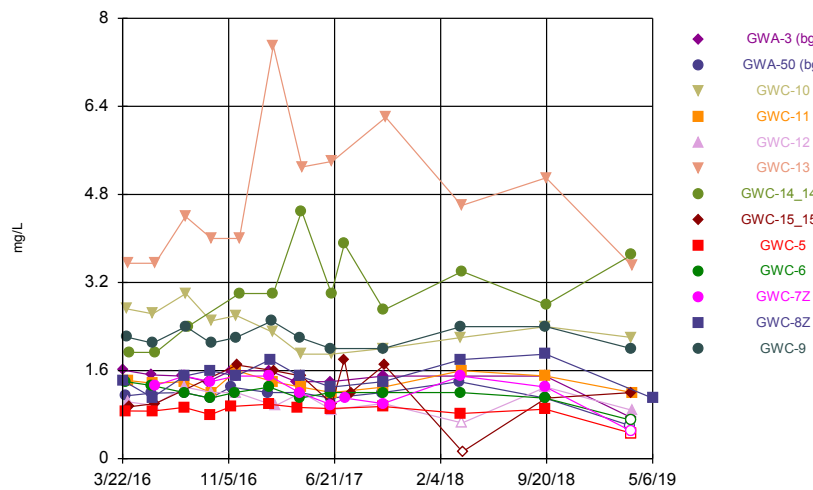
Constituent: Boron Analysis Run 5/20/2019 2:57 PM View: cells 1&2 apIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



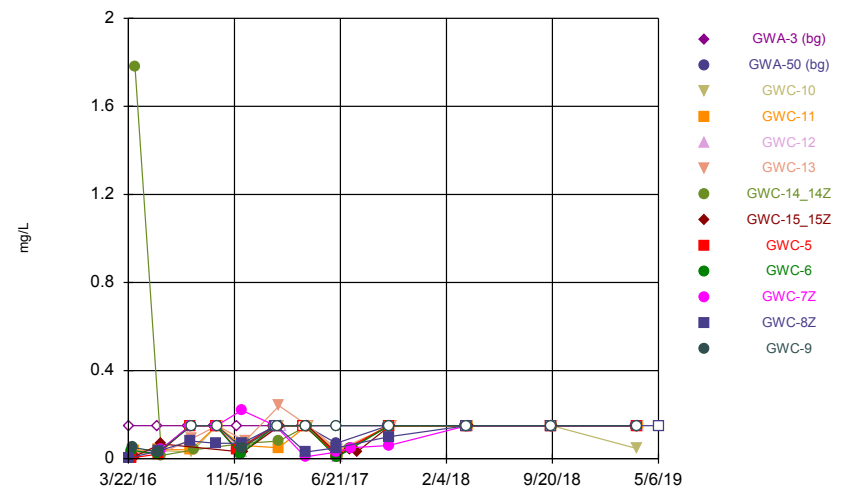
Constituent: Calcium Analysis Run 5/20/2019 2:58 PM View: cells 1&2 apIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Chloride Analysis Run 5/20/2019 2:58 PM View: cells 1&2 apIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Fluoride Analysis Run 5/20/2019 2:58 PM View: cells 1&2 apIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

# Time Series

Constituent: Boron (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 applll overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
3/22/2016									
3/23/2016	<0.1								
3/28/2016		<0.1							<0.1
3/29/2016									
3/30/2016									
3/31/2016			<0.1						
4/4/2016				<0.1	<0.1	<0.1			
4/5/2016							<0.1	<0.1	
5/23/2016	<0.1	<0.1							
5/24/2016									
5/25/2016									<0.1
5/26/2016			<0.1	<0.1					
5/27/2016					<0.1				
5/31/2016						<0.1		<0.1	
6/1/2016							<0.1		
7/29/2016	<0.1 (*)								
8/1/2016		<0.1 (*)							<0.1 (*)
8/2/2016									
8/3/2016				<0.1 (*)	<0.1				
8/4/2016						<0.1 (*)			
8/5/2016			<0.1						
8/9/2016							0.0748 (D)		
9/22/2016	<0.1								
9/26/2016		<0.1							
9/27/2016									<0.1
9/28/2016			<0.1	<0.1					
9/29/2016						0.0192 (J)			
9/30/2016					<0.1				
11/10/2016	<0.04	<0.04 (*)							
11/11/2016									0.0083 (J)
11/18/2016									
11/21/2016									
11/22/2016			<0.04	<0.04	<0.04				
11/23/2016								0.0076 (J)	
11/28/2016						0.0124 (J)	0.0072 (J)		
1/30/2017		<0.04							
1/31/2017	<0.04								<0.04
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017			<0.04						
2/8/2017				0.0085 (J)					
2/9/2017						0.0157 (J)	<0.04		
2/10/2017								<0.04	
2/13/2017					<0.04				
3/30/2017	<0.04								
4/3/2017									<0.04
4/6/2017									
4/7/2017		0.008 (J)							
4/10/2017			<0.04	<0.04					
4/11/2017					<0.04		<0.04	<0.04	
4/12/2017						0.0183 (J)			



# Time Series

Constituent: Boron (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
3/22/2016			<0.1	
3/23/2016				
3/28/2016				
3/29/2016	<0.1			
3/30/2016				<0.1
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	<0.1			
5/25/2016			<0.1	
5/26/2016				<0.1
5/27/2016				
5/31/2016		<0.1		
6/1/2016				
7/29/2016				
8/1/2016	<0.1			
8/2/2016		<0.1 (*)	<0.1 (*)	
8/3/2016				
8/4/2016				
8/5/2016				<0.1
8/9/2016				
9/22/2016				
9/26/2016	<0.1		<0.1	
9/27/2016		0.0073 (J)		
9/28/2016				<0.1
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	<0.04			
11/21/2016		0.008 (J)	<0.04	<0.04
11/22/2016				
11/23/2016				
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	<0.04	<0.04		
2/3/2017			<0.04	
2/6/2017				<0.04
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	<0.04	<0.04		<0.04
4/7/2017			<0.04	
4/10/2017				
4/11/2017				
4/12/2017				

# Time Series

Constituent: Boron (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 applll overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
6/12/2017				
6/13/2017	<0.04	<0.04	<0.04	<0.04
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		0.007 (J)		
7/26/2017				
10/2/2017				
10/3/2017	<0.04	<0.04	<0.04	<0.04
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.04			
3/20/2018		0.0064 (J)	<0.04	0.0096 (J)
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	<0.04			
9/18/2018		0.0045 (J)	<0.04	<0.04 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.04	<0.04		0.006 (J)
3/22/2019				
3/23/2019				
5/6/2019			0.0065 (J)	

# Time Series

Constituent: Calcium (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appIII overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
3/22/2016									
3/23/2016	2.05								
3/28/2016		3.89							4.29
3/29/2016									
3/30/2016									
3/31/2016			36.4						
4/4/2016				21.3	8.63	36.9			
4/5/2016							35.7	12.2	
5/23/2016	1.29	2.16							
5/24/2016									
5/25/2016									7.15
5/26/2016			37.6	22.5					
5/27/2016					9.07				
5/31/2016						43.9		8.24	
6/1/2016							28.2		
7/29/2016	1.29								
8/1/2016		1.37							3.35
8/2/2016									
8/3/2016				17.5	6.82				
8/4/2016						45			
8/5/2016			30.7						
8/9/2016							43		
9/22/2016	1.51								
9/26/2016		1.86							
9/27/2016									2.89
9/28/2016			32.4	24.1					
9/29/2016						60.5			
9/30/2016					8.8				
11/10/2016	1.54	1.86							
11/11/2016									3.33
11/18/2016									
11/21/2016									
11/22/2016			31.4	15.7	8.08				
11/23/2016								24.5	
11/28/2016						54.7	24.8		
1/30/2017		2.86							
1/31/2017	1.34								3.21
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017			30.1						
2/8/2017				18.3					
2/9/2017						61	21.2		
2/10/2017								23.8	
2/13/2017					8.51				
3/30/2017	1.31								
4/3/2017									2.57
4/6/2017									
4/7/2017		2.34							
4/10/2017			23.6	18.5					
4/11/2017					7.5		21.1	25.7	
4/12/2017						52.3			



# Time Series

Constituent: Calcium (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appIII overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
3/22/2016			25.1	
3/23/2016				
3/28/2016				
3/29/2016	13.8			
3/30/2016				9.07
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	14.8			
5/25/2016			23.7	
5/26/2016				15.8
5/27/2016				
5/31/2016		25.7		
6/1/2016				
7/29/2016				
8/1/2016				
8/2/2016		22.9	21.5	
8/3/2016				
8/4/2016				
8/5/2016				20.5
8/9/2016				
9/22/2016				
9/26/2016	13.3		21.4	
9/27/2016		22.2		
9/28/2016				24.9
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	12.4			
11/21/2016		22.1	21	23.4
11/22/2016				
11/23/2016				
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	13.3	21.7		
2/3/2017			20	
2/6/2017				1.7
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	13.4	21.4		1.6
4/7/2017				
4/10/2017				
4/11/2017				
4/12/2017				



# Time Series

Constituent: Calcium (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appll overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
6/12/2017				
6/13/2017	14.6	24.4	21.5	3.82
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		24.8		
7/26/2017				
10/2/2017				
10/3/2017	13.9	23.6	22.8	9.77
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	14.4 (J)			
3/20/2018		22.9 (J)	20.3 (J)	1.4
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	12.4 (J)			
9/18/2018		20.8 (J)	15.5 (J)	3.35 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	14.9 (J)	25.2		4.8
3/22/2019				
3/23/2019				
5/6/2019			20 (J)	

# Time Series

Constituent: Chloride (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appll overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
3/22/2016									
3/23/2016	1.6092								
3/28/2016		1.14							0.8659
3/29/2016									
3/30/2016									
3/31/2016			2.72						
4/4/2016				1.42	1.03	3.55			
4/5/2016							1.93	0.9439	
5/23/2016	1.52	1.19							
5/24/2016									
5/25/2016									0.8639
5/26/2016			2.63	1.37					
5/27/2016					0.9684				
5/31/2016						3.55		1	
6/1/2016							1.93		
7/29/2016	1.5								
8/1/2016		1.2							0.93
8/2/2016									
8/3/2016				1.4	1.3				
8/4/2016						4.4			
8/5/2016			3						
8/9/2016							2.4		
9/22/2016	1.4								
9/26/2016		1.1							
9/27/2016									0.8
9/28/2016			2.5	1.2					
9/29/2016						4			
9/30/2016					1.2				
11/10/2016	1.6	1.3							
11/11/2016									0.95
11/18/2016									
11/21/2016									
11/22/2016			2.6	1.6	1.2				
11/23/2016								1.7	
11/28/2016						4	3		
1/30/2017		1.2							
1/31/2017	1.6								0.99
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017			2.3						
2/8/2017				1.4					
2/9/2017						7.5	3		
2/10/2017								1.6	
2/13/2017					0.96				
3/30/2017	1.4								
4/3/2017									0.93
4/6/2017									
4/7/2017		1.2							
4/10/2017			1.9	1.3					
4/11/2017					1.2		4.5	1.5	
4/12/2017						5.3			



# Time Series

Constituent: Chloride (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
3/22/2016			1.4231	
3/23/2016				
3/28/2016				
3/29/2016	1.3977			
3/30/2016				2.21
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	1.33			
5/25/2016			1.11	
5/26/2016				2.1
5/27/2016				
5/31/2016		1.33		
6/1/2016				
7/29/2016				
8/1/2016	1.2			
8/2/2016		1.5	1.5	
8/3/2016				
8/4/2016				
8/5/2016				2.4
8/9/2016				
9/22/2016				
9/26/2016	1.1		1.6	
9/27/2016		1.4		
9/28/2016				2.1
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	1.2			
11/21/2016		1.5	1.5	2.2
11/22/2016				
11/23/2016				
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	1.3	1.5		
2/3/2017			1.8	
2/6/2017				2.5
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	1.1	1.2		2.2
4/7/2017			1.5	
4/10/2017				
4/11/2017				
4/12/2017				

# Time Series

Constituent: Chloride (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appll overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
6/12/2017				
6/13/2017	1.2	0.98	1.3	2
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		1.1		
7/26/2017				
10/2/2017				
10/3/2017	1.2	1	1.4	2
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	1.2			
3/20/2018		1.5	1.8	2.4
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	1.1			
9/18/2018		1.3	1.9	2.4 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<1.4	<1		2
3/22/2019				
3/23/2019				
5/6/2019			1.1	

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appIII overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
3/22/2016									
3/23/2016	<0.3								
3/28/2016		0.0314 (J)							0.00421 (J)
3/29/2016									
3/30/2016									
3/31/2016			0.0389 (J)						
4/4/2016				0.0357 (J)	0.035 (J)	0.026 (J)			
4/5/2016							1.78243 (J)	0.011 (J)	
5/23/2016	<0.3	0.027 (J)							
5/24/2016									
5/25/2016									0.0207 (J)
5/26/2016			0.0375 (J)	0.042 (J)					
5/27/2016					0.032 (J)				
5/31/2016						0.0234 (J)		0.0669 (J)	
6/1/2016							0.0148 (J)		
7/29/2016	<0.3								
8/1/2016		<0.3							<0.3
8/2/2016									
8/3/2016				0.04 (J)	<0.3				
8/4/2016						0.09 (J)			
8/5/2016			0.03 (J)						
8/9/2016							0.04 (J)		
9/22/2016	<0.3								
9/26/2016		<0.3							
9/27/2016									<0.3
9/28/2016			<0.3	<0.3					
9/29/2016						<0.3			
9/30/2016					<0.3				
11/10/2016	<0.3	0.04 (J)							
11/11/2016									0.04 (J)
11/18/2016									
11/21/2016									
11/22/2016			0.04 (J)	0.06 (J)	0.03 (J)				
11/23/2016								0.03 (J)	
11/28/2016						0.08 (J)	0.07 (J)		
1/30/2017		<0.3							
1/31/2017	<0.3								<0.3
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017			<0.3						
2/8/2017				0.05 (J)					
2/9/2017						0.24 (J)	0.08 (J)		
2/10/2017								<0.3	
2/13/2017					<0.3				
3/30/2017	<0.3								
4/3/2017									<0.3
4/6/2017									
4/7/2017		<0.3							
4/10/2017			<0.3	<0.3					
4/11/2017					<0.3		<0.3	<0.3	
4/12/2017						<0.3			



# Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appIII overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
3/22/2016			0.00323 (J)	
3/23/2016				
3/28/2016				
3/29/2016	0.0376 (J)			
3/30/2016				0.0518 (J)
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	0.023 (J)			
5/25/2016			0.0345 (J)	
5/26/2016				0.0307 (J)
5/27/2016				
5/31/2016		0.043 (J)		
6/1/2016				
7/29/2016				
8/1/2016	<0.3			
8/2/2016		<0.3	0.08 (J)	
8/3/2016				
8/4/2016				
8/5/2016				<0.3
8/9/2016				
9/22/2016				
9/26/2016	<0.3		0.07 (J)	
9/27/2016		<0.3		
9/28/2016				<0.3
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	0.02 (J)			
11/21/2016		0.22 (J)	0.07 (J)	0.05 (J)
11/22/2016				
11/23/2016				
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	<0.3	<0.3		
2/3/2017			<0.3	
2/6/2017				<0.3
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	<0.3	0.008 (J)		<0.3
4/7/2017			0.03 (J)	
4/10/2017				
4/11/2017				
4/12/2017				

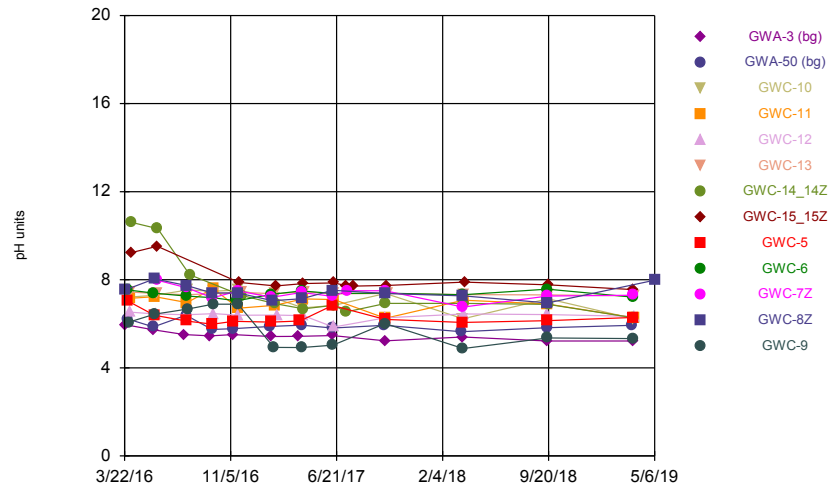


# Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appll overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

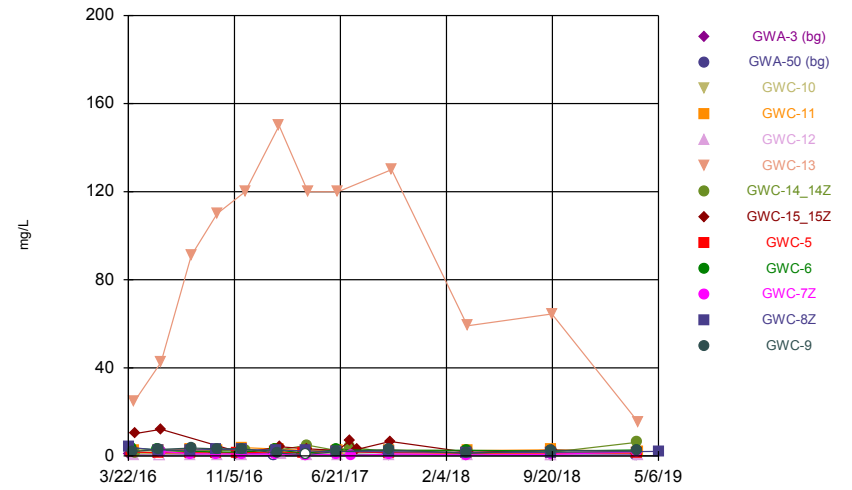
	GWC-6	GWC-7Z	GWC-8Z	GWC-9
6/12/2017				
6/13/2017	0.006 (J)	0.03 (J)	0.05 (J)	<0.3
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		0.05 (J)		
7/26/2017				
10/2/2017				
10/3/2017	<0.3	0.06 (J)	0.1 (J)	<0.3
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	<0.3			
3/20/2018		<0.3	<0.3	<0.3
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	<0.3			
9/18/2018		<0.3	<0.3	<0.3 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	<0.3	<0.3		<0.3
3/22/2019				
3/23/2019				
5/6/2019			<0.3	

Time Series



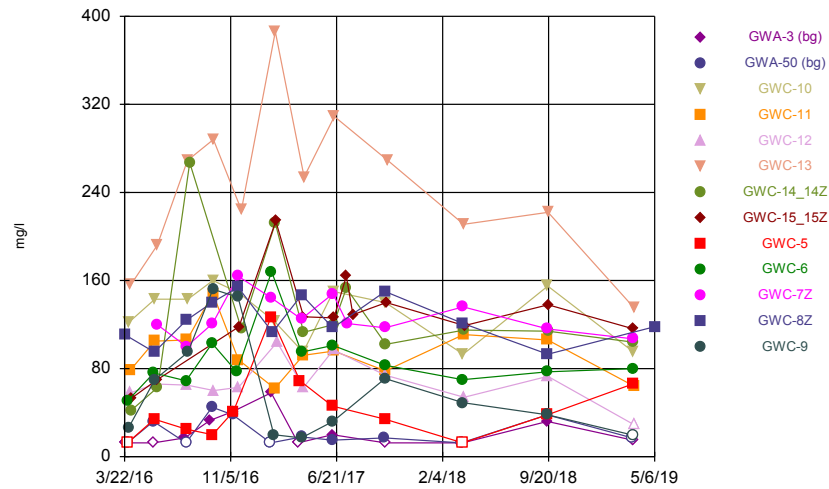
Constituent: pH Analysis Run 5/20/2019 2:58 PM View: cells 1&2 applIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Sulfate Analysis Run 5/20/2019 2:58 PM View: cells 1&2 applIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 5/20/2019 2:58 PM View: cells 1&2 applIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

# Time Series

Constituent: pH (pH units) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 applll overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
3/22/2016									
3/23/2016	5.96								
3/28/2016		6.22							7.04
3/29/2016									
3/30/2016									
3/31/2016			7.21						
4/4/2016				7.16	6.53 (D)	7.44 (D)			
4/5/2016							10.61	9.23	
5/23/2016	5.73	5.86							
5/24/2016									
5/25/2016									6.39
5/26/2016			7.3	7.23					
5/27/2016					6.45				
5/31/2016						7.37		9.52	
6/1/2016							10.32		
7/29/2016	5.51								
8/1/2016		6.39							6.13
8/2/2016									
8/3/2016				6.96	6.41				
8/4/2016						7.32			
8/5/2016			7.54						
8/9/2016							8.23		
9/22/2016	5.45								
9/26/2016		5.74							
9/27/2016									5.98
9/28/2016			7.48	7.6					
9/29/2016						7.38			
9/30/2016					6.46				
11/10/2016	5.51	5.78							
11/11/2016									6.11
11/18/2016									
11/21/2016									
11/22/2016			7.54	6.71	6.39				
11/23/2016								7.88	
11/28/2016						7.43	7.29		
1/30/2017		5.88							
1/31/2017	5.42								6.08
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017			7.17						
2/8/2017				6.84					
2/9/2017						7.36	6.91		
2/10/2017								7.72	
2/13/2017					6.4				
3/30/2017	5.43								
4/3/2017									6.13
4/6/2017									
4/7/2017		5.94							
4/10/2017			6.72	7.13					
4/11/2017					6.37		6.68	7.83	
4/12/2017						7.46			



# Time Series

Constituent: pH (pH units) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
3/22/2016			7.53 (D)	
3/23/2016				
3/28/2016				
3/29/2016	7.54			
3/30/2016				6.07
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	7.39			
5/25/2016			8.04	
5/26/2016				6.44
5/27/2016				
5/31/2016		7.98		
6/1/2016				
7/29/2016				
8/1/2016	7.26			
8/2/2016		7.64	7.74	
8/3/2016				
8/4/2016				
8/5/2016				6.67
8/9/2016				
9/22/2016				
9/26/2016	7.19		7.4	
9/27/2016		7.18		
9/28/2016				6.89
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	7.04			
11/21/2016		7.49	7.4	6.89
11/22/2016				
11/23/2016				
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	7.34	7.2		
2/3/2017			7.05	
2/6/2017				4.93
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	7.49	7.42		4.92
4/7/2017			7.14	
4/10/2017				
4/11/2017				
4/12/2017				

# Time Series

Constituent: pH (pH units) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 applll overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
6/12/2017				
6/13/2017	7.38	7.25	7.52	5.03
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		7.5		
7/26/2017				
10/2/2017				
10/3/2017	7.39	7.5	7.38	6.01
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	7.32			
3/20/2018		6.76	7.27	4.88
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	7.57			
9/18/2018		7.26	6.95	5.36 (D)
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	7.21	7.3		5.33
3/22/2019				
3/23/2019				
5/6/2019			7.98	

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appll overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
3/22/2016									
3/23/2016	0.8724 (J)								
3/28/2016		0.7283 (J)							1.87
3/29/2016									
3/30/2016									
3/31/2016			1.17						
4/4/2016				2.57	0.3574 (J)	24.8			
4/5/2016							1.65	10.1	
5/23/2016	0.805 (J)	0.728 (J)							
5/24/2016									
5/25/2016									1.41
5/26/2016			1.01	2.5					
5/27/2016					<1				
5/31/2016						42.5		12.1	
6/1/2016							1.75		
7/29/2016	0.84 (J)								
8/1/2016		0.78 (J)							1.5
8/2/2016									
8/3/2016				3	0.35 (J)				
8/4/2016						91			
8/5/2016			1.1						
9/22/2016	0.94 (J)								
9/26/2016		0.82 (J)							
9/27/2016									1.4
9/28/2016			1	2.3					
9/29/2016						110			
9/30/2016					0.47 (J)				
11/10/2016	1.1	0.92 (J)							
11/11/2016									1.5
11/18/2016									
11/21/2016									
11/22/2016			1.8	3.8	0.36 (J)				
11/23/2016								1.3	
11/28/2016						120	2.7		
1/30/2017		<1 (*)							
1/31/2017	0.92 (J)								1.8
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017			1.7						
2/8/2017				3.1					
2/9/2017						150	2.7		
2/10/2017								4.2	
2/13/2017					0.79 (J)				
3/30/2017	0.77 (J)								
4/3/2017									1.5
4/6/2017									
4/7/2017		0.82 (J)							
4/10/2017			1.9	2.5					
4/11/2017					0.42 (J)		4.9	3.2	
4/12/2017						120			
6/12/2017	0.68 (J)	0.78 (J)							2.1





# Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
3/22/2016			3.9321	
3/23/2016				
3/28/2016				
3/29/2016	3.5801			
3/30/2016				2
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	2.79			
5/25/2016			2.68	
5/26/2016				2.93
5/27/2016				
5/31/2016		2.03		
6/1/2016				
7/29/2016				
8/1/2016	2.2			
8/2/2016		0.96 (J)	2.7	
8/3/2016				
8/4/2016				
8/5/2016				3.6
9/22/2016				
9/26/2016	1.8		2.9	
9/27/2016		0.87 (J)		
9/28/2016				3.2
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	1.8			
11/21/2016		0.93 (J)	2.8	3.3
11/22/2016				
11/23/2016				
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	2.8	0.76 (J)		
2/3/2017			2.7	
2/6/2017				1.3
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	<2.5 (*)	<1 (*)		<1.2 (*)
4/7/2017			2.3	
4/10/2017				
4/11/2017				
4/12/2017				
6/12/2017				

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appll overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-6	GWC-7Z	GWC-8Z	GWC-9
6/13/2017	2.8	0.58 (J)	2	2
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		0.04 (J)		
7/26/2017				
10/2/2017				
10/3/2017	2.6	0.87 (J)	1.9	2.8
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	2.6			
3/20/2018		0.5 (J)	1.6	1.2
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	2.2			
9/18/2018		0.65 (J)	1.6	2.6
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	2.7	1.9		2.3
3/22/2019				
3/23/2019				
5/6/2019			2.1	

# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appll overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-5
3/22/2016									
3/23/2016	<25								
3/28/2016		<25							<25
3/29/2016									
3/30/2016									
3/31/2016			122						
4/4/2016				79	58	156			
4/5/2016							42	53	
5/23/2016	<25	32							
5/24/2016									
5/25/2016									34
5/26/2016			143	105					
5/27/2016					66				
5/31/2016						192		70	
6/1/2016							63		
7/29/2016	17 (J)								
8/1/2016		<25							25
8/2/2016									
8/3/2016				106	65				
8/4/2016						269			
8/5/2016			143						
8/9/2016							267		
9/22/2016	33								
9/26/2016		45							
9/27/2016									20 (J)
9/28/2016			160	148					
9/29/2016						288			
9/30/2016					60				
11/10/2016	41	38							
11/11/2016									41
11/18/2016									
11/21/2016									
11/22/2016			149	88	63				
11/23/2016								118	
11/28/2016						224	116		
1/30/2017		<25							
1/31/2017	58								127
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017			123						
2/8/2017				62					
2/9/2017						386	212 (J)		
2/10/2017								214	
2/13/2017					104 (J)				
3/30/2017	<25								
4/3/2017									69
4/6/2017									
4/7/2017		18 (J)							
4/10/2017			95	92					
4/11/2017					63		113	127	
4/12/2017						254			



# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

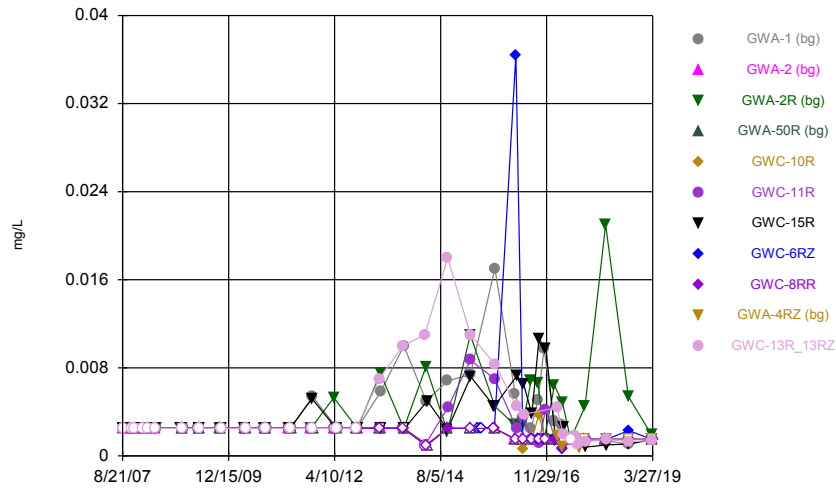
	GWC-6	GWC-7Z	GWC-8Z	GWC-9
3/22/2016			111	
3/23/2016				
3/28/2016				
3/29/2016	51			
3/30/2016				26
3/31/2016				
4/4/2016				
4/5/2016				
5/23/2016				
5/24/2016	76			
5/25/2016			95	
5/26/2016				70
5/27/2016				
5/31/2016		120		
6/1/2016				
7/29/2016				
8/1/2016	69			
8/2/2016		100	124	
8/3/2016				
8/4/2016				
8/5/2016				95
8/9/2016				
9/22/2016				
9/26/2016	103		140	
9/27/2016		121		
9/28/2016				152
9/29/2016				
9/30/2016				
11/10/2016				
11/11/2016				
11/18/2016	77			
11/21/2016		164	154	145
11/22/2016				
11/23/2016				
11/28/2016				
1/30/2017				
1/31/2017				
2/1/2017	168	144		
2/3/2017			113	
2/6/2017				20 (J)
2/7/2017				
2/8/2017				
2/9/2017				
2/10/2017				
2/13/2017				
3/30/2017				
4/3/2017				
4/6/2017	95	125		17 (J)
4/7/2017			147	
4/10/2017				
4/11/2017				
4/12/2017				

# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 5/20/2019 3:01 PM View: cells 1&2 appIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

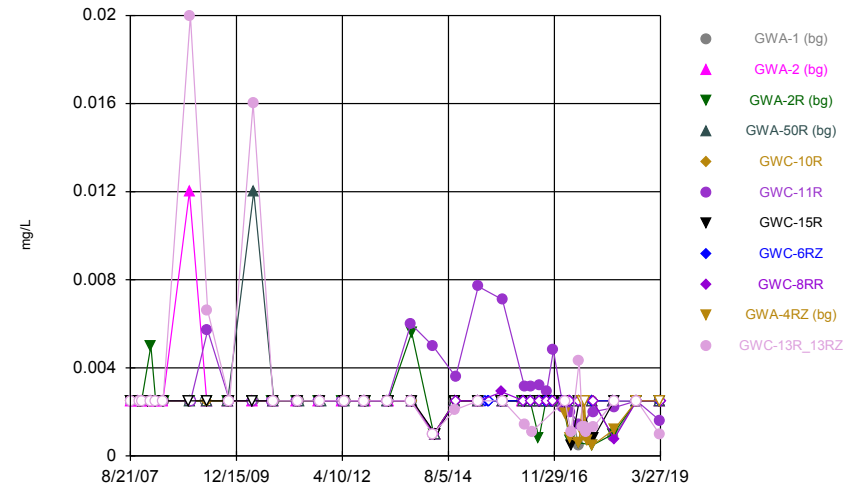
	GWC-6	GWC-7Z	GWC-8Z	GWC-9
6/12/2017				
6/13/2017	101	148	117	32
6/14/2017				
6/15/2017				
6/16/2017				
7/12/2017				
7/14/2017		121		
7/26/2017				
10/2/2017				
10/3/2017	83	117	150	71
10/4/2017				
10/5/2017				
10/6/2017				
10/9/2017				
3/16/2018				
3/19/2018	70			
3/20/2018		136	121	49
3/21/2018				
3/22/2018				
3/23/2018				
9/17/2018	77			
9/18/2018		116	93	38
9/19/2018				
3/19/2019				
3/20/2019				
3/21/2019	80	107		<39
3/22/2019				
3/23/2019				
5/6/2019			118	

Time Series



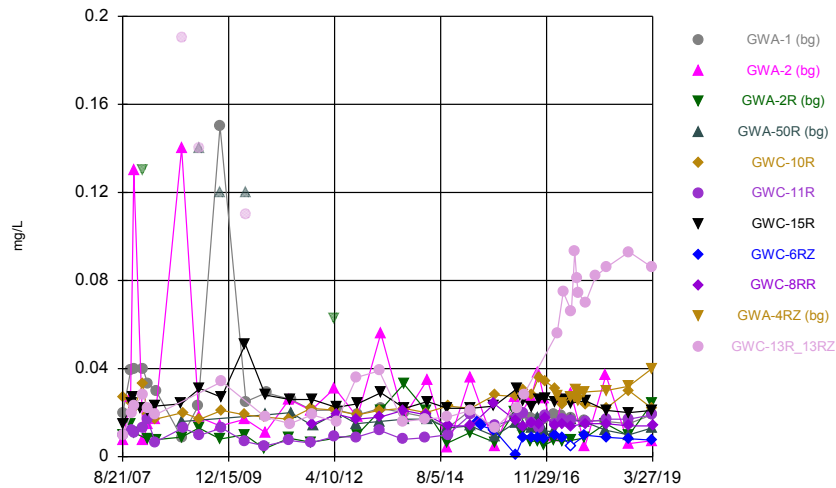
Constituent: Antimony Analysis Run 4/29/2019 4:18 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



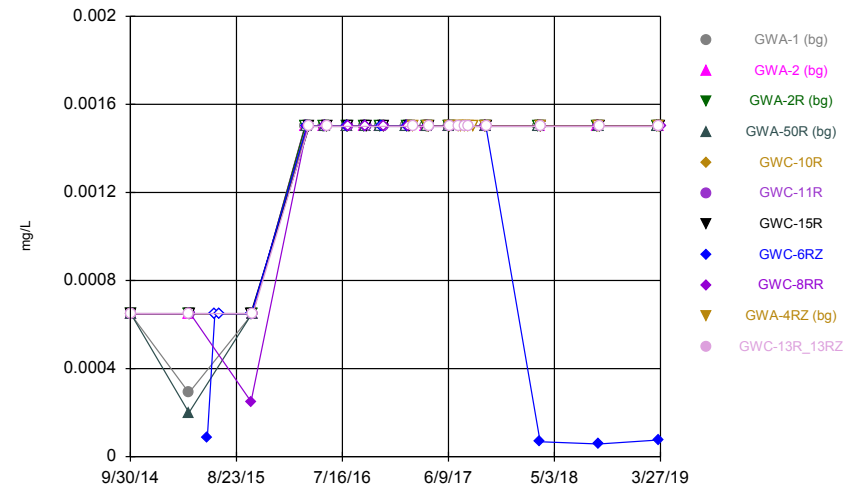
Constituent: Arsenic Analysis Run 4/29/2019 4:18 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Barium Analysis Run 4/29/2019 4:18 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Beryllium Analysis Run 4/29/2019 4:19 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR







# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
10/9/2015								<0.005	
10/11/2015				<0.005		0.007			
10/12/2015					<0.005				
10/13/2015	0.017	<0.005	0.0045 (J)						
10/14/2015									
3/22/2016	0.00567								
3/23/2016		<0.003	0.00281 (J)						
3/28/2016				<0.003					
3/29/2016								0.0364 (J)	
3/30/2016									<0.003
3/31/2016					<0.003				
4/4/2016						0.00252 (J)			
4/5/2016							0.00727		
5/19/2016	0.00319		0.00264 (J)						
5/20/2016		<0.003							
5/24/2016								<0.003	<0.003
5/25/2016				<0.003					
5/26/2016					0.000659 (J)	0.00351			
5/31/2016							0.00649		
6/1/2016									
7/29/2016	0.0025 (J)	<0.003	0.0069						
8/1/2016				<0.003 (*)				<0.003 (*)	
8/2/2016									<0.003 (*)
8/3/2016					<0.003 (*)				
8/4/2016						<0.003 (*)	0.0038		
9/22/2016			0.0066						
9/23/2016	0.0051	<0.003							
9/26/2016				<0.003				<0.003	
9/27/2016									<0.003
9/28/2016					0.0037	0.0012 (J)			
9/29/2016							0.0106		
11/9/2016	0.0097 (J)	<0.003 (*)							
11/10/2016			<0.003 (*)						
11/11/2016				<0.003					
11/14/2016								<0.003	
11/22/2016					<0.003	0.0042			<0.003
11/23/2016							0.0098		
1/30/2017	0.0032			<0.003					
1/31/2017		<0.003	0.0064						
2/1/2017								<0.003	
2/6/2017									0.0015 (J)
2/7/2017					<0.003				
2/8/2017						<0.003			
2/10/2017							0.0014 (J)		
2/22/2017									
3/30/2017	0.0028 (J)	<0.003							
4/3/2017			0.0049	<0.003					
4/6/2017								0.0006 (J)	0.0007 (J)
4/7/2017									
4/10/2017					<0.003	<0.003			
4/11/2017									
4/12/2017							0.0026 (J)		



# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		<0.005
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		<0.005
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		<0.005
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		<0.005
3/5/2008		<0.005
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		<0.005
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		<0.005
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		<0.005
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		<0.005
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		<0.005
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		<0.005
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		<0.005

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		<0.005
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		<0.005
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		<0.005
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		0.007
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		0.01
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		0.011
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		0.018
10/2/2014		
3/30/2015		
3/31/2015		0.011
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
10/7/2015		
10/8/2015		

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		0.0083
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		0.00447
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		0.00377
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	0.0018 (J)	0.0044
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	0.0008 (J)	
4/10/2017		
4/11/2017		0.0019 (J)
4/12/2017		

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	<0.003 (*)	
6/15/2017		
6/16/2017		<0.003 (*)
7/12/2017	0.0015 (J)	0.0018 (J)
7/20/2017	<0.003	
7/28/2017	<0.003	0.0011 (J)
8/9/2017	<0.003	
8/10/2017		0.0012 (J)
8/24/2017	0.0007 (J)	
10/2/2017		
10/3/2017	<0.003	
10/4/2017		
10/6/2017		0.0013 (J)
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	<0.003	
3/22/2018		
3/23/2018		0.0015 (J)
9/14/2018		
9/17/2018		
9/18/2018	<0.003	
9/19/2018		
9/20/2018		0.0013 (J)
3/19/2019		
3/20/2019		
3/21/2019	<0.003	
3/22/2019		0.0014 (J)
3/23/2019		
3/25/2019		
3/27/2019		







# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
10/9/2015								<0.005	
10/11/2015				<0.005		0.0071			
10/12/2015					<0.005				
10/13/2015	<0.005	<0.005	<0.005						
10/14/2015									
3/22/2016	<0.005								
3/23/2016		<0.005	<0.005						
3/28/2016				<0.005					
3/29/2016								<0.005	
3/30/2016									<0.005
3/31/2016					<0.005				
4/4/2016						0.00315 (J)			
4/5/2016							<0.005		
5/19/2016	<0.005		<0.005						
5/20/2016		<0.005							
5/24/2016								<0.005	<0.005
5/25/2016				<0.005					
5/26/2016					<0.005	0.00313 (J)			
5/31/2016							<0.005		
6/1/2016									
7/29/2016	<0.005	<0.005	0.0008 (J)						
8/1/2016				<0.005				<0.005	
8/2/2016									<0.005
8/3/2016					<0.005				
8/4/2016						0.0032 (J)	<0.005		
9/22/2016			<0.005						
9/23/2016	<0.005	<0.005							
9/26/2016				<0.005				<0.005	
9/27/2016									<0.005
9/28/2016					<0.005	0.0029 (J)			
9/29/2016							<0.005		
11/9/2016	<0.005	<0.005							
11/10/2016			<0.005						
11/11/2016				<0.005					
11/14/2016								<0.005	
11/22/2016					<0.005	0.0048 (J)			<0.005
11/23/2016							<0.005		
1/30/2017	<0.005			<0.005					
1/31/2017		<0.005	<0.005						
2/1/2017								<0.005	
2/6/2017									<0.005
2/7/2017					<0.005				
2/8/2017						0.0022 (J)			
2/10/2017							<0.005		
2/22/2017									
3/30/2017	<0.005	<0.005							
4/3/2017			0.0007 (J)	<0.005					
4/6/2017								<0.005	<0.005
4/7/2017									
4/10/2017					<0.005	0.002 (J)			
4/11/2017									
4/12/2017							0.0005 (J)		



# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		<0.005
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		<0.005
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		<0.005
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		<0.005
3/5/2008		<0.005
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		<0.005
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		0.02
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		0.0066
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		<0.005
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		0.016
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		<0.005
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		<0.005

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		<0.005
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		<0.005
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		<0.005
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		<0.005
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		<0.005
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		<0.002
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		0.0021 (J)
10/2/2014		
3/30/2015		
3/31/2015		<0.005
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
10/7/2015		
10/8/2015		

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		<0.005
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		0.00144 (JD)
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		0.0011 (JD)
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	0.0019 (J)	<0.005
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	0.0008 (J)	
4/10/2017		
4/11/2017		0.0011 (JD)
4/12/2017		

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	0.0006 (J)	
6/15/2017		
6/16/2017		0.0043 (JD)
7/12/2017	<0.005	0.0013 (JD)
7/20/2017	0.0009 (J)	
7/28/2017	<0.005	0.0013 (J)
8/9/2017	0.0011 (J)	
8/10/2017		0.0011 (J)
8/24/2017	0.0007 (J)	
10/2/2017		
10/3/2017	0.0005 (J)	
10/4/2017		
10/6/2017		0.0013 (JD)
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	0.0012 (J)	
3/22/2018		
3/23/2018		<0.005
9/14/2018		
9/17/2018		
9/18/2018	<0.005	
9/19/2018		
9/20/2018		<0.005
3/19/2019		
3/20/2019		
3/21/2019	<0.005	
3/22/2019		0.00097 (J)
3/23/2019		
3/25/2019		
3/27/2019		







# Time Series

Constituent: Barium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
10/9/2015								0.012	
10/11/2015				0.0093		0.014			
10/12/2015					0.028				
10/13/2015	0.012	0.0048	0.0065						
10/14/2015									
3/22/2016	0.0182								
3/23/2016		0.0271	0.0206						
3/28/2016				0.0155					
3/29/2016								0.000768 (J)	
3/30/2016									0.0163
3/31/2016					0.0273				
4/4/2016						0.0176			
4/5/2016							0.0308		
5/19/2016	0.0193		0.0109						
5/20/2016		0.0206							
5/24/2016								0.00847 (J)	0.0137
5/25/2016				0.0143					
5/26/2016					0.0305	0.0195			
5/31/2016							0.0255		
6/1/2016									
7/29/2016	0.0174	0.0275	0.007 (J)						
8/1/2016				0.0129				0.0086 (J)	
8/2/2016									0.0152
8/3/2016					0.0284				
8/4/2016						0.0151	0.0227		
9/22/2016			0.0071 (J)						
9/23/2016	0.0168	0.0384							
9/26/2016				0.0177				0.0086 (J)	
9/27/2016									0.0147
9/28/2016					0.036	0.0132			
9/29/2016							0.0258		
11/9/2016	0.0171	0.0266							
11/10/2016			0.0052 (J)						
11/11/2016				0.0117					
11/14/2016								0.0083 (J)	
11/22/2016					0.0341 (J)	0.0186 (J)			0.0174 (J)
11/23/2016							0.0263 (J)		
1/30/2017	0.019			0.0113					
1/31/2017		0.0094 (J)	0.0076 (J)						
2/1/2017								0.0096 (J)	
2/6/2017									0.0144
2/7/2017					0.0309				
2/8/2017						0.015			
2/10/2017							0.025		
2/22/2017									
3/30/2017	0.0184	0.0262							
4/3/2017			0.007 (J)	0.0166					
4/6/2017								0.0087 (J)	0.0149
4/7/2017									
4/10/2017					0.0235	0.0172			
4/11/2017									
4/12/2017							0.026		



# Time Series

Constituent: Barium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		0.0095
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		0.02
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		0.023
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		0.028
3/5/2008		0.022
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		0.019
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		0.19 (O)
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		0.14 (O)
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		0.034
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		0.11 (O)
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		0.018
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		0.015

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		0.019
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		0.0158
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		0.036
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		0.039
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		0.016
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		0.017
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		0.018
10/2/2014		
3/30/2015		
3/31/2015		0.021
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
10/7/2015		
10/8/2015		

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		0.013
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		0.0222
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		0.0283
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	0.0273	0.0561
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	0.024	
4/10/2017		
4/11/2017		0.0748
4/12/2017		

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	0.027	
6/15/2017		
6/16/2017		0.0661
7/12/2017	0.027	0.0932
7/20/2017	0.0304	
7/28/2017	0.0269	0.0808
8/9/2017	0.0254	
8/10/2017		0.0743
8/24/2017	0.0285	
10/2/2017		
10/3/2017	0.0294	
10/4/2017		
10/6/2017		0.0699
12/28/2017		0.082 (Y)
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	0.03	
3/22/2018		
3/23/2018		0.086
9/14/2018		
9/17/2018		
9/18/2018	0.032	
9/19/2018		
9/20/2018		0.093
3/19/2019		
3/20/2019		
3/21/2019	0.04	
3/22/2019		0.086
3/23/2019		
3/25/2019		
3/27/2019		

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
9/30/2014	<0.0013	<0.0013	<0.0013				<0.0013		
10/1/2014				<0.0013					
10/2/2014					<0.0013	<0.0013			<0.0013
3/30/2015	0.00029 (J)	<0.0013	<0.0013	0.0002 (J)					
3/31/2015									
4/1/2015						<0.0013			
4/2/2015					<0.0013				
4/3/2015							<0.0013		<0.0013
5/26/2015								8.8E-05 (J)	
6/18/2015								<0.0013 (D)	
7/2/2015								<0.0013	
10/7/2015							<0.0013		
10/8/2015									0.00025 (J)
10/9/2015								<0.0013	
10/11/2015				<0.0013		<0.0013			
10/12/2015					<0.0013				
10/13/2015	<0.0013	<0.0013	<0.0013						
10/14/2015									
3/22/2016	<0.003								
3/23/2016		<0.003	<0.003						
3/28/2016				<0.003					
3/29/2016								<0.003	
3/30/2016									<0.003
3/31/2016					<0.003				
4/4/2016						<0.003			
4/5/2016							<0.003		
5/19/2016	<0.003		<0.003						
5/20/2016		<0.003							
5/24/2016								<0.003	<0.003
5/25/2016				<0.003					
5/26/2016					<0.003	<0.003			
5/31/2016							<0.003		
6/1/2016									
7/29/2016	<0.003	<0.003	<0.003						
8/1/2016				<0.003				<0.003	
8/2/2016									<0.003
8/3/2016					<0.003				
8/4/2016						<0.003	<0.003		
9/22/2016			<0.003						
9/23/2016	<0.003	<0.003							
9/26/2016				<0.003				<0.003	
9/27/2016									<0.003
9/28/2016					<0.003	<0.003			
9/29/2016							<0.003		
11/9/2016	<0.003 (*)	<0.003							
11/10/2016			<0.003						
11/11/2016				<0.003					
11/14/2016								<0.003	
11/22/2016					<0.003	<0.003			<0.003
11/23/2016							<0.003		
1/30/2017	<0.003			<0.003					
1/31/2017		<0.003	<0.003						





# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

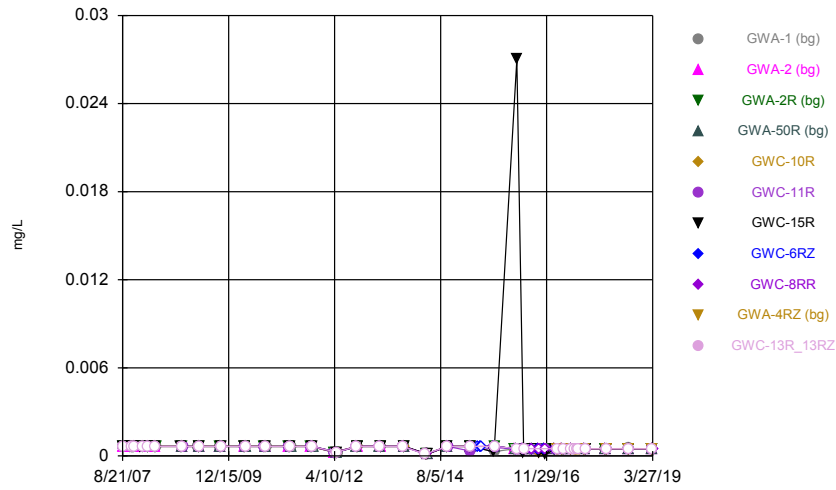
GWA-4RZ (bg)	GWC-13R_13RZ
9/30/2014	
10/1/2014	<0.0013
10/2/2014	
3/30/2015	
3/31/2015	<0.0013
4/1/2015	
4/2/2015	
4/3/2015	
5/26/2015	
6/18/2015	
7/2/2015	
10/7/2015	
10/8/2015	
10/9/2015	
10/11/2015	
10/12/2015	
10/13/2015	
10/14/2015	<0.0013
3/22/2016	
3/23/2016	
3/28/2016	
3/29/2016	
3/30/2016	
3/31/2016	
4/4/2016	<0.003 (D)
4/5/2016	
5/19/2016	
5/20/2016	
5/24/2016	
5/25/2016	
5/26/2016	
5/31/2016	
6/1/2016	<0.003 (D)
7/29/2016	
8/1/2016	
8/2/2016	
8/3/2016	
8/4/2016	
9/22/2016	
9/23/2016	
9/26/2016	
9/27/2016	
9/28/2016	
9/29/2016	
11/9/2016	
11/10/2016	
11/11/2016	
11/14/2016	
11/22/2016	
11/23/2016	
1/30/2017	
1/31/2017	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

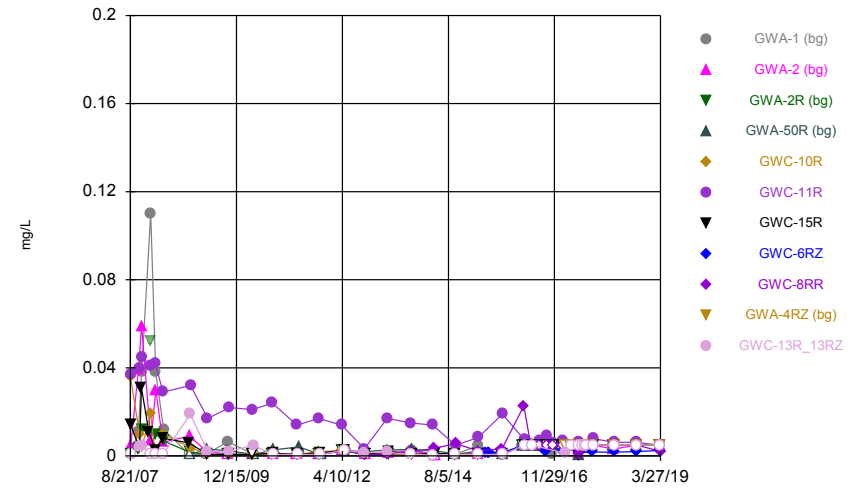
	GWA-4RZ (bg)	GWC-13R_13RZ
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	<0.003	<0.003
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	<0.003	
4/10/2017		
4/11/2017		<0.003
4/12/2017		
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	<0.003	
6/15/2017		
6/16/2017		<0.003
7/12/2017	<0.003	<0.003
7/20/2017	<0.003	
7/28/2017	<0.003	<0.003
8/9/2017	<0.003	
8/10/2017		<0.003
8/24/2017	<0.003	
10/2/2017		
10/3/2017	<0.003	
10/4/2017		
10/6/2017		<0.003
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	<0.003	
3/22/2018		
3/23/2018		<0.003
9/14/2018		
9/17/2018		
9/18/2018	<0.003	
9/19/2018		
9/20/2018		<0.003
3/19/2019		
3/20/2019		
3/21/2019	<0.003	
3/22/2019		<0.003
3/23/2019		
3/25/2019		
3/27/2019		

Time Series



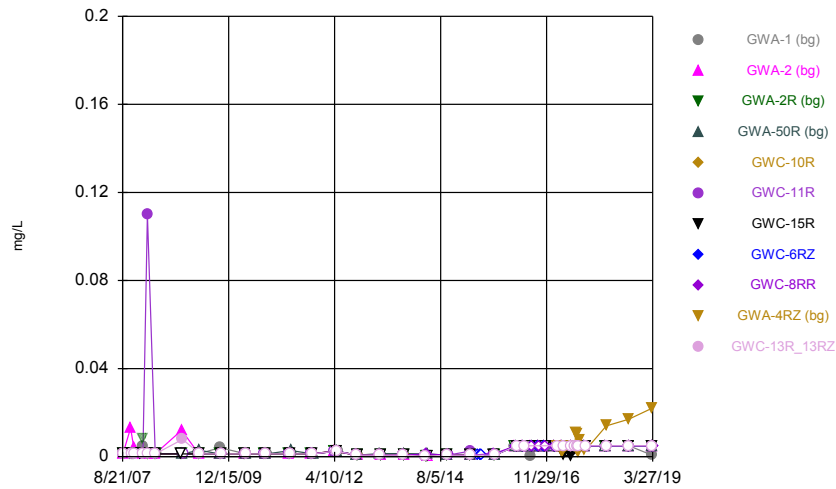
Constituent: Cadmium Analysis Run 4/29/2019 4:19 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



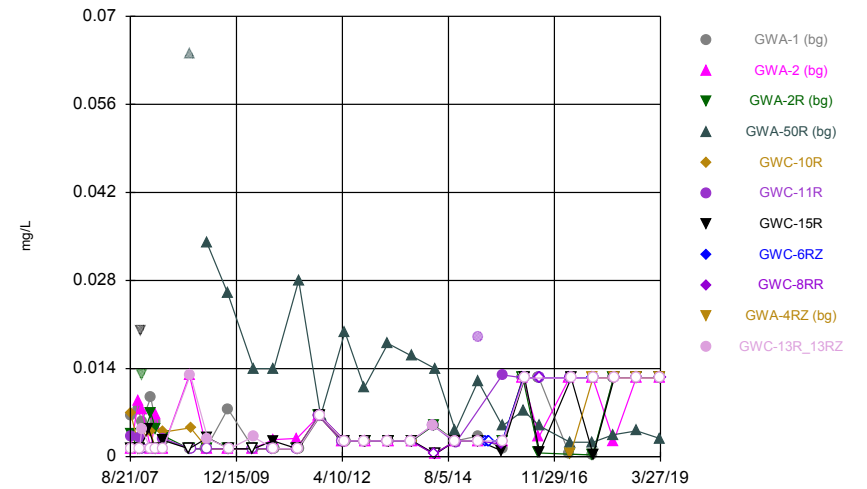
Constituent: Chromium Analysis Run 4/29/2019 4:19 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Cobalt Analysis Run 4/29/2019 4:19 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Copper Analysis Run 4/29/2019 4:19 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR





# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
10/9/2015								<0.0013	
10/11/2015				<0.0013		0.00056 (J)			
10/12/2015					<0.0013				
10/13/2015	0.0003 (J)	<0.0013	<0.0013						
10/14/2015									
3/22/2016	<0.001								
3/23/2016		<0.001	<0.001						
3/28/2016				<0.001					
3/29/2016								<0.001	
3/30/2016									<0.001
3/31/2016					<0.001				
4/4/2016						<0.001			
4/5/2016							0.027 (J)		
5/19/2016	<0.001		<0.001						
5/20/2016		<0.001							
5/24/2016								<0.001	<0.001
5/25/2016				<0.001					
5/26/2016					<0.001	<0.001			
5/31/2016							0.000206 (J)		
6/1/2016									
7/29/2016	<0.001	<0.001	<0.001						
8/1/2016				<0.001				<0.001	
8/2/2016									<0.001
8/3/2016					<0.001				
8/4/2016						<0.001	<0.001		
9/22/2016			<0.001						
9/23/2016	<0.001	<0.001							
9/26/2016				<0.001				<0.001	
9/27/2016									<0.001
9/28/2016					0.0002 (J)	<0.001			
9/29/2016							0.0002 (J)		
11/9/2016	<0.001	<0.001							
11/10/2016			<0.001						
11/11/2016				<0.001					
11/14/2016								<0.001	
11/22/2016					<0.001	<0.001			<0.001
11/23/2016							0.0001 (J)		
1/30/2017	<0.001			<0.001					
1/31/2017		<0.001	<0.001						
2/1/2017								<0.001	
2/6/2017									<0.001
2/7/2017					<0.001				
2/8/2017						<0.001			
2/10/2017							<0.001		
2/22/2017									
3/30/2017	<0.001	<0.001							
4/3/2017			<0.001	<0.001					
4/6/2017								<0.001	<0.001
4/7/2017									
4/10/2017					<0.001	<0.001			
4/11/2017									
4/12/2017							<0.001		





# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		<0.0013
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		<0.0013
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		<0.0013
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		<0.0013
3/5/2008		<0.0013
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		<0.0013
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		<0.0013
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		<0.0013
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		<0.0013
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		<0.0013
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		<0.0013
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		<0.0013

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		<0.0013
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		<0.0005
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		<0.0013
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		<0.0013
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		<0.0013
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		<0.00025
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		<0.0013
10/2/2014		
3/30/2015		
3/31/2015		<0.0013
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
10/7/2015		
10/8/2015		

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		<0.0013
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		<0.001
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		<0.001
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	<0.001	<0.001
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	<0.001	
4/10/2017		
4/11/2017		<0.001
4/12/2017		

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	<0.001	
6/15/2017		
6/16/2017		<0.001
7/12/2017	<0.001	<0.001
7/20/2017	<0.001	
7/28/2017	<0.001	<0.001
8/9/2017	<0.001	
8/10/2017		<0.001
8/24/2017	<0.001	
10/2/2017		
10/3/2017	<0.001	
10/4/2017		
10/6/2017		<0.001
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	<0.001	
3/22/2018		
3/23/2018		<0.001
9/14/2018		
9/17/2018		
9/18/2018	<0.001	
9/19/2018		
9/20/2018		<0.001
3/19/2019		
3/20/2019		
3/21/2019	<0.001	
3/22/2019		<0.001
3/23/2019		
3/25/2019		
3/27/2019		





# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
10/9/2015								0.0015	
10/11/2015				<0.0013		0.019			
10/12/2015					<0.0013				
10/13/2015	<0.0013	<0.0013	<0.0013						
10/14/2015									
3/22/2016	<0.01								
3/23/2016		<0.01	<0.01						
3/28/2016				<0.01					
3/29/2016								<0.01	
3/30/2016									0.0228 (J)
3/31/2016					<0.01				
4/4/2016						0.00728 (J)			
4/5/2016							<0.01		
5/19/2016	<0.01		<0.01						
5/20/2016		<0.01							
5/24/2016								<0.01	<0.01
5/25/2016				<0.01					
5/26/2016					<0.01	0.00553 (J)			
5/31/2016							<0.01		
6/1/2016									
7/29/2016	<0.01	<0.01 (*)	<0.01 (*)						
8/1/2016				<0.01				<0.01 (*)	
8/2/2016									<0.01 (*)
8/3/2016					<0.01 (*)				
8/4/2016						0.0071 (J)	<0.01 (*)		
9/22/2016			<0.01						
9/23/2016	<0.01	<0.01							
9/26/2016				<0.01				0.002 (J)	
9/27/2016									<0.01
9/28/2016					<0.01	0.0093 (J)			
9/29/2016							<0.01		
11/9/2016	0.0011 (J)	<0.01							
11/10/2016			<0.01						
11/11/2016				<0.01 (*)					
11/14/2016								<0.01 (*)	
11/22/2016					<0.01	0.0058 (J)			<0.01
11/23/2016							<0.01		
1/30/2017	<0.01			<0.01					
1/31/2017		<0.01	<0.01						
2/1/2017								0.0017 (J)	
2/6/2017									<0.01
2/7/2017					0.0019 (J)				
2/8/2017						0.0072 (J)			
2/10/2017							<0.01		
2/22/2017									
3/30/2017	<0.01	<0.01 (*)							
4/3/2017			<0.01 (*)	<0.01 (*)					
4/6/2017								<0.01 (*)	<0.01 (*)
4/7/2017									
4/10/2017					<0.01 (*)	<0.01 (*)			
4/11/2017									
4/12/2017							<0.01 (*)		





# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		<0.0013
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		0.0042
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		0.0049
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		<0.0013
3/5/2008		<0.0013
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		<0.0013
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		0.019
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		0.002
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		0.002
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		0.0049
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		<0.0013
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		<0.0013

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		<0.0013
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		<0.005
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		0.0015
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		0.0017
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		<0.0013
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		<0.001
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		<0.0013
10/2/2014		
3/30/2015		
3/31/2015		<0.0013
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
10/7/2015		
10/8/2015		

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		<0.0013
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		<0.01 (D)
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		<0.01 (D)
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	<0.01	0.0012 (J)
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	<0.01	
4/10/2017		
4/11/2017		<0.01 (*)
4/12/2017		

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	<0.01	
6/15/2017		
6/16/2017		<0.01
7/12/2017	<0.01	<0.01
7/20/2017	<0.01	
7/28/2017	<0.01	<0.01
8/9/2017	<0.01	
8/10/2017		<0.01
8/24/2017	<0.01	
10/2/2017		
10/3/2017	<0.01	
10/4/2017		
10/6/2017		<0.01
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	<0.01	
3/22/2018		
3/23/2018		<0.01
9/14/2018		
9/17/2018		
9/18/2018	<0.01	
9/19/2018		
9/20/2018		<0.01
3/19/2019		
3/20/2019		
3/21/2019	<0.01	
3/22/2019		<0.01
3/23/2019		
3/25/2019		
3/27/2019		





# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
10/9/2015								<0.0013	
10/11/2015				<0.0013		0.00065 (J)			
10/12/2015					<0.0013				
10/13/2015	<0.0013	<0.0013	<0.0013						
10/14/2015									
3/22/2016	<0.01								
3/23/2016		<0.01	<0.01						
3/28/2016				<0.01					
3/29/2016								<0.01	
3/30/2016									<0.01
3/31/2016					<0.01				
4/4/2016						<0.01			
4/5/2016							<0.01		
5/19/2016	<0.01		<0.01						
5/20/2016		<0.01							
5/24/2016								<0.01	<0.01
5/25/2016				<0.01					
5/26/2016					<0.01	<0.01			
5/31/2016							<0.01		
6/1/2016									
7/29/2016	0.0004 (J)	<0.01	<0.01						
8/1/2016				<0.01				<0.01	
8/2/2016									<0.01
8/3/2016					<0.01				
8/4/2016						<0.01	<0.01		
9/22/2016			<0.01						
9/23/2016	<0.01	<0.01							
9/26/2016				<0.01				<0.01	
9/27/2016									<0.01
9/28/2016					<0.01	<0.01			
9/29/2016							<0.01		
11/9/2016	<0.01	<0.01							
11/10/2016			<0.01						
11/11/2016				<0.01					
11/14/2016								<0.01	
11/22/2016					<0.01	<0.01			<0.01
11/23/2016							<0.01		
1/30/2017	<0.01			<0.01					
1/31/2017		<0.01	<0.01						
2/1/2017								<0.01	
2/6/2017									<0.01
2/7/2017					<0.01				
2/8/2017						<0.01			
2/10/2017							<0.01		
2/22/2017									
3/30/2017	<0.01	<0.01							
4/3/2017			<0.01	<0.01					
4/6/2017								<0.01	<0.01
4/7/2017									
4/10/2017					<0.01	<0.01			
4/11/2017									
4/12/2017							0.0006 (J)		





# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		<0.0025
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		<0.0025
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		<0.0025
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		<0.0025
3/5/2008		<0.0025
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		<0.0025
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		0.0079
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		<0.0025
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		<0.0025
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		<0.0025
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		<0.0025
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		<0.0025

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		<0.0025
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		<0.005
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		<0.0013
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		<0.0013
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		<0.0013
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		<0.0005
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		<0.0013
10/2/2014		
3/30/2015		
3/31/2015		<0.0013
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
10/7/2015		
10/8/2015		

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		<0.0013
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		<0.01
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		<0.01
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	<0.01	<0.01
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	0.0018 (J)	
4/10/2017		
4/11/2017		<0.01
4/12/2017		

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	0.0045 (J)	
6/15/2017		
6/16/2017		<0.01
7/12/2017	0.0046 (J)	<0.01
7/20/2017	0.0109	
7/28/2017	0.0104	<0.01
8/9/2017	0.0022 (J)	
8/10/2017		<0.01
8/24/2017	0.0076 (J)	
10/2/2017		
10/3/2017	0.0028 (J)	
10/4/2017		
10/6/2017		<0.01
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	0.014	
3/22/2018		
3/23/2018		<0.01
9/14/2018		
9/17/2018		
9/18/2018	0.017	
9/19/2018		
9/20/2018		<0.01
3/19/2019		
3/20/2019		
3/21/2019	0.022	
3/22/2019		<0.01
3/23/2019		
3/25/2019		
3/27/2019		







# Time Series

Constituent: Copper (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		<0.0025
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		<0.0025
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		0.0043
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		<0.0025
3/5/2008		<0.0025
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		<0.0025
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		0.013
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		0.0029
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		<0.0025
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		0.0032
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		<0.0025
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		<0.0025



# Time Series

Constituent: Copper (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

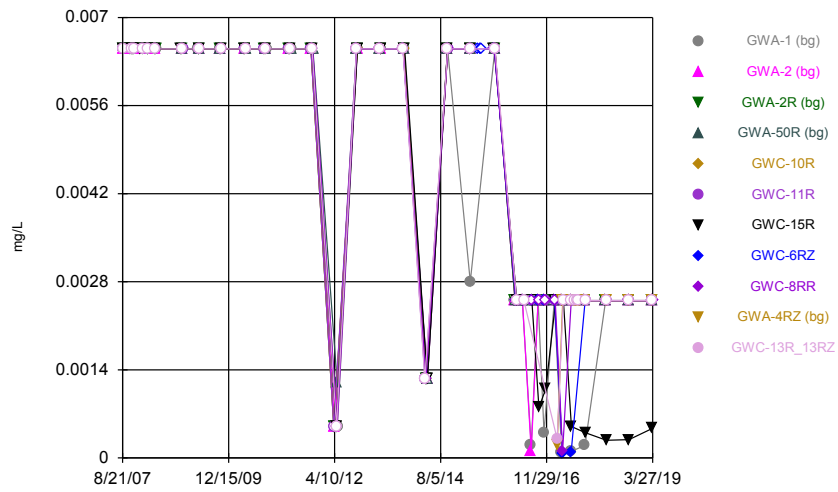
	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		<0.013
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		<0.005
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		<0.005
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		<0.005
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		<0.005
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		0.005 (J)
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		<0.005
10/2/2014		
3/30/2015		
3/31/2015		<0.005
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
10/7/2015		
10/8/2015		

# Time Series

Constituent: Copper (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

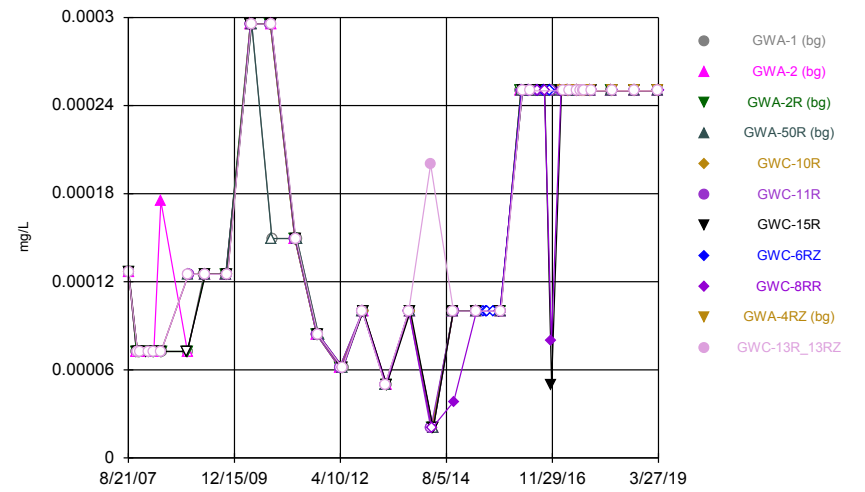
	GWA-4RZ (bg)	GWC-13R_13RZ
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		<0.005
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		<0.025
4/5/2016		
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	0.0004 (J)	
4/10/2017		
4/11/2017		<0.025
4/12/2017		
10/2/2017		
10/3/2017	<0.025	
10/4/2017		
10/6/2017		<0.025
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	<0.025	
3/22/2018		
3/23/2018		<0.025
9/14/2018		
9/17/2018		
9/18/2018	<0.025	
9/19/2018		
9/20/2018		<0.025
3/19/2019		
3/20/2019		
3/21/2019	<0.025	
3/22/2019		<0.025
3/23/2019		
3/25/2019		
3/27/2019		

Time Series



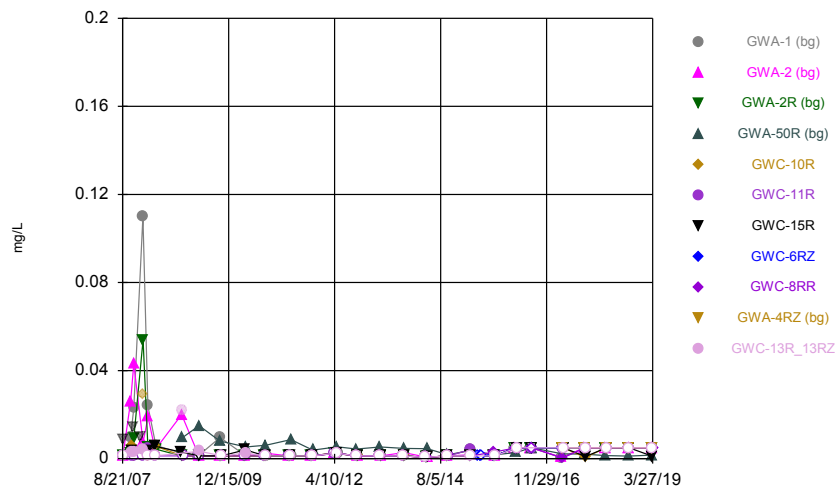
Constituent: Lead Analysis Run 4/29/2019 4:19 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



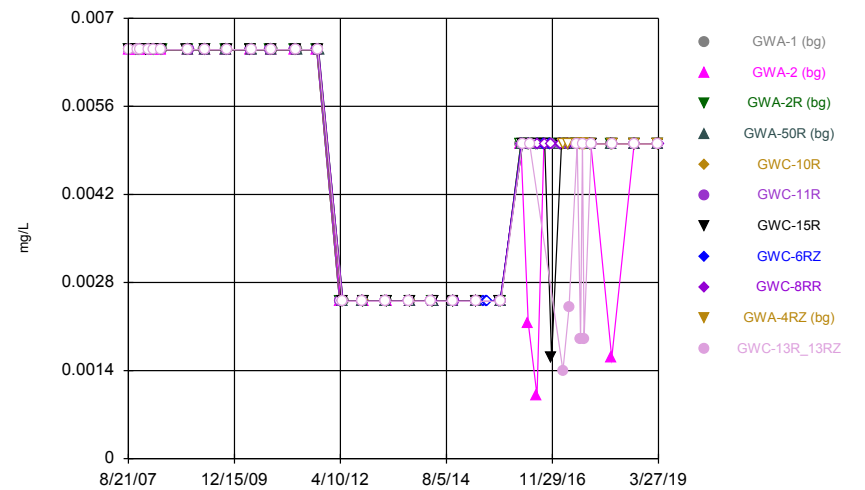
Constituent: Mercury Analysis Run 4/29/2019 4:20 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Nickel Analysis Run 4/29/2019 4:20 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Selenium Analysis Run 4/29/2019 4:20 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR





# Time Series

Constituent: Lead (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
10/9/2015								<0.013	
10/11/2015				<0.013		<0.013			
10/12/2015					<0.013				
10/13/2015	<0.013	<0.013	<0.013						
10/14/2015									
3/22/2016	<0.005								
3/23/2016		<0.005	<0.005						
3/28/2016				<0.005					
3/29/2016								<0.005	
3/30/2016									<0.005
3/31/2016					<0.005				
4/4/2016						<0.005			
4/5/2016							<0.005		
5/19/2016	<0.005		<0.005						
5/20/2016		<0.005							
5/24/2016								<0.005	<0.005
5/25/2016				<0.005					
5/26/2016					<0.005	<0.005			
5/31/2016							<0.005		
6/1/2016									
7/29/2016	0.0002 (J)	0.0001 (J)	<0.005						
8/1/2016				<0.005				<0.005	
8/2/2016									<0.005
8/3/2016					<0.005				
8/4/2016						<0.005	<0.005		
9/22/2016			<0.005						
9/23/2016	<0.005 (*)	<0.005							
9/26/2016				<0.005				<0.005	
9/27/2016									<0.005
9/28/2016					<0.005	<0.005			
9/29/2016							0.0008 (J)		
11/9/2016	0.0004 (J)	<0.005							
11/10/2016			<0.005						
11/11/2016				<0.005					
11/14/2016								<0.005	
11/22/2016					<0.005	<0.005			<0.005
11/23/2016							0.0011 (J)		
1/30/2017	<0.005 (*)			<0.005					
1/31/2017		<0.005 (*)	<0.005						
2/1/2017								<0.005	
2/6/2017									<0.005
2/7/2017					<0.005				
2/8/2017						<0.005			
2/10/2017							<0.005		
2/22/2017									
3/30/2017	8E-05 (J)	<0.005							
4/3/2017			<0.005	<0.005					
4/6/2017								7E-05 (J)	0.0001 (J)
4/7/2017									
4/10/2017					<0.005	<0.005			
4/11/2017									
4/12/2017							<0.005 (*)		



# Time Series

Constituent: Lead (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		<0.013
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		<0.013
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		<0.013
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		<0.013
3/5/2008		<0.013
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		<0.013
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		<0.013
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		<0.013
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		<0.013
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		<0.013
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		<0.013
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		<0.013



# Time Series

Constituent: Lead (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		<0.013
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		<0.001
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		<0.013
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		<0.013
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		<0.013
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		<0.0025
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		<0.013
10/2/2014		
3/30/2015		
3/31/2015		<0.013
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
10/7/2015		
10/8/2015		

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		<0.013
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		<0.005
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		<0.005
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	0.0002 (J)	0.0003 (J)
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	<0.005	
4/10/2017		
4/11/2017		<0.005
4/12/2017		

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	<0.005	
6/15/2017		
6/16/2017		<0.005
7/12/2017	<0.005	<0.005
7/20/2017	<0.005	
7/28/2017	<0.005	<0.005
8/9/2017	<0.005	
8/10/2017		<0.005
8/24/2017	<0.005	
10/2/2017		
10/3/2017	<0.005	
10/4/2017		
10/6/2017		<0.005
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	<0.005	
3/22/2018		
3/23/2018		<0.005
9/14/2018		
9/17/2018		
9/18/2018	<0.005	
9/19/2018		
9/20/2018		<0.005
3/19/2019		
3/20/2019		
3/21/2019	<0.005	
3/22/2019		<0.005
3/23/2019		
3/25/2019		
3/27/2019		



# Time Series

Constituent: Mercury (mg/L) Analysis Run 4/29/2019 4:52 PM View: cells 1&2 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
4/27/2011	<0.000299			<0.000299					
10/4/2011			<0.000168		<0.000168	<0.000168			
10/5/2011		<0.000168							
10/12/2011							<0.000168		
10/17/2011	<0.000168								
10/18/2011									<0.000168
10/19/2011				<0.000168					
4/3/2012			<0.000123		<0.000123				
4/4/2012						<0.000123			
4/11/2012		<0.000123							
4/23/2012							<0.000123		
4/25/2012									
4/30/2012									<0.000123
5/1/2012				<0.000123					
5/2/2012	<0.000123								
10/2/2012				<0.0002					
10/3/2012						<0.0002			<0.0002
10/8/2012	<0.0002				<0.0002				
10/9/2012		<0.0002	<0.0002						
10/10/2012							<0.0002		
4/2/2013									
4/3/2013					<0.0001	<0.0001			
4/8/2013									<0.0001
4/10/2013				<0.0001					
4/11/2013			<0.0001						
4/12/2013	<0.0001								
4/15/2013		<0.0001					<0.0001		
10/8/2013									
10/9/2013						<0.0002			<0.0002
10/15/2013		<0.0002			<0.0002				
10/16/2013	<0.0002		<0.0002	<0.0002					
10/22/2013							<0.0002		
4/1/2014									
4/2/2014						<4.02E-05			
4/9/2014					<4.02E-05				
4/10/2014			<4.02E-05						<4.02E-05
4/11/2014	<4.02E-05								
4/21/2014							<4.02E-05		
4/22/2014		<4.02E-05		<4.02E-05					
9/30/2014	<0.0002	<0.0002	<0.0002				<0.0002		
10/1/2014				<0.0002					
10/2/2014					<0.0002	<0.0002			3.83E-05 (J)
3/30/2015	<0.0002	<0.0002	<0.0002	<0.0002					
3/31/2015									
4/1/2015						<0.0002			
4/2/2015					<0.0002				
4/3/2015							<0.0002		<0.0002
5/26/2015								<0.0002	
6/18/2015								<0.0002 (D)	
7/2/2015								<0.0002	
8/13/2015								<0.0002 (D)	
10/7/2015							<0.0002		





# Time Series

Constituent: Mercury (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		<0.000254
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		<0.000145
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		<0.000145
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		<0.000145
3/5/2008		<0.000145
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		<0.000145
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		<0.00025
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		<0.00025
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		<0.00025
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		<0.000591
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		<0.000591
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		<0.000299



# Time Series

Constituent: Mercury (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		<0.000168
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		<0.000123
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		<0.0002
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		<0.0001
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		<0.0002
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		0.0002 (J)
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		<0.0002
10/2/2014		
3/30/2015		
3/31/2015		<0.0002
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
8/13/2015		
10/7/2015		

# Time Series

Constituent: Mercury (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
10/8/2015		
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		<0.0002
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		<0.0005
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		<0.0005
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	<0.0005	<0.0005
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	<0.0005 (*)	
4/10/2017		
4/11/2017		<0.0005

# Time Series

Constituent: Mercury (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/12/2017		
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	<0.0005 (*)	
6/15/2017		
6/16/2017		<0.0005 (*)
7/12/2017	<0.0005	<0.0005
7/20/2017	<0.0005	
7/28/2017	<0.0005	<0.0005
8/9/2017	<0.0005	
8/10/2017		<0.0005
8/24/2017	<0.0005	
10/2/2017		
10/3/2017	<0.0005	
10/4/2017		
10/6/2017		<0.0005
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	<0.0005	
3/22/2018		
3/23/2018		<0.0005
9/14/2018		
9/17/2018		
9/18/2018	<0.0005	
9/19/2018		
9/20/2018		<0.0005
3/19/2019		
3/20/2019		
3/21/2019	<0.0005	
3/22/2019		<0.0005
3/23/2019		
3/25/2019		
3/27/2019		







# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		<0.0025
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		0.0033
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		0.0029
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		0.0039
3/5/2008		<0.0025
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		<0.0025
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		0.022 (O)
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		0.0034
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		<0.0025
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		0.0026
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		<0.0025
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		<0.0025

# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		<0.0025
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		<0.005
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		<0.0025
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		<0.0025
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		<0.0025
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		<0.00125
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		<0.0025
10/2/2014		
3/30/2015		
3/31/2015		<0.0025
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
10/7/2015		
10/8/2015		



# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		<0.0025
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		<0.01
4/5/2016		
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	<0.01	
4/10/2017		
4/11/2017		<0.01 (*)
4/12/2017		
10/2/2017		
10/3/2017	<0.01	
10/4/2017		
10/6/2017		<0.01
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	<0.01	
3/22/2018		
3/23/2018		<0.01
9/14/2018		
9/17/2018		
9/18/2018	<0.01	
9/19/2018		
9/20/2018		<0.01
3/19/2019		
3/20/2019		
3/21/2019	<0.01	
3/22/2019		<0.01
3/23/2019		
3/25/2019		
3/27/2019		





# Time Series

Constituent: Selenium (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
10/9/2015								<0.005	
10/11/2015				<0.005		<0.005			
10/12/2015					<0.005				
10/13/2015	<0.005	<0.005	<0.005						
10/14/2015									
3/22/2016	<0.01								
3/23/2016		<0.01	<0.01						
3/28/2016				<0.01					
3/29/2016								<0.01	
3/30/2016									<0.01
3/31/2016					<0.01				
4/4/2016						<0.01			
4/5/2016							<0.01		
5/19/2016	<0.01		<0.01						
5/20/2016		0.00216 (J)							
5/24/2016								<0.01	<0.01
5/25/2016				<0.01					
5/26/2016					<0.01	<0.01			
5/31/2016							<0.01		
6/1/2016									
7/29/2016	<0.01	0.001 (J)	<0.01						
8/1/2016				<0.01				<0.01	
8/2/2016									<0.01
8/3/2016					<0.01				
8/4/2016						<0.01	<0.01		
9/22/2016			<0.01						
9/23/2016	<0.01	<0.01							
9/26/2016				<0.01				<0.01	
9/27/2016									<0.01
9/28/2016					<0.01	<0.01			
9/29/2016							<0.01		
11/9/2016	<0.01	<0.01							
11/10/2016			<0.01						
11/11/2016				<0.01					
11/14/2016								<0.01	
11/22/2016					<0.01	<0.01			<0.01
11/23/2016							0.0016 (J)		
1/30/2017	<0.01			<0.01					
1/31/2017		<0.01	<0.01						
2/1/2017								<0.01	
2/6/2017									<0.01
2/7/2017					<0.01				
2/8/2017						<0.01			
2/10/2017							<0.01		
2/22/2017									
3/30/2017	<0.01	<0.01							
4/3/2017			<0.01	<0.01					
4/6/2017								<0.01	<0.01
4/7/2017									
4/10/2017					<0.01	<0.01			
4/11/2017									
4/12/2017							<0.01		



# Time Series

Constituent: Selenium (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		<0.013
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		<0.013
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		<0.013
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		<0.013
3/5/2008		<0.013
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		<0.013
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		<0.013
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		<0.013
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		<0.013
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		<0.013
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		<0.013
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		<0.013

# Time Series

Constituent: Selenium (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		<0.013
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		<0.005
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		<0.005
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		<0.005
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		<0.005
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		<0.005
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		<0.005
10/2/2014		
3/30/2015		
3/31/2015		<0.005
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
10/7/2015		
10/8/2015		

# Time Series

Constituent: Selenium (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

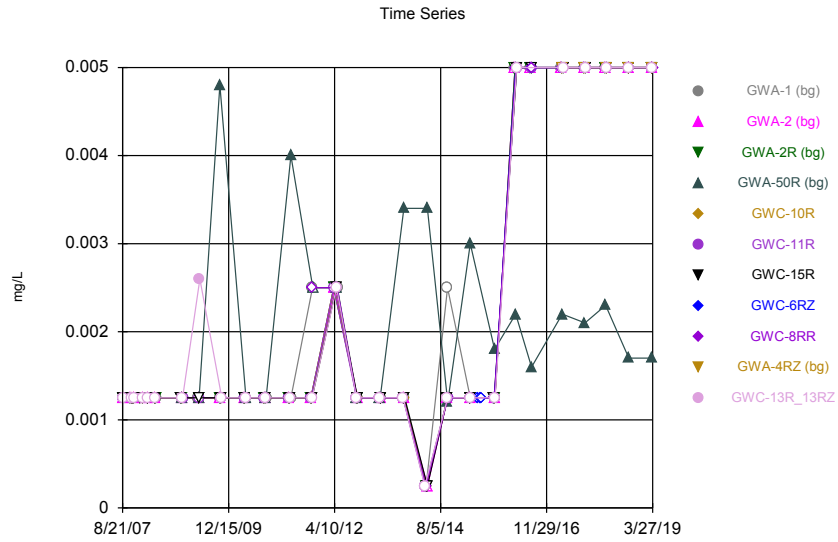
	GWA-4RZ (bg)	GWC-13R_13RZ
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		<0.005
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		<0.01
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		<0.01
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	<0.01	0.0014 (J)
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	<0.01	
4/10/2017		
4/11/2017		0.0024 (J)
4/12/2017		



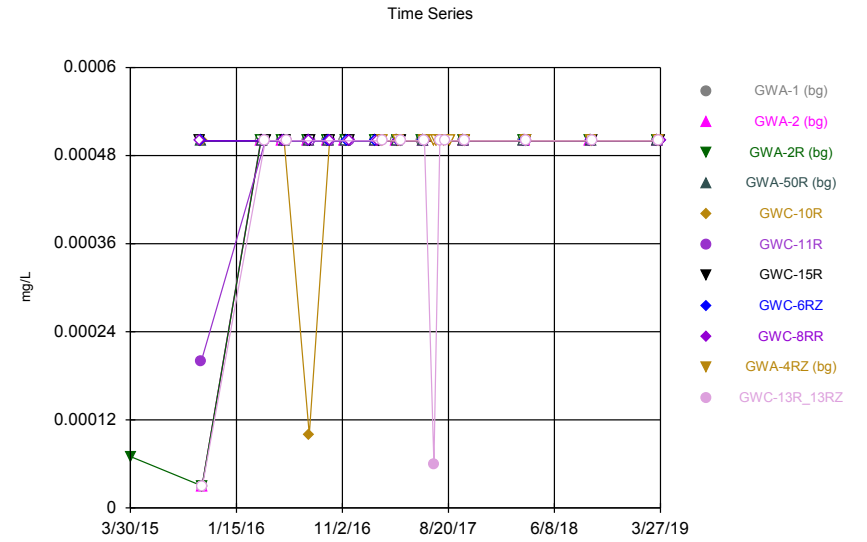
# Time Series

Constituent: Selenium (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

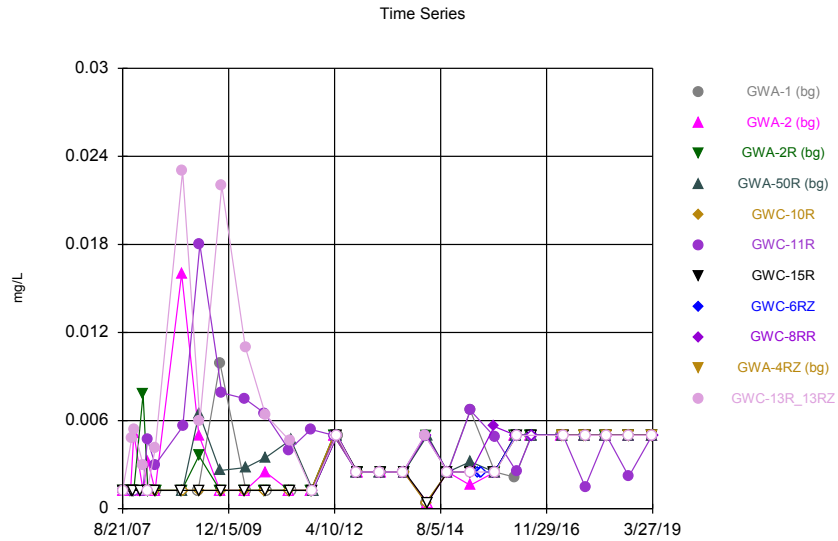
	GWA-4RZ (bg)	GWC-13R_13RZ
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	<0.01	
6/15/2017		
6/16/2017		<0.01
7/12/2017	<0.01	0.0019 (J)
7/20/2017	<0.01	
7/28/2017	<0.01	<0.01
8/9/2017	<0.01	
8/10/2017		0.0019 (J)
8/24/2017	<0.01	
10/2/2017		
10/3/2017	<0.01	
10/4/2017		
10/6/2017		<0.01
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	<0.01	
3/22/2018		
3/23/2018		<0.01
9/14/2018		
9/17/2018		
9/18/2018	<0.01	
9/19/2018		
9/20/2018		<0.01
3/19/2019		
3/20/2019		
3/21/2019	<0.01	
3/22/2019		<0.01
3/23/2019		
3/25/2019		
3/27/2019		



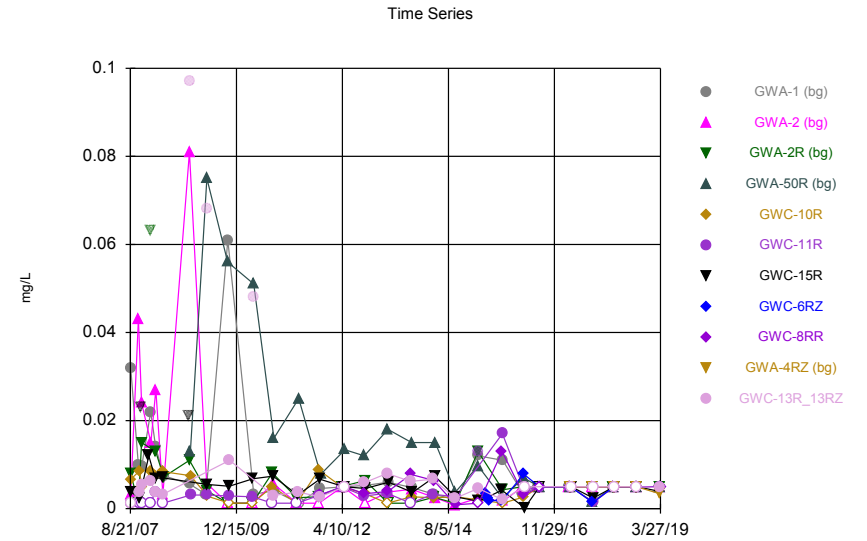
Constituent: Silver Analysis Run 4/29/2019 4:20 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR



Constituent: Thallium Analysis Run 4/29/2019 4:20 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR



Constituent: Vanadium Analysis Run 4/29/2019 4:20 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR



Constituent: Zinc Analysis Run 4/29/2019 4:20 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR







# Time Series

Constituent: Silver (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		<0.0025
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		<0.0025
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		<0.0025
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		<0.0025
3/5/2008		<0.0025
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		<0.0025
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		<0.0025
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		0.0026
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		<0.0025
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		<0.0025
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		<0.0025
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		<0.0025

# Time Series

Constituent: Silver (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		<0.0025
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		<0.005
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		<0.0025
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		<0.0025
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		<0.0025
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		<0.0005
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		<0.0025
10/2/2014		
3/30/2015		
3/31/2015		<0.0025
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
10/7/2015		
10/8/2015		

# Time Series

Constituent: Silver (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		<0.0025
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		<0.01
4/5/2016		
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	<0.01	
4/10/2017		
4/11/2017		<0.01
4/12/2017		
10/2/2017		
10/3/2017	<0.01	
10/4/2017		
10/6/2017		<0.01
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	<0.01	
3/22/2018		
3/23/2018		<0.01
9/14/2018		
9/17/2018		
9/18/2018	<0.01	
9/19/2018		
9/20/2018		<0.01
3/19/2019		
3/20/2019		
3/21/2019	<0.01	
3/22/2019		<0.01
3/23/2019		
3/25/2019		
3/27/2019		







# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
3/30/2015		
10/7/2015		
10/8/2015		
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		<6E-05
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		<0.001
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		<0.001
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	<0.001	<0.001
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	<0.001	

# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/10/2017		
4/11/2017		<0.001
4/12/2017		
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	<0.001	
6/15/2017		
6/16/2017		<0.001
7/12/2017	<0.001	6E-05 (J)
7/20/2017	<0.001	
7/28/2017	<0.001	<0.001
8/9/2017	<0.001	
8/10/2017		<0.001
8/24/2017	<0.001	
10/2/2017		
10/3/2017	<0.001	
10/4/2017		
10/6/2017		<0.001
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	<0.001	
3/22/2018		
3/23/2018		<0.001
9/14/2018		
9/17/2018		
9/18/2018	<0.001	
9/19/2018		
9/20/2018		<0.001
3/19/2019		
3/20/2019		
3/21/2019	<0.001	
3/22/2019		<0.001
3/23/2019		
3/25/2019		
3/27/2019		







# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		<0.0025
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		0.0048
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		0.0054
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		0.003
3/5/2008		<0.0025
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		0.0041
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		0.023
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		0.006
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		0.022
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		0.011
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		0.0064
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		0.0046



# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		<0.0025
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		<0.01
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		<0.005
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		<0.005
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		<0.005
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		0.005 (J)
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		<0.005
10/2/2014		
3/30/2015		
3/31/2015		<0.005
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
10/7/2015		
10/8/2015		

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		<0.005
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		<0.01
4/5/2016		
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	<0.01	
4/10/2017		
4/11/2017		<0.01
4/12/2017		
10/2/2017		
10/3/2017	<0.01	
10/4/2017		
10/6/2017		<0.01
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	<0.01	
3/22/2018		
3/23/2018		<0.01
9/14/2018		
9/17/2018		
9/18/2018	<0.01	
9/19/2018		
9/20/2018		<0.01
3/19/2019		
3/20/2019		
3/21/2019	<0.01	
3/22/2019		<0.01
3/23/2019		
3/25/2019		
3/27/2019		







# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
8/21/2007		<0.0025
8/23/2007		
10/23/2007		
10/24/2007		
11/1/2007		0.0038
11/2/2007		
11/17/2007		
11/18/2007		
11/19/2007		0.0055
11/20/2007		
1/15/2008		
1/30/2008		
1/31/2008		0.0063
3/5/2008		0.0037
3/6/2008		
3/10/2008		
3/11/2008		
5/6/2008		
5/7/2008		0.0033
5/8/2008		
5/13/2008		
12/2/2008		
12/4/2008		
12/5/2008		
12/12/2008		0.097 (O)
12/14/2008		
4/15/2009		
4/21/2009		
4/23/2009		
4/28/2009		
4/29/2009		0.068 (O)
10/6/2009		
10/7/2009		
10/8/2009		
10/19/2009		
10/21/2009		0.011
10/22/2009		
4/21/2010		
4/26/2010		
4/27/2010		
4/28/2010		0.048 (O)
5/3/2010		
9/28/2010		
9/29/2010		
10/4/2010		
10/6/2010		0.003
10/11/2010		
10/12/2010		
4/12/2011		
4/13/2011		
4/18/2011		
4/20/2011		0.0038

# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
4/27/2011		
10/4/2011		
10/5/2011		
10/12/2011		0.0027
10/17/2011		
10/18/2011		
10/19/2011		
4/3/2012		
4/4/2012		
4/11/2012		
4/23/2012		
4/25/2012		<0.01
4/30/2012		
5/1/2012		
5/2/2012		
10/2/2012		0.0059
10/3/2012		
10/8/2012		
10/9/2012		
10/10/2012		
4/2/2013		0.008
4/3/2013		
4/8/2013		
4/10/2013		
4/11/2013		
4/12/2013		
4/15/2013		
10/8/2013		0.0062
10/9/2013		
10/15/2013		
10/16/2013		
10/22/2013		
4/1/2014		0.0067
4/2/2014		
4/9/2014		
4/10/2014		
4/11/2014		
4/21/2014		
4/22/2014		
9/30/2014		
10/1/2014		0.0024 (J)
10/2/2014		
3/30/2015		
3/31/2015		0.0046
4/1/2015		
4/2/2015		
4/3/2015		
5/26/2015		
6/18/2015		
7/2/2015		
10/7/2015		
10/8/2015		

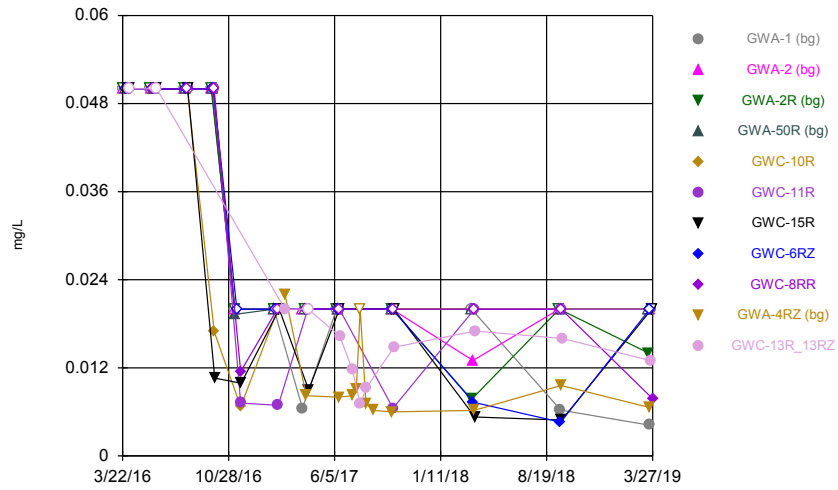
# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/29/2019 4:53 PM View: cells 1&2 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
10/9/2015		
10/11/2015		
10/12/2015		
10/13/2015		
10/14/2015		0.002 (J)
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		<0.01
4/5/2016		
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	<0.01 (*)	
4/10/2017		
4/11/2017		<0.01 (*)
4/12/2017		
10/2/2017		
10/3/2017	<0.01	
10/4/2017		
10/6/2017		<0.01
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	<0.01	
3/22/2018		
3/23/2018		<0.01
9/14/2018		
9/17/2018		
9/18/2018	<0.01	
9/19/2018		
9/20/2018		<0.01
3/19/2019		
3/20/2019		
3/21/2019	0.0034 (J)	
3/22/2019		0.0048 (J)
3/23/2019		
3/25/2019		
3/27/2019		

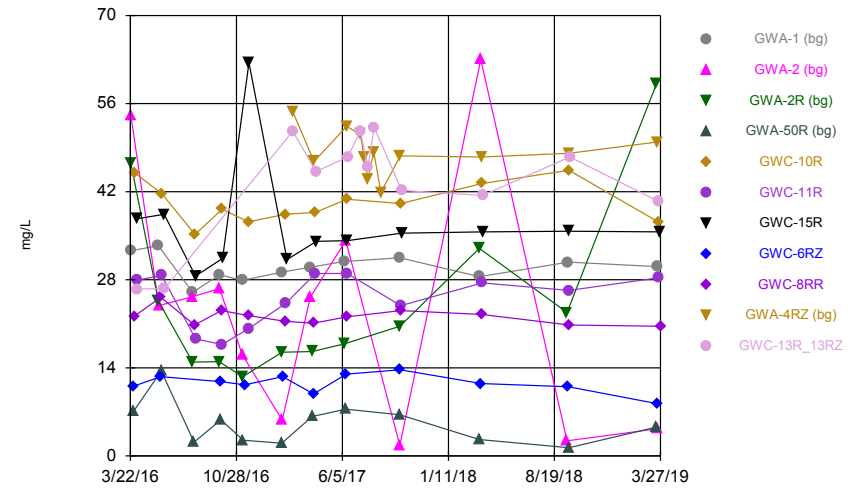


Time Series



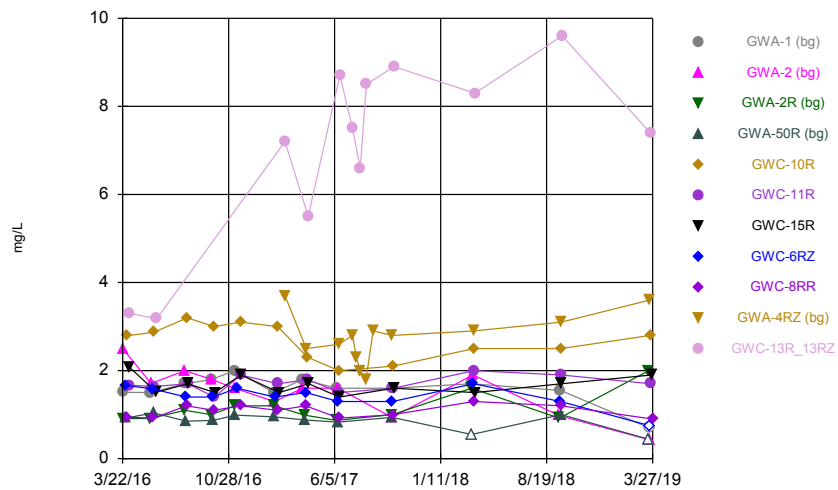
Constituent: Boron Analysis Run 4/29/2019 5:15 PM View: cells 1&2 apIII bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



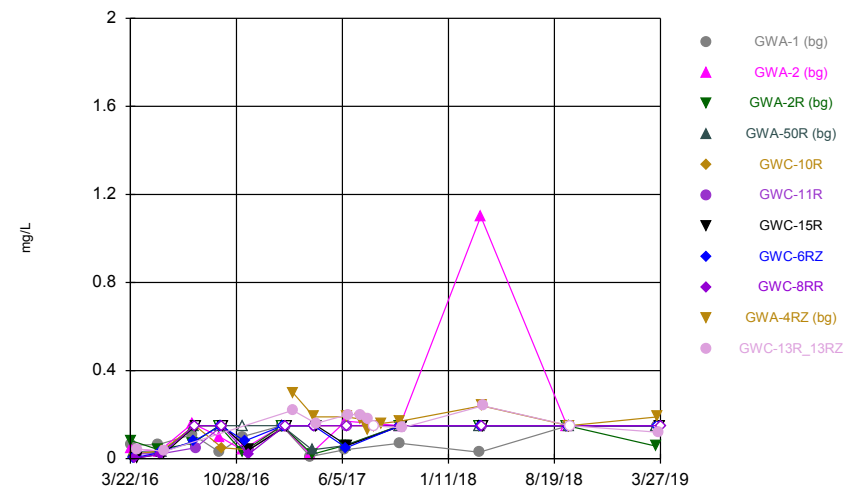
Constituent: Calcium Analysis Run 4/29/2019 5:15 PM View: cells 1&2 apIII bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Chloride Analysis Run 4/29/2019 5:15 PM View: cells 1&2 apIII bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Fluoride Analysis Run 4/29/2019 5:16 PM View: cells 1&2 apIII bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 applll bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
3/22/2016	<0.1								
3/23/2016		<0.1	<0.1						
3/28/2016				<0.1					
3/29/2016								<0.1	
3/30/2016									<0.1
3/31/2016					<0.1				
4/4/2016						<0.1			
4/5/2016							<0.1		
5/19/2016	<0.1		<0.1						
5/20/2016		<0.1							
5/24/2016								<0.1	<0.1
5/25/2016				<0.1					
5/26/2016					<0.1	<0.1			
5/31/2016							<0.1		
6/1/2016									
7/29/2016	<0.1 (*)	<0.1 (*)	<0.1 (*)						
8/1/2016				<0.1 (*)				<0.1	
8/2/2016									<0.1 (*)
8/3/2016					<0.1 (*)				
8/4/2016						<0.1 (*)	<0.1		
9/22/2016			<0.1						
9/23/2016	<0.1 (*)	<0.1 (*)							
9/26/2016				<0.1				<0.1	
9/27/2016									<0.1
9/28/2016					0.0169 (J)	<0.1			
9/29/2016							0.0106 (J)		
11/9/2016	<0.04 (*)	<0.04 (*)							
11/10/2016			<0.04						
11/11/2016				0.0193 (J)					
11/14/2016								<0.04	
11/22/2016					0.0067 (J)	0.0072 (J)			0.0115 (J)
11/23/2016							0.0099 (J)		
1/30/2017	<0.04			<0.04					
1/31/2017		<0.04	<0.04						
2/1/2017								<0.04	
2/6/2017									<0.04
2/7/2017					<0.04				
2/8/2017						0.0069 (J)			
2/10/2017							<0.04		
2/22/2017									
3/30/2017	0.0065 (J)	<0.04							
4/3/2017			<0.04	<0.04					
4/6/2017								<0.04	<0.04
4/7/2017									
4/10/2017					<0.04	<0.04			
4/11/2017									
4/12/2017							0.009 (J)		
6/9/2017	<0.04		<0.04						
6/12/2017		<0.04		<0.04					
6/13/2017								<0.04	
6/14/2017					<0.04				<0.04
6/15/2017						<0.04	<0.04		



# Time Series

Constituent: Boron (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 applll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		<0.1
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		<0.1
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	0.022 (J)	0.02 (J)
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	0.0082 (J)	
4/10/2017		
4/11/2017		<0.04
4/12/2017		
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	0.008 (J)	
6/15/2017		

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 applll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
6/16/2017		0.0163 (J)
7/12/2017	0.0082 (J)	0.0117 (J)
7/20/2017	0.0091 (J)	
7/28/2017	<0.04	0.0071 (J)
8/9/2017	0.0071 (J)	
8/10/2017		0.0093 (J)
8/24/2017	0.0062 (J)	
10/2/2017		
10/3/2017	0.006 (J)	
10/4/2017		
10/6/2017		0.0148 (J)
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	0.0062 (J)	
3/22/2018		
3/23/2018		0.017 (J)
9/14/2018		
9/17/2018		
9/18/2018	0.0096 (J)	
9/19/2018		
9/20/2018		0.016 (J)
3/19/2019		
3/20/2019		
3/21/2019	0.0066 (J)	
3/22/2019		0.013 (J)
3/23/2019		
3/25/2019		
3/27/2019		

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
3/22/2016	32.6								
3/23/2016		54.1	46.5						
3/28/2016				7.04					
3/29/2016								11.1	
3/30/2016									22.2
3/31/2016					45				
4/4/2016						27.9			
4/5/2016							37.7		
5/19/2016	33.4		24.6						
5/20/2016		23.9							
5/24/2016								12.6	25.2
5/25/2016				13.5					
5/26/2016					41.7	28.7			
5/31/2016							38.4		
6/1/2016									
7/29/2016	26	25.3	14.9						
8/1/2016				2.2					
8/2/2016									20.8
8/3/2016					35.2				
8/4/2016						18.6	28.6		
9/22/2016			15						
9/23/2016	28.8	26.6							
9/26/2016				5.72				11.8	
9/27/2016									23.1
9/28/2016					39.2	17.7			
9/29/2016							31.4		
11/9/2016	27.9	16.1							
11/10/2016			12.6						
11/11/2016				2.5					
11/14/2016								11.3	
11/22/2016					37.2	20.2			22.3
11/23/2016							62.5		
1/30/2017	29.2			2.01					
1/31/2017		5.68	16.5						
2/1/2017								12.6	
2/6/2017									21.4
2/7/2017					38.4				
2/8/2017						24.3			
2/10/2017							31.2		
2/22/2017									
3/30/2017	30	25.2							
4/3/2017			16.6	6.26					
4/6/2017								9.84	21.1
4/7/2017									
4/10/2017					38.7	29			
4/11/2017									
4/12/2017							34.1		
6/9/2017	30.9		17.8						
6/12/2017		34.2		7.44					
6/13/2017								13	
6/14/2017					40.8				22.1
6/15/2017						29	34.2		



# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		26.5
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		26.6
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	54.7	51.6
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	46.8	
4/10/2017		
4/11/2017		45.2
4/12/2017		
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	52.4	
6/15/2017		



# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
6/16/2017		47.5
7/12/2017	51.1	51.6
7/20/2017	47.5	
7/28/2017	44	46
8/9/2017	48.3	
8/10/2017		52.2
8/24/2017	41.9	
10/2/2017		
10/3/2017	47.7	
10/4/2017		
10/6/2017		42.2
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	47.5	
3/22/2018		
3/23/2018		41.4
9/14/2018		
9/17/2018		
9/18/2018	48.1	
9/19/2018		
9/20/2018		47.5
3/19/2019		
3/20/2019		
3/21/2019	49.9	
3/22/2019		40.5
3/23/2019		
3/25/2019		
3/27/2019		

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
3/22/2016	1.5101								
3/23/2016		2.4904	0.9079						
3/28/2016				0.9204					
3/29/2016								1.6645	
3/30/2016									0.9409
3/31/2016					2.79				
4/4/2016						1.67			
4/5/2016							2.08		
5/19/2016	1.5		0.9136						
5/20/2016		1.71							
5/24/2016								1.58	0.92
5/25/2016				1.04					
5/26/2016					2.87	1.64			
5/31/2016							1.51		
6/1/2016									
7/29/2016	1.7	2	1.1						
8/1/2016				0.85				1.4	
8/2/2016									1.2
8/3/2016					3.2				
8/4/2016						1.7	1.7		
9/22/2016			1						
9/23/2016	1.8	1.8							
9/26/2016				0.87				1.4	
9/27/2016									1.1
9/28/2016					3	1.4			
9/29/2016							1.5		
11/9/2016	2	1.6							
11/10/2016			1.2						
11/11/2016				0.99					
11/14/2016								1.6	
11/22/2016					3.1	1.9			1.2
11/23/2016							1.9		
1/30/2017	1.5			0.95					
1/31/2017		1.3	1.2						
2/1/2017								1.4	
2/6/2017									1.1
2/7/2017					3				
2/8/2017						1.7			
2/10/2017							1.5		
2/22/2017									
3/30/2017	1.8	1.6							
4/3/2017			0.99	0.88					
4/6/2017								1.5	1.2
4/7/2017									
4/10/2017					2.3	1.8			
4/11/2017									
4/12/2017							1.7		
6/9/2017	1.6		0.87						
6/12/2017		1.6		0.83					
6/13/2017								1.3	
6/14/2017					2				0.92
6/15/2017						1.5	1.4		



# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		3.3
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		3.18
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	3.7	7.2
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	2.5	
4/10/2017		
4/11/2017		5.5
4/12/2017		
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	2.6	
6/15/2017		

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
6/16/2017		8.7
7/12/2017	2.8	7.5
7/20/2017	2.3	
7/28/2017	2	6.6
8/9/2017	1.8	
8/10/2017		8.5
8/24/2017	2.9	
10/2/2017		
10/3/2017	2.8	
10/4/2017		
10/6/2017		8.9
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	2.9	
3/22/2018		
3/23/2018		8.3
9/14/2018		
9/17/2018		
9/18/2018	3.1	
9/19/2018		
9/20/2018		9.6
3/19/2019		
3/20/2019		
3/21/2019	3.6	
3/22/2019		7.4
3/23/2019		
3/25/2019		
3/27/2019		

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
3/22/2016	0.0614 (J)								
3/23/2016		0.0477 (J)	0.0826 (J)						
3/28/2016				0.0326 (J)					
3/29/2016								0.00363 (J)	
3/30/2016									0.00345 (J)
3/31/2016					0.0209 (J)				
4/4/2016						0.022 (J)			
4/5/2016							0.00288 (J)		
5/19/2016	0.064 (J)		0.0409 (J)						
5/20/2016		0.033 (J)							
5/24/2016								0.0286 (J)	0.019 (J)
5/25/2016				0.0285 (J)					
5/26/2016					0.037 (J)	0.023 (J)			
5/31/2016							0.0233 (J)		
6/1/2016									
7/29/2016	0.11 (J)	0.16 (J)	0.07 (J)						
8/1/2016				<0.3				0.08 (J)	
8/2/2016									<0.3
8/3/2016					<0.3				
8/4/2016						0.05 (J)	<0.3		
9/22/2016			<0.3						
9/23/2016	0.03 (J)	0.1 (J)							
9/26/2016				<0.3				<0.3	
9/27/2016									<0.3
9/28/2016					0.05 (J)	<0.3			
9/29/2016							<0.3		
11/9/2016	0.1 (J)	0.04 (J)							
11/10/2016			0.03 (J)						
11/11/2016				<0.3					
11/14/2016								0.08 (J)	
11/22/2016					0.04 (J)	0.04 (J)			0.02 (J)
11/23/2016							0.04 (J)		
1/30/2017	<0.3			<0.3					
1/31/2017		<0.3	<0.3						
2/1/2017								<0.3	
2/6/2017									<0.3
2/7/2017					<0.3				
2/8/2017						<0.3			
2/10/2017							<0.3		
2/22/2017									
3/30/2017	0.01 (J)	0.02 (J)							
4/3/2017			0.02 (J)	0.04 (J)					
4/6/2017								<0.3	<0.3
4/7/2017									
4/10/2017					<0.3	<0.3			
4/11/2017									
4/12/2017							<0.3		
6/9/2017	0.04 (J)		0.06 (J)						
6/12/2017		0.17 (J)		0.06 (J)					
6/13/2017								0.05 (J)	
6/14/2017					<0.3				<0.3
6/15/2017						<0.3	0.06 (J)		



# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		0.044 (J)
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		0.0338 (J)
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	0.3	0.22 (J)
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	0.19 (J)	
4/10/2017		
4/11/2017		0.16 (J)
4/12/2017		
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	0.19 (J)	
6/15/2017		

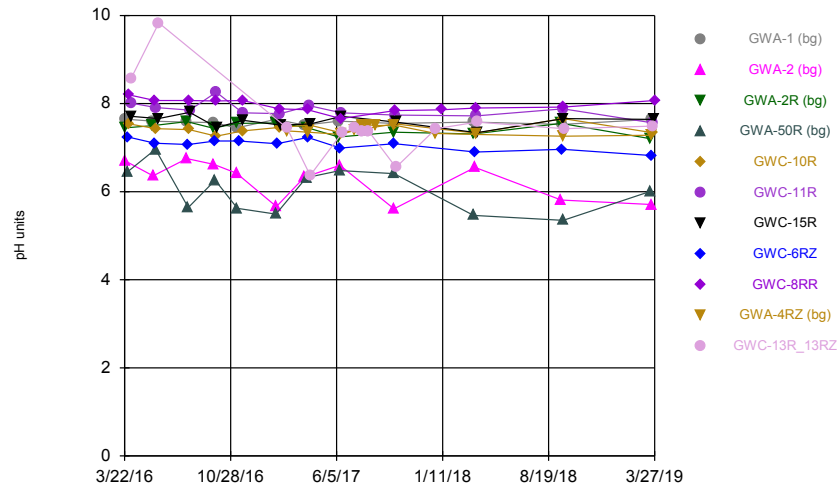


# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

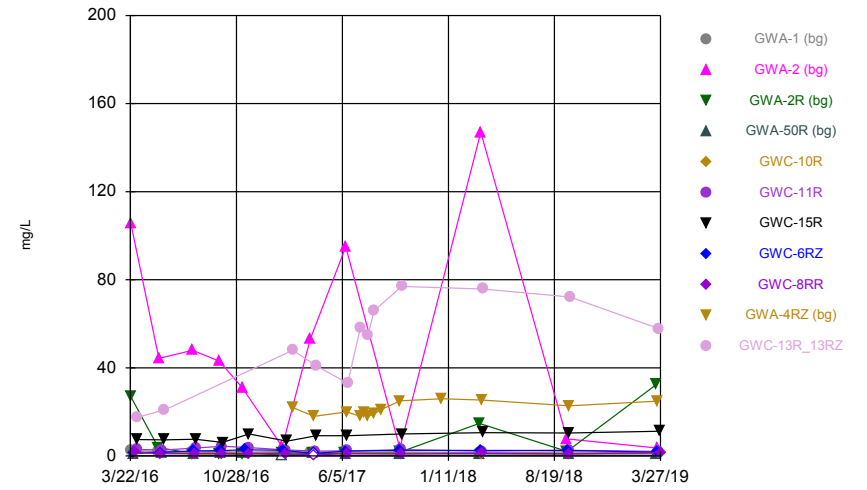
	GWA-4RZ (bg)	GWC-13R_13RZ
6/16/2017		0.2 (J)
7/12/2017	0.18 (J)	0.2 (J)
7/20/2017	0.17 (J)	
7/28/2017	0.13 (J)	0.18 (J)
8/9/2017	<0.3 (*)	
8/10/2017		<0.3 (*)
8/24/2017	0.16 (J)	
10/2/2017		
10/3/2017	0.17 (J)	
10/4/2017		
10/6/2017		0.14 (J)
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	0.24 (J)	
3/22/2018		
3/23/2018		0.24 (J)
9/14/2018		
9/17/2018		
9/18/2018	<0.3	
9/19/2018		
9/20/2018		<0.3
3/19/2019		
3/20/2019		
3/21/2019	0.19 (J)	
3/22/2019		0.12 (J)
3/23/2019		
3/25/2019		
3/27/2019		

Time Series



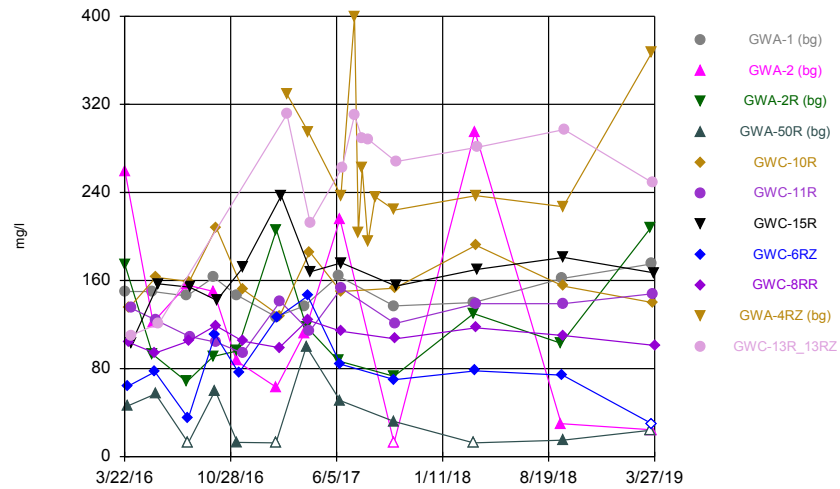
Constituent: pH Analysis Run 4/29/2019 5:16 PM View: cells 1&2 apIII bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Sulfate Analysis Run 4/29/2019 5:16 PM View: cells 1&2 apIII bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 4/29/2019 5:16 PM View: cells 1&2 apIII bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

# Time Series

Constituent: pH (pH units) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 applll bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
3/22/2016	7.65								
3/23/2016		6.7	7.45						
3/28/2016				6.45 (D)					
3/29/2016								7.24	
3/30/2016									8.2
3/31/2016					7.54				
4/4/2016						8.01			
4/5/2016							7.71		
5/19/2016	7.6		7.5						
5/20/2016		6.36							
5/24/2016								7.1	8.07
5/25/2016				6.96					
5/26/2016					7.43	7.91			
5/31/2016							7.66		
6/1/2016									
7/29/2016	7.58	6.75	7.59						
8/1/2016				5.64				7.07	
8/2/2016									8.07
8/3/2016					7.41				
8/4/2016						7.85	7.8		
9/22/2016			7.44						
9/23/2016	7.57	6.62							
9/26/2016				6.26				7.15	
9/27/2016									8.06
9/28/2016					7.26	8.26			
9/29/2016							7.46		
11/9/2016	7.45	6.42							
11/10/2016			7.55						
11/11/2016				5.62					
11/14/2016								7.15	
11/22/2016					7.38	7.79			8.07
11/23/2016							7.62		
1/30/2017	7.64			5.49					
1/31/2017		5.66	7.56						
2/1/2017								7.09	
2/6/2017									7.88
2/7/2017					7.46				
2/8/2017						7.77			
2/10/2017							7.51		
2/22/2017									
3/30/2017	7.51	6.33							
4/3/2017			7.46	6.32					
4/6/2017								7.23	7.86
4/7/2017									
4/10/2017					7.51	7.95			
4/11/2017									
4/12/2017							7.54		
6/9/2017	7.6		7.24						
6/12/2017		6.6		6.48					
6/13/2017								6.99	
6/14/2017					7.34				7.66
6/15/2017						7.79	7.71		



# Time Series

Constituent: pH (pH units) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 applll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		8.56
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		9.83
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	7.38	7.45
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	7.35	
4/10/2017		
4/11/2017		6.37
4/12/2017		
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	7.3	
6/15/2017		

# Time Series

Constituent: pH (pH units) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appllI bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
6/16/2017		7.33
7/12/2017	7.39	7.46
7/20/2017	7.44	
7/27/2017		7.37
7/28/2017	7.5	7.37
8/9/2017	7.52	7.38
8/10/2017		7.38
8/24/2017	7.5	
10/2/2017		
10/3/2017	7.51	
10/4/2017		
10/6/2017		6.55
12/28/2017	7.32 (Y)	7.43 (Y)
1/9/2018		
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	7.3	
3/22/2018		
3/23/2018		7.58
9/14/2018		
9/17/2018		
9/18/2018	7.26	
9/19/2018		
9/20/2018		7.43
3/19/2019		
3/20/2019		
3/21/2019	7.28	
3/22/2019		7.49
3/23/2019		
3/25/2019		
3/27/2019		

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
3/22/2016	2.3685								
3/23/2016		105.552	26.8249						
3/28/2016				0.9594 (J)					
3/29/2016								1.4863	
3/30/2016									1.9542
3/31/2016					1.5				
4/4/2016						2.99			
4/5/2016							7.45		
5/19/2016	2.14		3.81						
5/20/2016		44.3							
5/24/2016								1.62	0.989 (J)
5/25/2016				1.59					
5/26/2016					1.51	2.68			
5/31/2016							7.29		
6/1/2016									
7/29/2016	1.9	48	1.1						
8/1/2016				1				2.3	
8/2/2016									1
8/3/2016					1.4				
8/4/2016						3.6	7.6		
9/22/2016			0.96 (J)						
9/23/2016	2	43							
9/26/2016				1.2				2.4	
9/27/2016									0.95 (J)
9/28/2016					1.6	4.4			
9/29/2016							6.1		
11/9/2016	1.6	31							
11/10/2016			0.72 (J)						
11/11/2016				1.2					
11/14/2016								2.8	
11/22/2016					1.6	3.8			1.1
11/23/2016							10		
1/30/2017	1.8			<1 (*)					
1/31/2017		4.2	1.5						
2/1/2017								2.6	
2/6/2017									0.96 (J)
2/7/2017					2				
2/8/2017						2.7			
2/10/2017							6.7		
2/22/2017									
3/30/2017	1.6	53							
4/3/2017			1.3	1.3					
4/6/2017								<2.3 (*)	<1 (*)
4/7/2017									
4/10/2017					1.7	2.2			
4/11/2017									
4/12/2017							9.2		
6/9/2017	1.7		1.2						
6/12/2017		95		1.1					
6/13/2017								2.2	
6/14/2017					1.4				0.97 (J)
6/15/2017						2.3	9.2		





# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 applll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		17.5
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		20.9
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	22	48
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	18	
4/10/2017		
4/11/2017		41
4/12/2017		
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	20	
6/15/2017		

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-4RZ (bg)	GWC-13R_13RZ
6/16/2017		33
7/12/2017	18	58
7/20/2017	20	
7/28/2017	18	55
8/9/2017	19	
8/10/2017		66
8/24/2017	21	
10/2/2017		
10/3/2017	25	
10/4/2017		
10/6/2017		77
12/28/2017	26 (Y)	
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	25.4	
3/22/2018		
3/23/2018		75.8
9/14/2018		
9/17/2018		
9/18/2018	22.8	
9/19/2018		
9/20/2018		72.2
3/19/2019		
3/20/2019		
3/21/2019	24.9	
3/22/2019		57.9
3/23/2019		
3/25/2019		
3/27/2019		

# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWC-10R	GWC-11R	GWC-15R	GWC-6RZ	GWC-8RR
3/22/2016	150								
3/23/2016		259	174						
3/28/2016				46					
3/29/2016								64	
3/30/2016									104
3/31/2016					135				
4/4/2016						135			
4/5/2016							103		
5/19/2016	150		93						
5/20/2016		122							
5/24/2016								77	94
5/25/2016				57					
5/26/2016					163	124			
5/31/2016							157		
6/1/2016									
7/29/2016	146	156	68						
8/1/2016				<25				35	
8/2/2016									105
8/3/2016					159				
8/4/2016						109	154		
9/22/2016			91						
9/23/2016	163	150							
9/26/2016				60				111	
9/27/2016									119
9/28/2016					208	104			
9/29/2016							142		
11/9/2016	147	87							
11/10/2016			96						
11/11/2016				13 (J)					
11/14/2016								76	
11/22/2016					152	94			105
11/23/2016							172		
1/30/2017	127			<25					
1/31/2017		63	206						
2/1/2017								126	
2/6/2017									99
2/7/2017					128				
2/8/2017						141 (J)			
2/10/2017							237		
2/22/2017									
3/30/2017	137	112							
4/3/2017			118	100					
4/6/2017								146	124
4/7/2017									
4/10/2017					186	114			
4/11/2017									
4/12/2017							168		
6/9/2017	164		87						
6/12/2017		216		51					
6/13/2017								84	
6/14/2017					150				114
6/15/2017						153	176		



# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

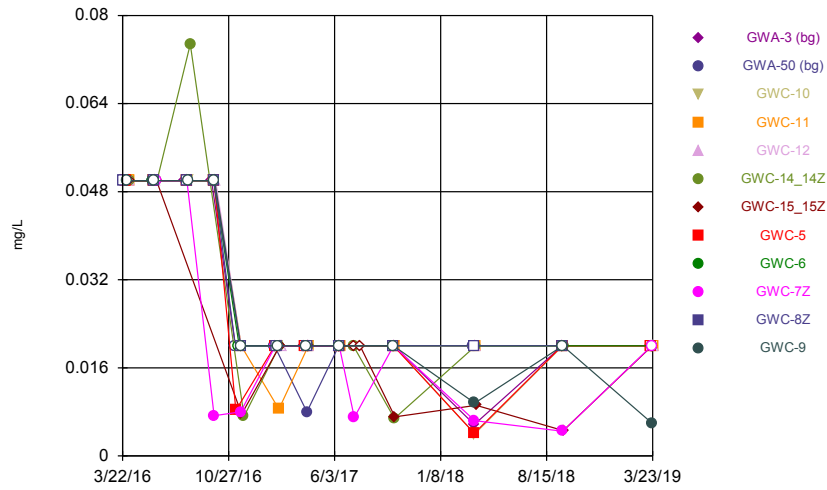
	GWA-4RZ (bg)	GWC-13R_13RZ
3/22/2016		
3/23/2016		
3/28/2016		
3/29/2016		
3/30/2016		
3/31/2016		
4/4/2016		110
4/5/2016		
5/19/2016		
5/20/2016		
5/24/2016		
5/25/2016		
5/26/2016		
5/31/2016		
6/1/2016		121
7/29/2016		
8/1/2016		
8/2/2016		
8/3/2016		
8/4/2016		
9/22/2016		
9/23/2016		
9/26/2016		
9/27/2016		
9/28/2016		
9/29/2016		
11/9/2016		
11/10/2016		
11/11/2016		
11/14/2016		
11/22/2016		
11/23/2016		
1/30/2017		
1/31/2017		
2/1/2017		
2/6/2017		
2/7/2017		
2/8/2017		
2/10/2017		
2/22/2017	329	311
3/30/2017		
4/3/2017		
4/6/2017		
4/7/2017	295	
4/10/2017		
4/11/2017		212
4/12/2017		
6/9/2017		
6/12/2017		
6/13/2017		
6/14/2017	237	
6/15/2017		

# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/29/2019 5:17 PM View: cells 1&2 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

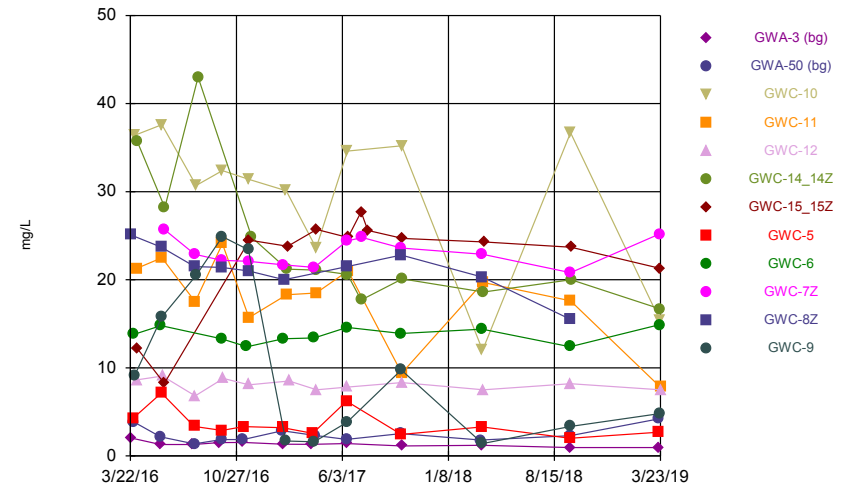
	GWA-4RZ (bg)	GWC-13R_13RZ
6/16/2017		262
7/12/2017	400	310
7/20/2017	203	
7/28/2017	262	289
8/9/2017	195	
8/10/2017		288
8/24/2017	236	
10/2/2017		
10/3/2017	224	
10/4/2017		
10/6/2017		268
3/16/2018		
3/19/2018		
3/20/2018		
3/21/2018	237	
3/22/2018		
3/23/2018		281
9/14/2018		
9/17/2018		
9/18/2018	227	
9/19/2018		
9/20/2018		297
3/19/2019		
3/20/2019		
3/21/2019	367	
3/22/2019		249
3/23/2019		
3/25/2019		
3/27/2019		

Time Series



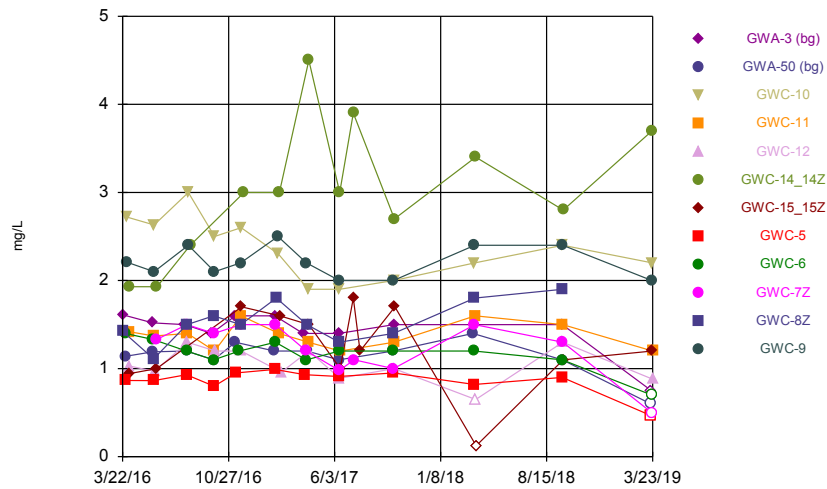
Constituent: Boron Analysis Run 4/29/2019 5:04 PM View: cells 1&2 apIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



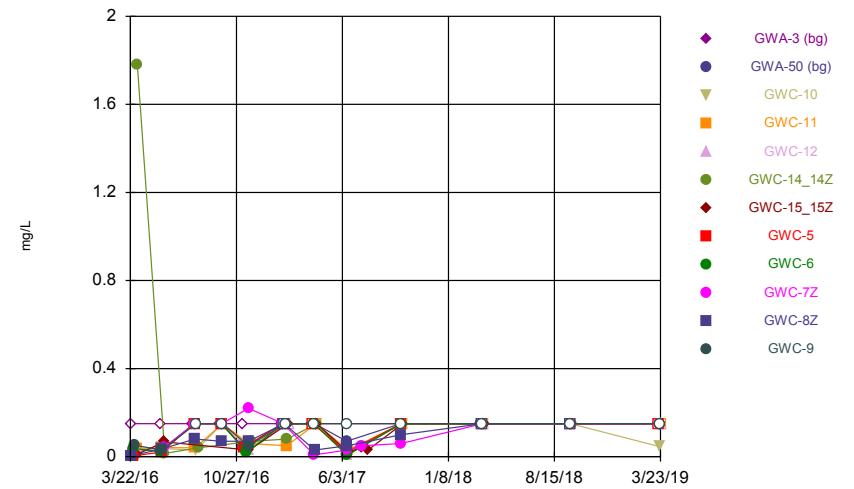
Constituent: Calcium Analysis Run 4/29/2019 5:04 PM View: cells 1&2 apIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Chloride Analysis Run 4/29/2019 5:04 PM View: cells 1&2 apIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Fluoride Analysis Run 4/29/2019 5:04 PM View: cells 1&2 apIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 applll overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
3/22/2016									
3/23/2016	<0.1								
3/28/2016		<0.1						<0.1	
3/29/2016									<0.1
3/30/2016									
3/31/2016			<0.1						
4/4/2016				<0.1	<0.1				
4/5/2016						<0.1	<0.1		
5/23/2016	<0.1	<0.1							
5/24/2016									<0.1
5/25/2016								<0.1	
5/26/2016			<0.1	<0.1					
5/27/2016					<0.1				
5/31/2016							<0.1		
6/1/2016						<0.1			
7/29/2016	<0.1 (*)								
8/1/2016		<0.1 (*)						<0.1 (*)	<0.1
8/2/2016									
8/3/2016				<0.1 (*)	<0.1				
8/5/2016			<0.1						
8/9/2016						0.0748 (D)			
9/22/2016	<0.1								
9/26/2016		<0.1							<0.1
9/27/2016								<0.1	
9/28/2016			<0.1	<0.1					
9/30/2016					<0.1				
11/10/2016	<0.04	<0.04 (*)							
11/11/2016								0.0083 (J)	
11/18/2016									<0.04
11/21/2016									
11/22/2016			<0.04	<0.04	<0.04				
11/23/2016							0.0076 (J)		
11/28/2016						0.0072 (J)			
1/30/2017		<0.04							
1/31/2017	<0.04							<0.04	
2/1/2017									<0.04
2/3/2017									
2/6/2017									
2/7/2017			<0.04						
2/8/2017				0.0085 (J)					
2/9/2017						<0.04			
2/10/2017							<0.04		
2/13/2017					<0.04				
3/30/2017	<0.04								
4/3/2017								<0.04	
4/6/2017									<0.04
4/7/2017		0.008 (J)							
4/10/2017			<0.04	<0.04					
4/11/2017					<0.04	<0.04	<0.04		
6/12/2017	<0.04	<0.04						<0.04	
6/13/2017									<0.04
6/14/2017			<0.04		<0.04	<0.04			



# Time Series

Constituent: Boron (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 applll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
6/15/2017				<0.04			<0.04		
7/12/2017						<0.04	<0.04		
7/14/2017									
7/26/2017							<0.04		
10/2/2017		<0.04							
10/3/2017								<0.04	<0.04
10/4/2017	<0.04		<0.04	<0.04	<0.04				
10/5/2017						0.0068 (J)			
10/6/2017							0.0071 (J)		
3/16/2018		<0.04							
3/19/2018	0.0057 (J)							0.0041 (J)	<0.04
3/20/2018			0.004 (J)						
3/21/2018				<0.04					
3/22/2018					<0.04	<0.04			
3/23/2018							0.0092 (J)		
9/17/2018	<0.04	<0.04						<0.04	<0.04
9/18/2018			<0.04	<0.04	<0.04				
9/19/2018						<0.04	0.0046 (J)		
3/19/2019		<0.04							
3/20/2019	<0.04							<0.04	
3/21/2019									<0.04
3/22/2019			<0.04			<0.04	<0.04		
3/23/2019				<0.04	<0.04				

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 applll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-7Z	GWC-8Z	GWC-9
3/22/2016		<0.1	
3/23/2016			
3/28/2016			
3/29/2016			
3/30/2016			<0.1
3/31/2016			
4/4/2016			
4/5/2016			
5/23/2016			
5/24/2016			
5/25/2016		<0.1	
5/26/2016			<0.1
5/27/2016			
5/31/2016	<0.1		
6/1/2016			
7/29/2016			
8/1/2016			
8/2/2016	<0.1 (*)	<0.1 (*)	
8/3/2016			
8/5/2016			<0.1
8/9/2016			
9/22/2016			
9/26/2016		<0.1	
9/27/2016	0.0073 (J)		
9/28/2016			<0.1
9/30/2016			
11/10/2016			
11/11/2016			
11/18/2016			
11/21/2016	0.008 (J)	<0.04	<0.04
11/22/2016			
11/23/2016			
11/28/2016			
1/30/2017			
1/31/2017			
2/1/2017	<0.04		
2/3/2017		<0.04	
2/6/2017			<0.04
2/7/2017			
2/8/2017			
2/9/2017			
2/10/2017			
2/13/2017			
3/30/2017			
4/3/2017			
4/6/2017	<0.04		<0.04
4/7/2017		<0.04	
4/10/2017			
4/11/2017			
6/12/2017			
6/13/2017	<0.04	<0.04	<0.04
6/14/2017			

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 applll overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-7Z	GWC-8Z	GWC-9
6/15/2017			
7/12/2017			
7/14/2017	0.007 (J)		
7/26/2017			
10/2/2017			
10/3/2017	<0.04	<0.04	<0.04
10/4/2017			
10/5/2017			
10/6/2017			
3/16/2018			
3/19/2018			
3/20/2018	0.0064 (J)	<0.04	0.0096 (J)
3/21/2018			
3/22/2018			
3/23/2018			
9/17/2018			
9/18/2018	0.0045 (J)	<0.04	<0.04 (D)
9/19/2018			
3/19/2019			
3/20/2019			
3/21/2019	<0.04		0.006 (J)
3/22/2019			
3/23/2019			

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
3/22/2016									
3/23/2016	2.05								
3/28/2016		3.89						4.29	
3/29/2016									13.8
3/30/2016									
3/31/2016			36.4						
4/4/2016				21.3	8.63				
4/5/2016						35.7	12.2		
5/23/2016	1.29	2.16							
5/24/2016									14.8
5/25/2016								7.15	
5/26/2016			37.6	22.5					
5/27/2016					9.07				
5/31/2016							8.24		
6/1/2016						28.2			
7/29/2016	1.29								
8/1/2016		1.37						3.35	
8/2/2016									
8/3/2016				17.5	6.82				
8/5/2016			30.7						
8/9/2016						43			
9/22/2016	1.51								
9/26/2016		1.86							13.3
9/27/2016								2.89	
9/28/2016			32.4	24.1					
9/30/2016					8.8				
11/10/2016	1.54	1.86							
11/11/2016								3.33	
11/18/2016									12.4
11/21/2016									
11/22/2016			31.4	15.7	8.08				
11/23/2016							24.5		
11/28/2016						24.8			
1/30/2017		2.86							
1/31/2017	1.34							3.21	
2/1/2017									13.3
2/3/2017									
2/6/2017									
2/7/2017			30.1						
2/8/2017				18.3					
2/9/2017						21.2			
2/10/2017							23.8		
2/13/2017					8.51				
3/30/2017	1.31								
4/3/2017								2.57	
4/6/2017									13.4
4/7/2017		2.34							
4/10/2017			23.6	18.5					
4/11/2017					7.5	21.1	25.7		
6/12/2017	1.4	1.87						6.22	
6/13/2017									14.6
6/14/2017			34.6		7.82	20.6			

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appIII overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
6/15/2017				21			24.8		
7/12/2017						17.7	27.7		
7/14/2017									
7/26/2017							25.6		
10/2/2017		2.53							
10/3/2017								2.45	13.9
10/4/2017	1.13		35.2	9.4	8.32				
10/5/2017						20.1			
10/6/2017							24.7		
3/16/2018		1.8							
3/19/2018	1.2							3.3	14.4 (J)
3/20/2018			12 (J)						
3/21/2018				19.7 (J)					
3/22/2018					7.5	18.6 (J)			
3/23/2018							24.3 (J)		
9/17/2018	0.95	2.3						2	12.4 (J)
9/18/2018			36.7	17.6 (J)	8.2				
9/19/2018						20 (J)	23.7 (J)		
3/19/2019		4.2							
3/20/2019	0.96							2.7	
3/21/2019									14.9 (J)
3/22/2019			15.4 (J)			16.7 (J)	21.3 (J)		
3/23/2019				7.8	7.5				

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appIII overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-7Z	GWC-8Z	GWC-9
3/22/2016		25.1	
3/23/2016			
3/28/2016			
3/29/2016			
3/30/2016			9.07
3/31/2016			
4/4/2016			
4/5/2016			
5/23/2016			
5/24/2016			
5/25/2016		23.7	
5/26/2016			15.8
5/27/2016			
5/31/2016	25.7		
6/1/2016			
7/29/2016			
8/1/2016			
8/2/2016	22.9	21.5	
8/3/2016			
8/5/2016			20.5
8/9/2016			
9/22/2016			
9/26/2016		21.4	
9/27/2016	22.2		
9/28/2016			24.9
9/30/2016			
11/10/2016			
11/11/2016			
11/18/2016			
11/21/2016	22.1	21	23.4
11/22/2016			
11/23/2016			
11/28/2016			
1/30/2017			
1/31/2017			
2/1/2017	21.7		
2/3/2017		20	
2/6/2017			1.7
2/7/2017			
2/8/2017			
2/9/2017			
2/10/2017			
2/13/2017			
3/30/2017			
4/3/2017			
4/6/2017	21.4		1.6
4/7/2017			
4/10/2017			
4/11/2017			
6/12/2017			
6/13/2017	24.4	21.5	3.82
6/14/2017			

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-7Z	GWC-8Z	GWC-9
6/15/2017			
7/12/2017			
7/14/2017	24.8		
7/26/2017			
10/2/2017			
10/3/2017	23.6	22.8	9.77
10/4/2017			
10/5/2017			
10/6/2017			
3/16/2018			
3/19/2018			
3/20/2018	22.9 (J)	20.3 (J)	1.4
3/21/2018			
3/22/2018			
3/23/2018			
9/17/2018			
9/18/2018	20.8 (J)	15.5 (J)	3.35 (D)
9/19/2018			
3/19/2019			
3/20/2019			
3/21/2019	25.2		4.8
3/22/2019			
3/23/2019			

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
3/22/2016									
3/23/2016	1.6092								
3/28/2016		1.14						0.8659	
3/29/2016									1.3977
3/30/2016									
3/31/2016			2.72						
4/4/2016				1.42	1.03				
4/5/2016						1.93	0.9439		
5/23/2016	1.52	1.19							
5/24/2016									1.33
5/25/2016								0.8639	
5/26/2016			2.63	1.37					
5/27/2016					0.9684				
5/31/2016							1		
6/1/2016						1.93			
7/29/2016	1.5								
8/1/2016		1.2						0.93	1.2
8/2/2016									
8/3/2016				1.4	1.3				
8/5/2016			3						
8/9/2016						2.4			
9/22/2016	1.4								
9/26/2016		1.1							1.1
9/27/2016								0.8	
9/28/2016			2.5	1.2					
9/30/2016					1.2				
11/10/2016	1.6	1.3							
11/11/2016								0.95	
11/18/2016									1.2
11/21/2016									
11/22/2016			2.6	1.6	1.2				
11/23/2016							1.7		
11/28/2016						3			
1/30/2017		1.2							
1/31/2017	1.6							0.99	
2/1/2017									1.3
2/3/2017									
2/6/2017									
2/7/2017			2.3						
2/8/2017				1.4					
2/9/2017						3			
2/10/2017							1.6		
2/13/2017					0.96				
3/30/2017	1.4								
4/3/2017								0.93	
4/6/2017									1.1
4/7/2017		1.2							
4/10/2017			1.9	1.3					
4/11/2017					1.2	4.5	1.5		
6/12/2017	1.4	1.1						0.91	
6/13/2017									1.2
6/14/2017			1.9		0.89	3			



# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
6/15/2017				1.2			1		
7/12/2017						3.9	1.8		
7/14/2017									
7/26/2017							1.2		
10/2/2017		1.2							
10/3/2017								0.95	1.2
10/4/2017	1.5		2	1.3	1				
10/5/2017						2.7			
10/6/2017							1.7		
3/16/2018		1.4							
3/19/2018	1.5							0.82	1.2
3/20/2018			2.2						
3/21/2018				1.6					
3/22/2018					<1.3	3.4			
3/23/2018							<0.25		
9/17/2018	1.5	1.1						0.9	1.1
9/18/2018			2.4	1.5	1.3				
9/19/2018						2.8	1.1		
3/19/2019		<1.2							
3/20/2019	<1.5							<0.93	
3/21/2019									<1.4
3/22/2019			2.2			3.7	1.2		
3/23/2019				1.2	0.88				

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-7Z	GWC-8Z	GWC-9
3/22/2016		1.4231	
3/23/2016			
3/28/2016			
3/29/2016			
3/30/2016			2.21
3/31/2016			
4/4/2016			
4/5/2016			
5/23/2016			
5/24/2016			
5/25/2016		1.11	
5/26/2016			2.1
5/27/2016			
5/31/2016	1.33		
6/1/2016			
7/29/2016			
8/1/2016			
8/2/2016	1.5	1.5	
8/3/2016			
8/5/2016			2.4
8/9/2016			
9/22/2016			
9/26/2016		1.6	
9/27/2016	1.4		
9/28/2016			2.1
9/30/2016			
11/10/2016			
11/11/2016			
11/18/2016			
11/21/2016	1.5	1.5	2.2
11/22/2016			
11/23/2016			
11/28/2016			
1/30/2017			
1/31/2017			
2/1/2017	1.5		
2/3/2017		1.8	
2/6/2017			2.5
2/7/2017			
2/8/2017			
2/9/2017			
2/10/2017			
2/13/2017			
3/30/2017			
4/3/2017			
4/6/2017	1.2		2.2
4/7/2017		1.5	
4/10/2017			
4/11/2017			
6/12/2017			
6/13/2017	0.98	1.3	2
6/14/2017			

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-7Z	GWC-8Z	GWC-9
6/15/2017			
7/12/2017			
7/14/2017	1.1		
7/26/2017			
10/2/2017			
10/3/2017	1	1.4	2
10/4/2017			
10/5/2017			
10/6/2017			
3/16/2018			
3/19/2018			
3/20/2018	1.5	1.8	2.4
3/21/2018			
3/22/2018			
3/23/2018			
9/17/2018			
9/18/2018	1.3	1.9	2.4 (D)
9/19/2018			
3/19/2019			
3/20/2019			
3/21/2019	<1		2
3/22/2019			
3/23/2019			

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appIII overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
3/22/2016									
3/23/2016	<0.3								
3/28/2016		0.0314 (J)						0.00421 (J)	
3/29/2016									0.0376 (J)
3/30/2016									
3/31/2016			0.0389 (J)						
4/4/2016				0.0357 (J)	0.035 (J)				
4/5/2016						1.78243 (J)	0.011 (J)		
5/23/2016	<0.3	0.027 (J)							
5/24/2016									0.023 (J)
5/25/2016								0.0207 (J)	
5/26/2016			0.0375 (J)	0.042 (J)					
5/27/2016					0.032 (J)				
5/31/2016							0.0669 (J)		
6/1/2016						0.0148 (J)			
7/29/2016	<0.3								
8/1/2016		<0.3						<0.3	<0.3
8/2/2016									
8/3/2016				0.04 (J)	<0.3				
8/5/2016			0.03 (J)						
8/9/2016						0.04 (J)			
9/22/2016	<0.3								
9/26/2016		<0.3							<0.3
9/27/2016								<0.3	
9/28/2016			<0.3	<0.3					
9/30/2016					<0.3				
11/10/2016	<0.3	0.04 (J)							
11/11/2016								0.04 (J)	
11/18/2016									0.02 (J)
11/21/2016									
11/22/2016			0.04 (J)	0.06 (J)	0.03 (J)				
11/23/2016							0.03 (J)		
11/28/2016						0.07 (J)			
1/30/2017		<0.3							
1/31/2017	<0.3							<0.3	
2/1/2017									<0.3
2/3/2017									
2/6/2017									
2/7/2017			<0.3						
2/8/2017				0.05 (J)					
2/9/2017						0.08 (J)			
2/10/2017							<0.3		
2/13/2017					<0.3				
3/30/2017	<0.3								
4/3/2017								<0.3	
4/6/2017									<0.3
4/7/2017		<0.3							
4/10/2017			<0.3	<0.3					
4/11/2017					<0.3	<0.3	<0.3		
6/12/2017	<0.3	0.07 (J)						0.02 (J)	
6/13/2017									0.006 (J)
6/14/2017			0.02 (J)		0.01 (J)	0.01 (J)			

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appIII overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
6/15/2017				0.03 (J)			0.02 (J)		
7/12/2017						0.05 (J)	0.04 (J)		
7/14/2017									
7/26/2017							0.03 (J)		
10/2/2017		<0.3							
10/3/2017								<0.3	<0.3
10/4/2017	<0.3		<0.3	<0.3	<0.3				
10/5/2017						<0.3			
10/6/2017							<0.3		
3/16/2018		<0.3							
3/19/2018	<0.3							<0.3	<0.3
3/20/2018			<0.3						
3/21/2018				<0.3					
3/22/2018					<0.3	<0.3			
3/23/2018							<0.3		
9/17/2018	<0.3	<0.3						<0.3	<0.3
9/18/2018			<0.3	<0.3	<0.3				
9/19/2018						<0.3	<0.3		
3/19/2019		<0.3							
3/20/2019	<0.3							<0.3	
3/21/2019									<0.3
3/22/2019			0.045 (J)			<0.3	<0.3		
3/23/2019				<0.3	<0.3				

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appIII overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

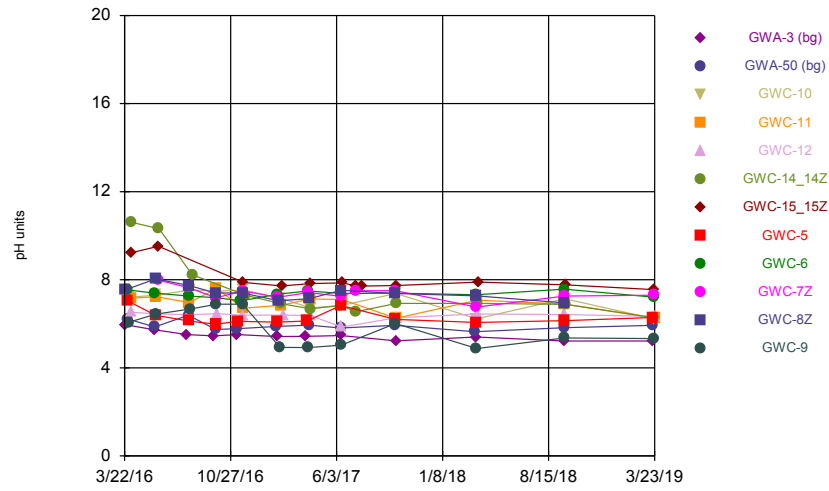
	GWC-7Z	GWC-8Z	GWC-9
3/22/2016		0.00323 (J)	
3/23/2016			
3/28/2016			
3/29/2016			
3/30/2016			0.0518 (J)
3/31/2016			
4/4/2016			
4/5/2016			
5/23/2016			
5/24/2016			
5/25/2016		0.0345 (J)	
5/26/2016			0.0307 (J)
5/27/2016			
5/31/2016	0.043 (J)		
6/1/2016			
7/29/2016			
8/1/2016			
8/2/2016	<0.3	0.08 (J)	
8/3/2016			
8/5/2016			<0.3
8/9/2016			
9/22/2016			
9/26/2016		0.07 (J)	
9/27/2016	<0.3		
9/28/2016			<0.3
9/30/2016			
11/10/2016			
11/11/2016			
11/18/2016			
11/21/2016	0.22 (J)	0.07 (J)	0.05 (J)
11/22/2016			
11/23/2016			
11/28/2016			
1/30/2017			
1/31/2017			
2/1/2017	<0.3		
2/3/2017		<0.3	
2/6/2017			<0.3
2/7/2017			
2/8/2017			
2/9/2017			
2/10/2017			
2/13/2017			
3/30/2017			
4/3/2017			
4/6/2017	0.008 (J)		<0.3
4/7/2017		0.03 (J)	
4/10/2017			
4/11/2017			
6/12/2017			
6/13/2017	0.03 (J)	0.05 (J)	<0.3
6/14/2017			

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

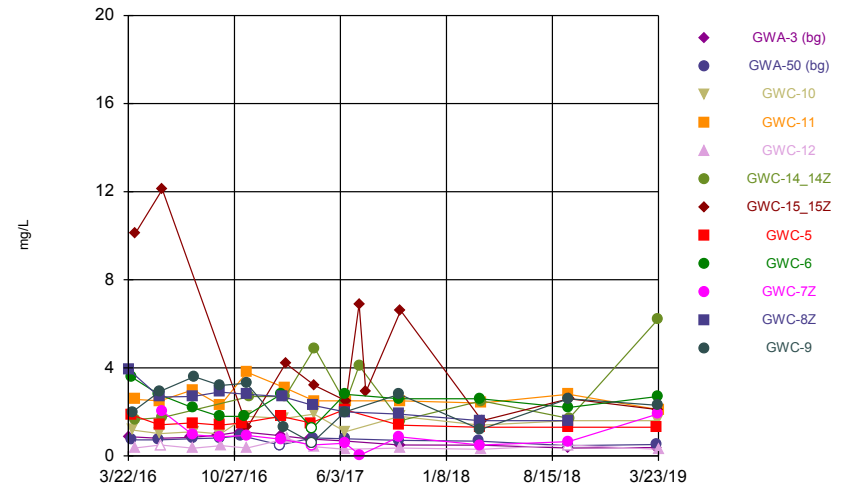
	GWC-7Z	GWC-8Z	GWC-9
6/15/2017			
7/12/2017			
7/14/2017	0.05 (J)		
7/26/2017			
10/2/2017			
10/3/2017	0.06 (J)	0.1 (J)	<0.3
10/4/2017			
10/5/2017			
10/6/2017			
3/16/2018			
3/19/2018			
3/20/2018	<0.3	<0.3	<0.3
3/21/2018			
3/22/2018			
3/23/2018			
9/17/2018			
9/18/2018	<0.3	<0.3	<0.3 (D)
9/19/2018			
3/19/2019			
3/20/2019			
3/21/2019	<0.3		<0.3
3/22/2019			
3/23/2019			

Time Series



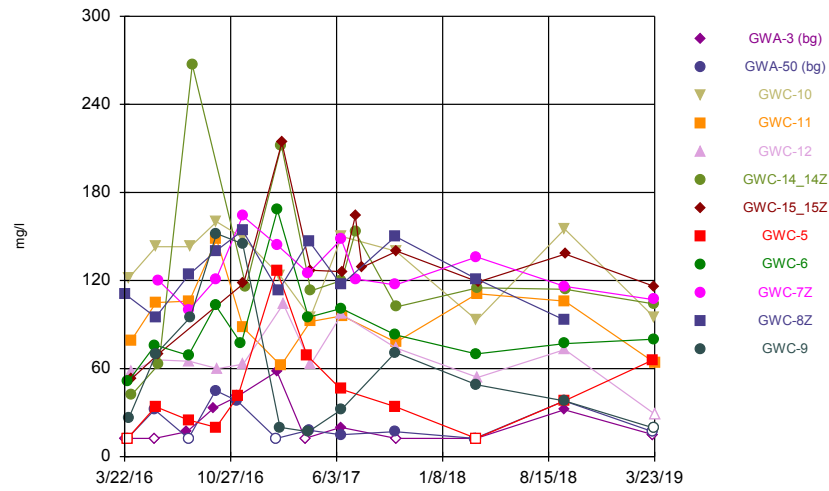
Constituent: pH Analysis Run 4/29/2019 5:04 PM View: cells 1&2 appIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Sulfate Analysis Run 4/29/2019 5:04 PM View: cells 1&2 appIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 4/29/2019 5:04 PM View: cells 1&2 appIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR



# Time Series

Constituent: pH (pH units) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 applll overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
3/22/2016									
3/23/2016	5.96								
3/28/2016		6.22						7.04	
3/29/2016									7.54
3/30/2016									
3/31/2016			7.21						
4/4/2016				7.16	6.53 (D)				
4/5/2016						10.61	9.23		
5/23/2016	5.73	5.86							
5/24/2016									7.39
5/25/2016								6.39	
5/26/2016			7.3	7.23					
5/27/2016					6.45				
5/31/2016							9.52		
6/1/2016						10.32			
7/29/2016	5.51								
8/1/2016		6.39						6.13	7.26
8/2/2016									
8/3/2016				6.96	6.41				
8/5/2016			7.54						
8/9/2016						8.23			
9/22/2016	5.45								
9/26/2016		5.74							7.19
9/27/2016								5.98	
9/28/2016			7.48	7.6					
9/30/2016					6.46				
11/10/2016	5.51	5.78							
11/11/2016								6.11	
11/18/2016									7.04
11/21/2016									
11/22/2016			7.54	6.71	6.39				
11/23/2016							7.88		
11/28/2016						7.29			
1/30/2017		5.88							
1/31/2017	5.42							6.08	
2/1/2017									7.34
2/3/2017									
2/6/2017									
2/7/2017			7.17						
2/8/2017				6.84					
2/9/2017						6.91			
2/10/2017							7.72		
2/13/2017					6.4				
3/30/2017	5.43								
4/3/2017								6.13	
4/6/2017									7.49
4/7/2017		5.94							
4/10/2017			6.72	7.13					
4/11/2017					6.37	6.68	7.83		
6/12/2017	5.47	5.81						6.83	
6/13/2017									7.38
6/14/2017			6.83		5.85	6.84			

# Time Series

Constituent: pH (pH units) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
6/15/2017				7.1			7.86		
7/12/2017						6.54	7.73		
7/14/2017									
7/26/2017							7.71		
10/2/2017		5.93							
10/3/2017								6.2	7.39
10/4/2017	5.23		7.38	6.25	6.27				
10/5/2017						6.93			
10/6/2017							7.74		
3/16/2018		5.64							
3/19/2018	5.4							6.06	7.32
3/20/2018			6.23						
3/21/2018				7.07					
3/22/2018					6.45	6.93			
3/23/2018							7.89		
9/17/2018	5.22	5.82						6.14	7.57
9/18/2018			7.14	6.9	6.42				
9/19/2018						6.88	7.77		
3/19/2019		5.93							
3/20/2019	5.22							6.29	
3/21/2019									7.21
3/22/2019			6.23			6.27	7.55		
3/23/2019				6.27	6.34				

# Time Series

Constituent: pH (pH units) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-7Z	GWC-8Z	GWC-9
3/22/2016		7.53 (D)	
3/23/2016			
3/28/2016			
3/29/2016			
3/30/2016			6.07
3/31/2016			
4/4/2016			
4/5/2016			
5/23/2016			
5/24/2016			
5/25/2016		8.04	
5/26/2016			6.44
5/27/2016			
5/31/2016	7.98		
6/1/2016			
7/29/2016			
8/1/2016			
8/2/2016	7.64	7.74	
8/3/2016			
8/5/2016			6.67
8/9/2016			
9/22/2016			
9/26/2016		7.4	
9/27/2016	7.18		
9/28/2016			6.89
9/30/2016			
11/10/2016			
11/11/2016			
11/18/2016			
11/21/2016	7.49	7.4	6.89
11/22/2016			
11/23/2016			
11/28/2016			
1/30/2017			
1/31/2017			
2/1/2017	7.2		
2/3/2017		7.05	
2/6/2017			4.93
2/7/2017			
2/8/2017			
2/9/2017			
2/10/2017			
2/13/2017			
3/30/2017			
4/3/2017			
4/6/2017	7.42		4.92
4/7/2017		7.14	
4/10/2017			
4/11/2017			
6/12/2017			
6/13/2017	7.25	7.52	5.03
6/14/2017			

# Time Series

Constituent: pH (pH units) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-7Z	GWC-8Z	GWC-9
6/15/2017			
7/12/2017			
7/14/2017	7.5		
7/26/2017			
10/2/2017			
10/3/2017	7.5	7.38	6.01
10/4/2017			
10/5/2017			
10/6/2017			
3/16/2018			
3/19/2018			
3/20/2018	6.76	7.27	4.88
3/21/2018			
3/22/2018			
3/23/2018			
9/17/2018			
9/18/2018	7.26	6.95	5.36 (D)
9/19/2018			
3/19/2019			
3/20/2019			
3/21/2019	7.3		5.33
3/22/2019			
3/23/2019			

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
3/22/2016									
3/23/2016	0.8724 (J)								
3/28/2016		0.7283 (J)						1.87	
3/29/2016									3.5801
3/30/2016									
3/31/2016			1.17						
4/4/2016				2.57	0.3574 (J)				
4/5/2016						1.65	10.1		
5/23/2016	0.805 (J)	0.728 (J)							
5/24/2016									2.79
5/25/2016								1.41	
5/26/2016			1.01	2.5					
5/27/2016					<1				
5/31/2016							12.1		
6/1/2016						1.75			
7/29/2016	0.84 (J)								
8/1/2016		0.78 (J)						1.5	2.2
8/2/2016									
8/3/2016				3	0.35 (J)				
8/5/2016			1.1						
9/22/2016	0.94 (J)								
9/26/2016		0.82 (J)							1.8
9/27/2016								1.4	
9/28/2016			1	2.3					
9/30/2016					0.47 (J)				
11/10/2016	1.1	0.92 (J)							
11/11/2016							1.5		
11/18/2016									1.8
11/21/2016									
11/22/2016			1.8	3.8	0.36 (J)				
11/23/2016							1.3		
11/28/2016						2.7			
1/30/2017		<1 (*)							
1/31/2017	0.92 (J)							1.8	
2/1/2017									2.8
2/3/2017									
2/6/2017									
2/7/2017			1.7						
2/8/2017				3.1					
2/9/2017						2.7			
2/10/2017							4.2		
2/13/2017					0.79 (J)				
3/30/2017	0.77 (J)								
4/3/2017								1.5	
4/6/2017									<2.5 (*)
4/7/2017		0.82 (J)							
4/10/2017			1.9	2.5					
4/11/2017					0.42 (J)	4.9	3.2		
6/12/2017	0.68 (J)	0.78 (J)						2.1	
6/13/2017									2.8
6/14/2017			1.1		0.3 (J)	2.4			
6/15/2017				2.5			2.5		

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
7/12/2017						4.1	6.9		
7/14/2017									
7/26/2017							2.9		
10/2/2017		0.71 (J)							
10/3/2017								1.4	2.6
10/4/2017	0.5 (J)		1.8	2.5	0.36 (J)				
10/5/2017						1.6			
10/6/2017							6.6		
3/16/2018		0.67 (J)							
3/19/2018	0.49 (J)							1.3	2.6
3/20/2018			1.4						
3/21/2018				2.4					
3/22/2018					0.3 (J)	2.5			
3/23/2018							1.6		
9/17/2018	0.36 (J)	0.47 (J)						1.3	2.2
9/18/2018			1.6	2.8	<1				
9/19/2018						1.7	2.6		
3/19/2019		0.52 (J)							
3/20/2019	0.38 (J)							1.3	
3/21/2019									2.7
3/22/2019			1.6			6.2	2.1		
3/23/2019				2.1	0.3 (J)				

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-7Z	GWC-8Z	GWC-9
3/22/2016		3.9321	
3/23/2016			
3/28/2016			
3/29/2016			
3/30/2016			2
3/31/2016			
4/4/2016			
4/5/2016			
5/23/2016			
5/24/2016			
5/25/2016		2.68	
5/26/2016			2.93
5/27/2016			
5/31/2016	2.03		
6/1/2016			
7/29/2016			
8/1/2016			
8/2/2016	0.96 (J)	2.7	
8/3/2016			
8/5/2016			3.6
9/22/2016			
9/26/2016		2.9	
9/27/2016	0.87 (J)		
9/28/2016			3.2
9/30/2016			
11/10/2016			
11/11/2016			
11/18/2016			
11/21/2016	0.93 (J)	2.8	3.3
11/22/2016			
11/23/2016			
11/28/2016			
1/30/2017			
1/31/2017			
2/1/2017	0.76 (J)		
2/3/2017		2.7	
2/6/2017			1.3
2/7/2017			
2/8/2017			
2/9/2017			
2/10/2017			
2/13/2017			
3/30/2017			
4/3/2017			
4/6/2017	<1 (*)		<1.2 (*)
4/7/2017		2.3	
4/10/2017			
4/11/2017			
6/12/2017			
6/13/2017	0.58 (J)	2	2
6/14/2017			
6/15/2017			

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWC-7Z	GWC-8Z	GWC-9
7/12/2017			
7/14/2017	0.04 (J)		
7/26/2017			
10/2/2017			
10/3/2017	0.87 (J)	1.9	2.8
10/4/2017			
10/5/2017			
10/6/2017			
3/16/2018			
3/19/2018			
3/20/2018	0.5 (J)	1.6	1.2
3/21/2018			
3/22/2018			
3/23/2018			
9/17/2018			
9/18/2018	0.65 (J)	1.6	2.6
9/19/2018			
3/19/2019			
3/20/2019			
3/21/2019	1.9		2.3
3/22/2019			
3/23/2019			



# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
3/22/2016									
3/23/2016	<25								
3/28/2016		<25						<25	
3/29/2016									51
3/30/2016									
3/31/2016			122						
4/4/2016				79	58				
4/5/2016						42	53		
5/23/2016	<25	32							
5/24/2016									76
5/25/2016								34	
5/26/2016			143	105					
5/27/2016					66				
5/31/2016							70		
6/1/2016						63			
7/29/2016	17 (J)								
8/1/2016		<25						25	69
8/2/2016									
8/3/2016				106	65				
8/5/2016			143						
8/9/2016						267			
9/22/2016	33								
9/26/2016		45							103
9/27/2016								20 (J)	
9/28/2016			160	148					
9/30/2016					60				
11/10/2016	41	38							
11/11/2016								41	
11/18/2016									77
11/21/2016									
11/22/2016			149	88	63				
11/23/2016							118		
11/28/2016						116			
1/30/2017		<25							
1/31/2017	58							127	
2/1/2017									168
2/3/2017									
2/6/2017									
2/7/2017			123						
2/8/2017				62					
2/9/2017						212 (J)			
2/10/2017							214		
2/13/2017					104 (J)				
3/30/2017	<25								
4/3/2017								69	
4/6/2017									95
4/7/2017		18 (J)							
4/10/2017			95	92					
4/11/2017					63	113	127		
6/12/2017	20 (J)	15 (J)						46	
6/13/2017									101
6/14/2017			150		97	120			

# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

	GWA-3 (bg)	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-14_14Z	GWC-15_15Z	GWC-5	GWC-6
6/15/2017				96			126		
7/12/2017						153	164		
7/14/2017									
7/26/2017							129		
10/2/2017		17 (J)							
10/3/2017								34	83
10/4/2017	<25		140	78	74				
10/5/2017						102			
10/6/2017							140		
3/16/2018		<25							
3/19/2018	<25							<25	70
3/20/2018			93						
3/21/2018				111					
3/22/2018					54	115			
3/23/2018							119		
9/17/2018	32	38						38	77
9/18/2018			155	106	73				
9/19/2018						114	138		
3/19/2019		<34							
3/20/2019	<30							66	
3/21/2019									80
3/22/2019			95			104	116		
3/23/2019				64	<58				

# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appll overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

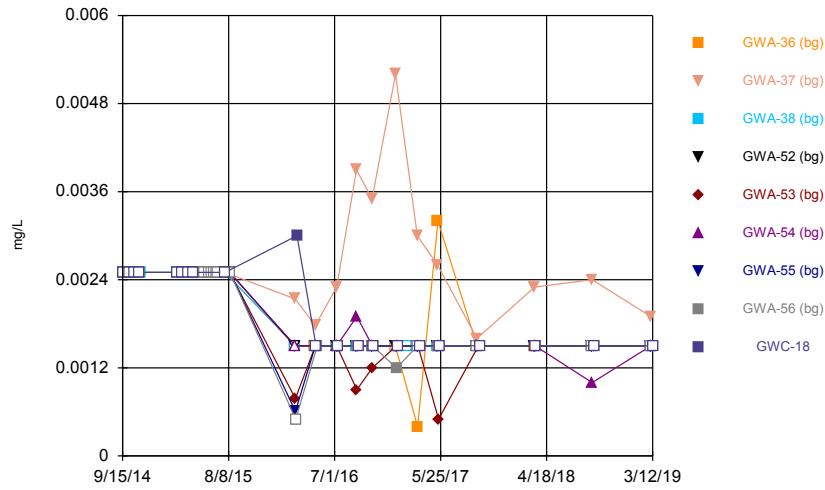
	GWC-7Z	GWC-8Z	GWC-9
3/22/2016		111	
3/23/2016			
3/28/2016			
3/29/2016			
3/30/2016			26
3/31/2016			
4/4/2016			
4/5/2016			
5/23/2016			
5/24/2016			
5/25/2016		95	
5/26/2016			70
5/27/2016			
5/31/2016	120		
6/1/2016			
7/29/2016			
8/1/2016			
8/2/2016	100	124	
8/3/2016			
8/5/2016			95
8/9/2016			
9/22/2016			
9/26/2016		140	
9/27/2016	121		
9/28/2016			152
9/30/2016			
11/10/2016			
11/11/2016			
11/18/2016			
11/21/2016	164	154	145
11/22/2016			
11/23/2016			
11/28/2016			
1/30/2017			
1/31/2017			
2/1/2017	144		
2/3/2017		113	
2/6/2017			20 (J)
2/7/2017			
2/8/2017			
2/9/2017			
2/10/2017			
2/13/2017			
3/30/2017			
4/3/2017			
4/6/2017	125		17 (J)
4/7/2017		147	
4/10/2017			
4/11/2017			
6/12/2017			
6/13/2017	148	117	32
6/14/2017			

# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/29/2019 5:05 PM View: cells 1&2 appIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 1-2 CCR

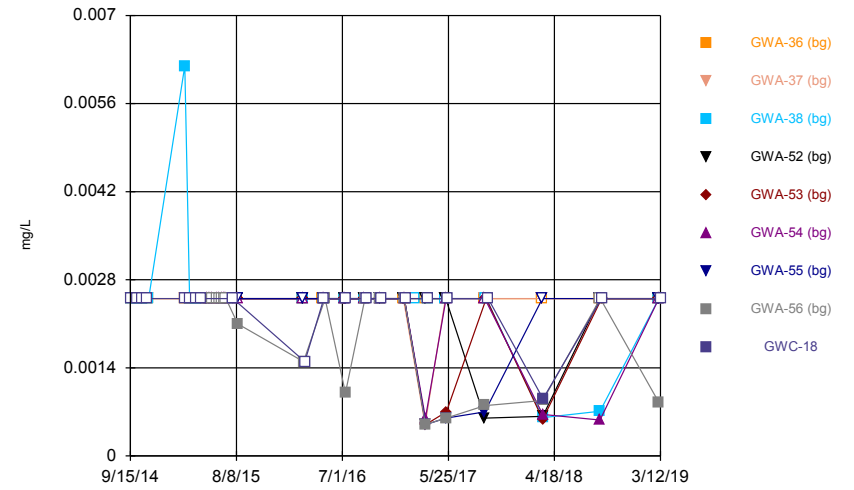
	GWC-7Z	GWC-8Z	GWC-9
6/15/2017			
7/12/2017			
7/14/2017	121		
7/26/2017			
10/2/2017			
10/3/2017	117	150	71
10/4/2017			
10/5/2017			
10/6/2017			
3/16/2018			
3/19/2018			
3/20/2018	136	121	49
3/21/2018			
3/22/2018			
3/23/2018			
9/17/2018			
9/18/2018	116	93	38
9/19/2018			
3/19/2019			
3/20/2019			
3/21/2019	107		<39
3/22/2019			
3/23/2019			

Time Series



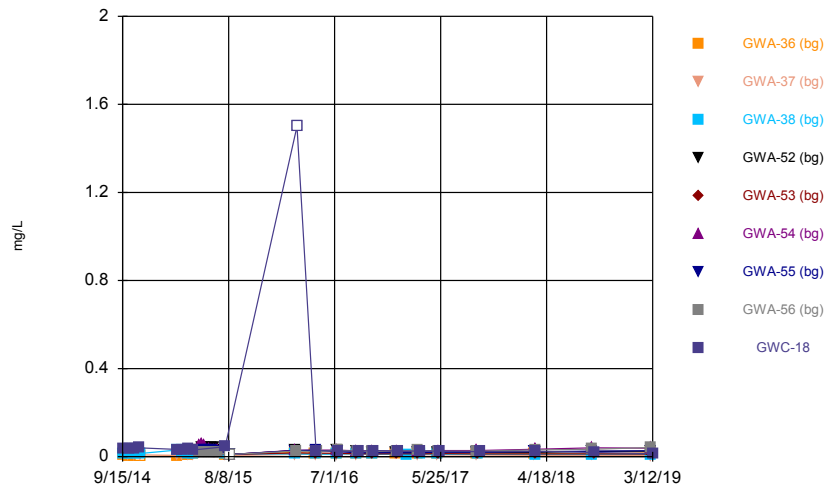
Constituent: Antimony Analysis Run 4/26/2019 10:07 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



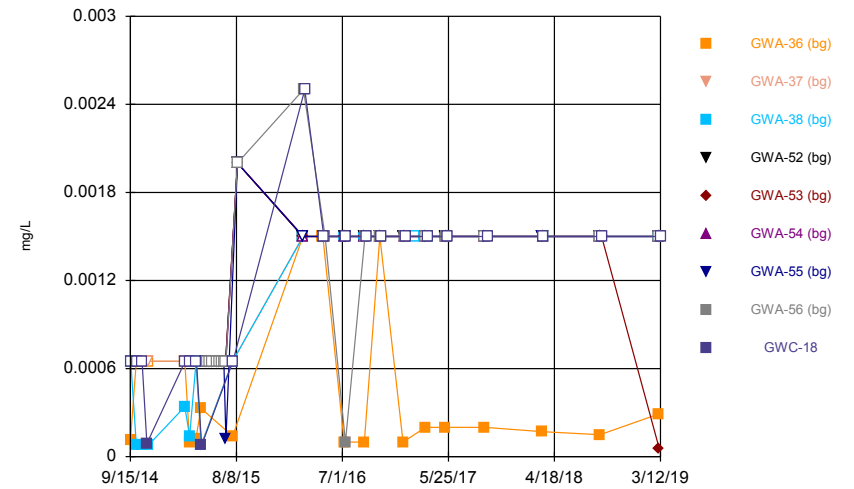
Constituent: Arsenic Analysis Run 4/26/2019 10:07 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Barium Analysis Run 4/26/2019 10:07 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Beryllium Analysis Run 4/26/2019 10:07 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/26/2019 10:20 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	<0.005								
9/16/2014		<0.005	<0.005						
9/17/2014									<0.005
10/3/2014	<0.005	<0.005	<0.005						
10/4/2014									<0.005
10/20/2014	<0.005	<0.005	<0.005						
10/21/2014									<0.005
11/5/2014									<0.005
11/10/2014	<0.005	<0.005	<0.005						
3/2/2015	<0.005	<0.005	<0.005						
3/3/2015									<0.005
3/17/2015	<0.005	<0.005	<0.005						
3/18/2015									<0.005
4/5/2015	<0.005	<0.005							
4/6/2015			<0.005						
4/7/2015									<0.005
4/21/2015	<0.005								
4/22/2015		<0.005	<0.005						
4/23/2015									<0.005
5/8/2015				<0.005					
5/9/2015					<0.005	<0.005	<0.005	<0.005	
5/17/2015				<0.005					
5/18/2015					<0.005	<0.005	<0.005		
5/19/2015								<0.005	
5/25/2015				<0.005	<0.005	<0.005			
5/26/2015							<0.005	<0.005	
6/8/2015				<0.005	<0.005				
6/9/2015						<0.005	<0.005	<0.005	
6/17/2015					<0.005	<0.005	<0.005	<0.005	
6/18/2015				<0.005					
6/24/2015				<0.005	<0.005				
6/25/2015						<0.005	<0.005	<0.005	
6/30/2015				<0.005	<0.005				
7/1/2015						<0.005	<0.005	<0.005	
7/6/2015				<0.005	<0.005				
7/7/2015						<0.005	<0.005	<0.005	
7/28/2015	<0.005	<0.005	<0.005						
7/29/2015									<0.005
8/12/2015				<0.005	<0.005	<0.005			
8/13/2015							<0.005	<0.005	
2/29/2016				<0.003					
3/1/2016	<0.003	0.00214 (J)							
3/2/2016			<0.003		0.000782 (J)	<0.003	0.000608 (J)		
3/3/2016								<0.001	
3/7/2016									0.003
5/2/2016	<0.003								
5/3/2016		0.00178 (J)	<0.003		<0.003		<0.003		
5/4/2016				<0.003		<0.003			
5/5/2016									<0.003
5/9/2016								<0.003	
7/7/2016	<0.003 (*)		<0.003						
7/8/2016		0.0023 (J)		<0.003 (*)	<0.003 (*)	<0.003			



# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/26/2019 10:20 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	<0.005								
9/16/2014		<0.005	<0.005						
9/17/2014									<0.005
10/3/2014	<0.005	<0.005	<0.005						
10/4/2014									<0.005
10/20/2014	<0.005	<0.005	<0.005						
10/21/2014									<0.005
11/5/2014									<0.005
11/10/2014	<0.005	<0.005	<0.005						
3/2/2015	<0.005	<0.005	0.0062						
3/3/2015									<0.005
3/17/2015	<0.005	<0.005	<0.005						
3/18/2015									<0.005
4/5/2015	<0.005	<0.005							
4/6/2015			<0.005						
4/7/2015									<0.005
4/21/2015	<0.005								
4/22/2015		<0.005	<0.005						
4/23/2015									<0.005
5/8/2015				<0.005					
5/9/2015					<0.005	<0.005	<0.005	<0.005	
5/17/2015				<0.005					
5/18/2015					<0.005	<0.005	<0.005		
5/19/2015								<0.005	
5/25/2015				<0.005	<0.005	<0.005			
5/26/2015							<0.005	<0.005	
6/8/2015				<0.005	<0.005				
6/9/2015						<0.005	<0.005	<0.005	
6/17/2015					<0.005	<0.005	<0.005	<0.005	
6/18/2015				<0.005					
6/24/2015				<0.005	<0.005				
6/25/2015						<0.005	<0.005	<0.005	
6/30/2015				<0.005	<0.005				
7/1/2015						<0.005	<0.005	<0.005	
7/6/2015				<0.005	<0.005				
7/7/2015						<0.005	<0.005	<0.005	
7/28/2015	<0.005	<0.005	<0.005						
7/29/2015									<0.005
8/12/2015				<0.005	<0.005	<0.005			
8/13/2015							<0.005	0.0021 (J)	
2/29/2016				<0.005					
3/1/2016	<0.005	<0.005							
3/2/2016			<0.005		<0.005	<0.005	<0.005		
3/3/2016								<0.003	
3/7/2016									<0.003
5/2/2016	<0.005								
5/3/2016		<0.005	<0.005		<0.005		<0.005		
5/4/2016				<0.005		<0.005			
5/5/2016									<0.005
5/9/2016								<0.005	
7/7/2016	<0.005		<0.005						
7/8/2016		<0.005		<0.005	<0.005	<0.005			





# Time Series

Constituent: Barium (mg/L) Analysis Run 4/26/2019 10:20 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	0.0069								
9/16/2014		0.0071	0.014						
9/17/2014									0.035
10/3/2014	0.0045	0.0087	0.016						
10/4/2014									0.038
10/20/2014	0.0044	0.0085	0.014						
10/21/2014									0.034
11/5/2014									0.04
11/10/2014	<0.0013	0.008	0.015						
3/2/2015	0.0045	0.0063	0.03						
3/3/2015									0.033
3/17/2015	0.0078	0.0066	0.018						
3/18/2015									0.031
4/5/2015	0.01	0.0068							
4/6/2015			0.014						
4/7/2015									0.038
4/21/2015	0.013								
4/22/2015		0.0094	0.012						
4/23/2015									0.031
5/8/2015				0.033					
5/9/2015					0.044	0.054	0.022	0.018	
5/17/2015				0.04					
5/18/2015					0.04	0.058	0.031		
5/19/2015								0.02	
5/25/2015				0.039	0.036	0.051			
5/26/2015							0.028	0.02	
6/8/2015				0.031	0.028				
6/9/2015						0.034	0.031	0.02	
6/17/2015					0.026	0.032	0.029	0.019	
6/18/2015				0.039					
6/24/2015				0.042	0.021				
6/25/2015						0.032	0.024	0.019	
6/30/2015				0.033	0.018				
7/1/2015						0.029	0.026	0.018	
7/6/2015				0.031	0.018				
7/7/2015						0.029	0.027	0.019	
7/28/2015	0.011	0.0057	0.012						
7/29/2015									0.045
8/12/2015				<0.02	<0.02	<0.02	<0.02	<0.02	
2/29/2016				0.028					
3/1/2016	0.0189	0.0101							
3/2/2016			0.0123		0.017	0.0297	0.0276		
3/3/2016								0.0259	
3/7/2016									<3
5/2/2016	0.0133								
5/3/2016		0.0104	0.0114		0.016		0.0291		
5/4/2016				0.0273		0.0299			
5/5/2016									0.0278
5/9/2016								0.0236	
7/7/2016	0.013		0.012						
7/8/2016		0.0095 (J)		0.0284	0.0156	0.0294			
7/11/2016							0.0225	0.0295	



# Time Series

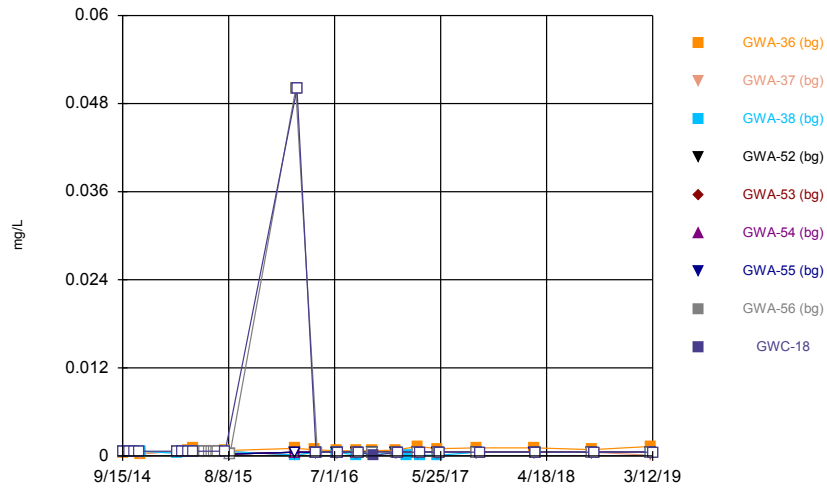
Constituent: Beryllium (mg/L) Analysis Run 4/26/2019 10:20 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	0.00011 (J)								
9/16/2014		<0.0013	<0.0013						
9/17/2014									<0.0013
10/3/2014	<0.0013	<0.0013	8.3E-05 (J)						
10/4/2014									<0.0013
10/20/2014	<0.0013	<0.0013	7.8E-05 (J)						
10/21/2014									<0.0013
11/5/2014									9E-05 (J)
11/10/2014	<0.0013	<0.0013	8E-05 (J)						
3/2/2015	<0.0013	<0.0013	0.00034 (J)						
3/3/2015									<0.0013
3/17/2015	0.0001 (J)	<0.0013	0.00014 (J)						
3/18/2015									<0.0013
4/5/2015	0.00012 (J)	<0.0013							
4/6/2015			<0.0013						
4/7/2015									<0.0013
4/21/2015	0.00033 (J)								
4/22/2015		8.3E-05 (J)	7.8E-05 (J)						
4/23/2015									7.8E-05 (J)
5/8/2015				<0.0013					
5/9/2015					<0.0013	<0.0013	<0.0013	<0.0013	
5/17/2015				<0.0013					
5/18/2015					<0.0013	<0.0013	<0.0013		
5/19/2015								<0.0013	
5/25/2015				<0.0013	<0.0013	<0.0013			
5/26/2015							<0.0013	<0.0013	
6/8/2015				<0.0013	<0.0013				
6/9/2015						<0.0013	<0.0013	<0.0013	
6/17/2015					<0.0013	<0.0013	<0.0013	<0.0013	
6/18/2015				<0.0013					
6/24/2015				<0.0013	<0.0013				
6/25/2015						<0.0013	<0.0013	<0.0013	
6/30/2015				<0.0013	<0.0013				
7/1/2015						<0.0013	<0.0013	<0.0013	
7/6/2015				<0.0013	<0.0013				
7/7/2015						<0.0013	0.00012 (J)	<0.0013	
7/28/2015	0.00014 (J)	<0.0013	<0.0013						
7/29/2015									<0.0013
8/12/2015				<0.004	<0.004	<0.004	<0.004	<0.004	
2/29/2016				<0.003					
3/1/2016	<0.003	<0.003							
3/2/2016			<0.003		<0.003	<0.003	<0.003		
3/3/2016								<0.005	
3/7/2016									<0.005
5/2/2016	<0.003								
5/3/2016		<0.003	<0.003		<0.003		<0.003		
5/4/2016				<0.003		<0.003			
5/5/2016									<0.003
5/9/2016								<0.003	
7/7/2016	0.0001 (J)		<0.003						
7/8/2016		<0.003		<0.003	<0.003	<0.003			
7/11/2016							<0.003	0.0001 (J)	

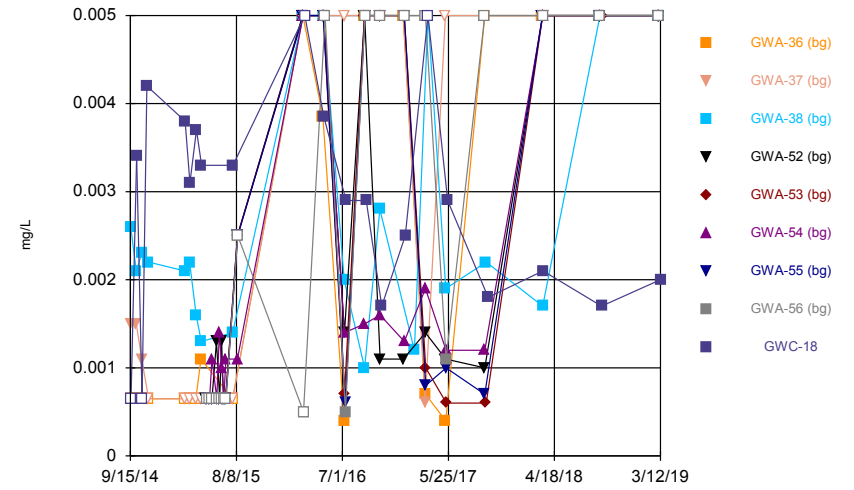


Time Series



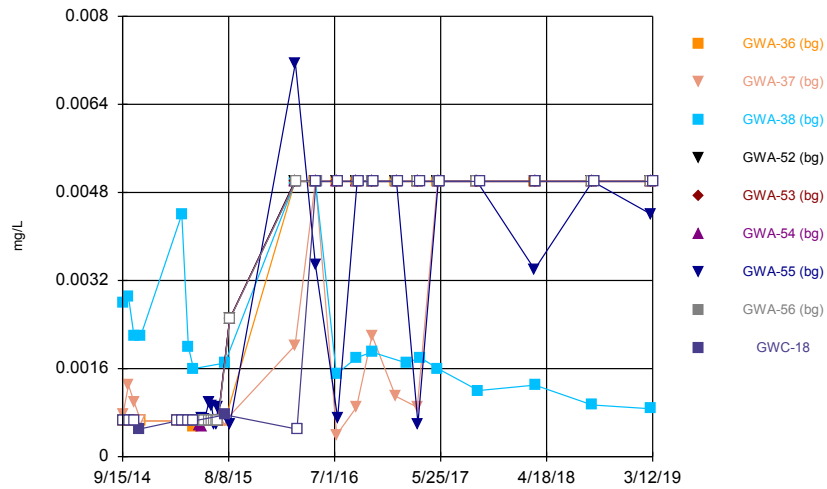
Constituent: Cadmium Analysis Run 4/26/2019 10:08 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



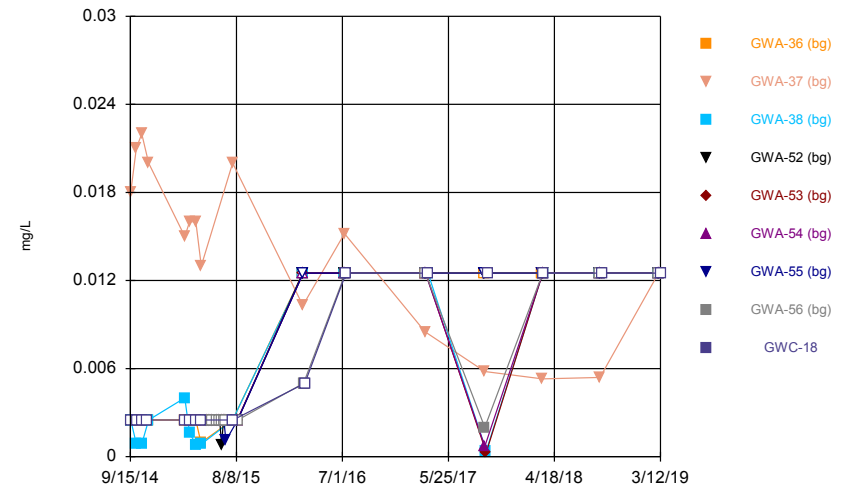
Constituent: Chromium Analysis Run 4/26/2019 10:08 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Cobalt Analysis Run 4/26/2019 10:09 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Copper Analysis Run 4/26/2019 10:09 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/26/2019 10:21 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	0.00035 (J)								
9/16/2014		<0.0013	<0.0013						
9/17/2014									<0.0013
10/3/2014	<0.0013	<0.0013	<0.0013						
10/4/2014									<0.0013
10/20/2014	<0.0013	<0.0013	<0.0013						
10/21/2014									<0.0013
11/5/2014									<0.0013
11/10/2014	0.00033 (J)	0.00026 (J)	<0.0013						
3/2/2015	<0.0013	<0.0013	0.00035 (J)						
3/3/2015									<0.0013
3/17/2015	0.00057 (J)	<0.0013	<0.0013						
3/18/2015									<0.0013
4/5/2015	0.00068 (J)	<0.0013							
4/6/2015			<0.0013						
4/7/2015									<0.0013
4/21/2015	0.0011 (J)								
4/22/2015		<0.0013	<0.0013						
4/23/2015									<0.0013
5/8/2015				<0.0013					
5/9/2015					<0.0013	<0.0013	<0.0013	<0.0013	
5/17/2015				<0.0013					
5/18/2015					<0.0013	<0.0013	<0.0013		
5/19/2015								<0.0013	
5/25/2015				<0.0013	<0.0013	<0.0013			
5/26/2015							<0.0013	<0.0013	
6/8/2015				<0.0013	<0.0013				
6/9/2015						<0.0013	<0.0013	<0.0013	
6/17/2015					<0.0013	<0.0013	<0.0013	<0.0013	
6/18/2015				<0.0013					
6/24/2015				<0.0013	<0.0013				
6/25/2015						<0.0013	<0.0013	<0.0013	
6/30/2015				<0.0013	<0.0013				
7/1/2015						<0.0013	<0.0013	<0.0013	
7/6/2015				<0.0013	<0.0013				
7/7/2015						<0.0013	<0.0013	<0.0013	
7/28/2015	0.00073 (J)	<0.0013	<0.0013						
7/29/2015									<0.0013
8/12/2015				<0.0005	<0.0005	<0.0005			
8/13/2015							<0.0005	<0.0005	
2/29/2016				<0.001					
3/1/2016	0.00103	0.000103 (J)							
3/2/2016			0.000109 (J)		<0.001	<0.001	<0.001		
3/3/2016								<0.1	
3/7/2016									<0.1
5/2/2016	0.000846 (J)								
5/3/2016		<0.001	<0.001		<0.001		<0.001		
5/4/2016				<0.001		<0.001			
5/5/2016									<0.001
5/9/2016								<0.001	
7/7/2016	0.0007 (J)		<0.001						
7/8/2016		<0.001		<0.001	<0.001	<0.001			





# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/26/2019 10:21 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	<0.0013								
9/16/2014		0.0015	0.0026						
9/17/2014									<0.0013
10/3/2014	<0.0013	0.0015	0.0021						
10/4/2014									0.0034
10/20/2014	<0.0013	0.0011 (J)	0.0023						
10/21/2014									<0.0013
11/5/2014									0.0042
11/10/2014	<0.0013	<0.0013	0.0022						
3/2/2015	<0.0013	<0.0013	0.0021						
3/3/2015									0.0038
3/17/2015	<0.0013	<0.0013	0.0022						
3/18/2015									0.0031
4/5/2015	<0.0013	<0.0013							
4/6/2015			0.0016						
4/7/2015									0.0037
4/21/2015	0.0011 (J)								
4/22/2015		<0.0013	0.0013						
4/23/2015									0.0033
5/8/2015				<0.0013					
5/9/2015					<0.0013	<0.0013	<0.0013	<0.0013	
5/17/2015				<0.0013					
5/18/2015					<0.0013	<0.0013	<0.0013		
5/19/2015								<0.0013	
5/25/2015				<0.0013	<0.0013	0.0011 (J)			
5/26/2015							<0.0013	<0.0013	
6/8/2015				0.0013	<0.0013				
6/9/2015						<0.0013	<0.0013	<0.0013	
6/17/2015					<0.0013	0.0014	<0.0013	<0.0013	
6/18/2015				<0.0013					
6/24/2015				0.0013	<0.0013				
6/25/2015						0.001 (J)	<0.0013	<0.0013	
6/30/2015				<0.0013	<0.0013				
7/1/2015						<0.0013	<0.0013	<0.0013	
7/6/2015				<0.0013	<0.0013				
7/7/2015						0.0011 (J)	<0.0013	<0.0013	
7/28/2015	<0.0013	<0.0013	0.0014						
7/29/2015									0.0033
8/12/2015				<0.005	<0.005	0.0011 (J)			
8/13/2015							<0.005	<0.005	
2/29/2016				<0.01					
3/1/2016	<0.01	<0.01							
3/2/2016			<0.01		<0.01	<0.01	<0.01		
3/3/2016								<0.001	
3/7/2016									<0.01
5/2/2016	0.00385 (J)								
5/3/2016		<0.01	<0.01		<0.01		<0.01		
5/4/2016				<0.01		<0.01			
5/5/2016									0.00385 (J)
5/9/2016								<0.01	
7/7/2016	0.0004 (J)		0.002 (J)						
7/8/2016		<0.01		0.0014 (J)	0.0007 (J)	0.0014 (J)			



# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/26/2019 10:21 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	<0.0013								
9/16/2014		0.00077 (J)	0.0028						
9/17/2014									<0.0013
10/3/2014	<0.0013	0.0013	0.0029						
10/4/2014									<0.0013
10/20/2014	<0.0013	0.001 (J)	0.0022						
10/21/2014									<0.0013
11/5/2014									0.0005 (J)
11/10/2014	<0.0013	<0.0013	0.0022						
3/2/2015	<0.0013	<0.0013							
3/3/2015									<0.0013
3/17/2015	<0.0013	<0.0013	0.0044						
3/18/2015									<0.0013
4/5/2015	<0.0013	<0.0013							
4/6/2015			0.002						
4/7/2015									<0.0013
4/21/2015	0.00055 (J)								
4/22/2015		<0.0013	0.0016						
4/23/2015									<0.0013
5/8/2015				<0.0013					
5/9/2015					<0.0013	0.00057 (J)	<0.0013	<0.0013	
5/17/2015				<0.0013					
5/18/2015					<0.0013	0.00055 (J)	0.00071 (J)		
5/19/2015								<0.0013	
5/25/2015				<0.0013	<0.0013	<0.0013			
5/26/2015							0.00067 (J)	<0.0013	
6/8/2015				<0.0013	<0.0013				
6/9/2015						<0.0013	0.001 (J)	<0.0013	
6/17/2015					<0.0013	<0.0013	0.00093 (J)	<0.0013	
6/18/2015				<0.0013					
6/24/2015				<0.0013	<0.0013				
6/25/2015						<0.0013	0.00059 (J)	<0.0013	
6/30/2015				<0.0013	<0.0013				
7/1/2015						<0.0013	0.00059 (J)	<0.0013	
7/6/2015				<0.0013	<0.0013				
7/7/2015						<0.0013	0.00091 (J)	<0.0013	
7/28/2015	<0.0013	<0.0013	0.0017						
7/29/2015									0.00076 (J)
8/12/2015				<0.005	<0.005	<0.005			
8/13/2015							0.0006 (J)	<0.005	
2/29/2016				<0.01					
3/1/2016	<0.01	0.00202 (J)							
3/2/2016			<0.01		<0.01	<0.01	0.00715 (J)		
3/3/2016								<0.01	
3/7/2016									<0.001
5/2/2016	<0.01								
5/3/2016		<0.01	<0.01		<0.01		0.00349 (J)		
5/4/2016				<0.01		<0.01			
5/5/2016									<0.01
5/9/2016								<0.01	
7/7/2016	<0.01		0.0015 (J)						
7/8/2016		0.0004 (J)		<0.01	<0.01	<0.01			



# Time Series

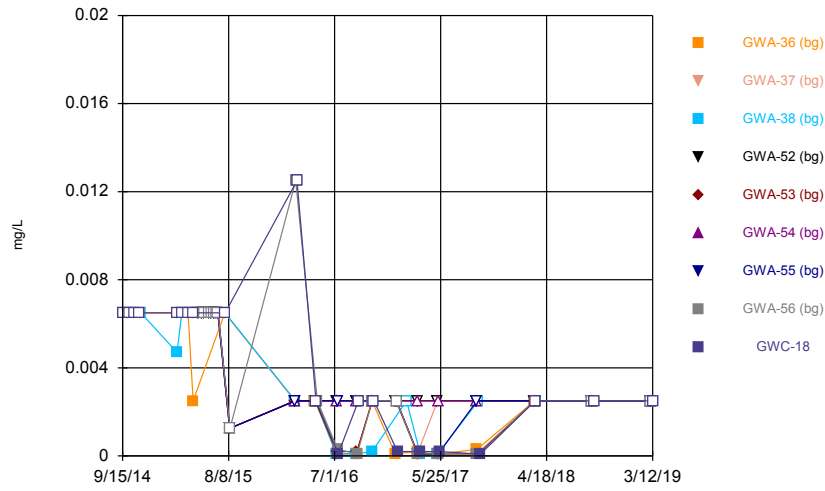
Constituent: Copper (mg/L) Analysis Run 4/26/2019 10:21 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	<0.005								
9/16/2014		0.018	<0.005						
9/17/2014									<0.005
10/3/2014	<0.005	0.021	0.00089 (J)						
10/4/2014									<0.005
10/20/2014	<0.005	0.022	0.00087 (J)						
10/21/2014									<0.005
11/5/2014									<0.005
11/10/2014	<0.005	0.02	<0.005						
3/2/2015	<0.005	0.015	0.004 (J)						
3/3/2015									<0.005
3/17/2015	<0.005	0.016	0.0016 (J)						
3/18/2015									<0.005
4/5/2015	<0.005	0.016							
4/6/2015			0.00083 (J)						
4/7/2015									<0.005
4/21/2015	0.00095 (J)								
4/22/2015		0.013	0.00085 (J)						
4/23/2015									<0.005
5/8/2015				<0.005					
5/9/2015					<0.005	<0.005	<0.005	<0.005	
5/17/2015				<0.005					
5/18/2015					<0.005	<0.005	<0.005		
5/19/2015								<0.005	
5/25/2015				<0.005	<0.005	<0.005			
5/26/2015							<0.005	<0.005	
6/8/2015				<0.005	<0.005				
6/9/2015						<0.005	<0.005	<0.005	
6/17/2015					<0.005	<0.005	<0.005	<0.005	
6/18/2015				<0.005					
6/24/2015				0.00082 (J)	<0.005				
6/25/2015						<0.005	<0.005	<0.005	
6/30/2015				<0.005	<0.005				
7/1/2015						<0.005	<0.005	<0.005	
7/6/2015				<0.005	<0.005				
7/7/2015						<0.005	0.0011 (J)	<0.005	
7/28/2015	<0.005	0.02	<0.005						
7/29/2015									<0.005
8/12/2015				<0.005	<0.005	<0.005			
8/13/2015							<0.005	<0.005	
2/29/2016				<0.025					
3/1/2016	<0.025	0.0103 (J)							
3/2/2016			<0.025		<0.025	<0.025	<0.025		
3/3/2016								<0.01	
3/7/2016									<0.01
7/7/2016	<0.025		<0.025						
7/8/2016		0.0152 (J)		<0.025	<0.025	<0.025			
7/11/2016							<0.025	<0.025	
7/13/2016									<0.025
3/14/2017		0.0085 (J)							
3/15/2017	<0.025 (*)			<0.025		<0.025		<0.025 (*)	
3/16/2017					<0.025		<0.025		

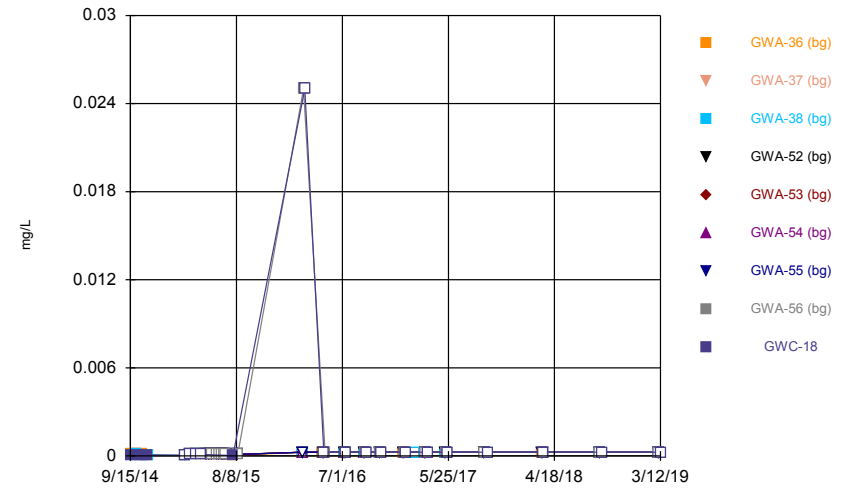


Time Series



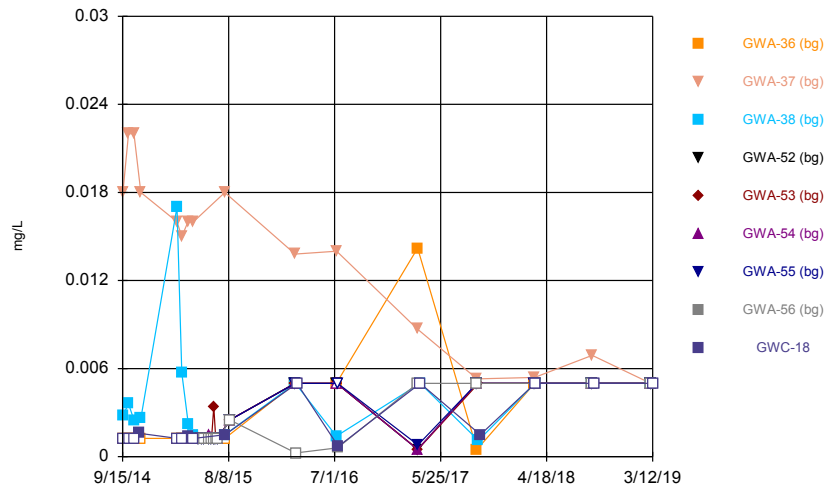
Constituent: Lead Analysis Run 4/26/2019 10:10 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



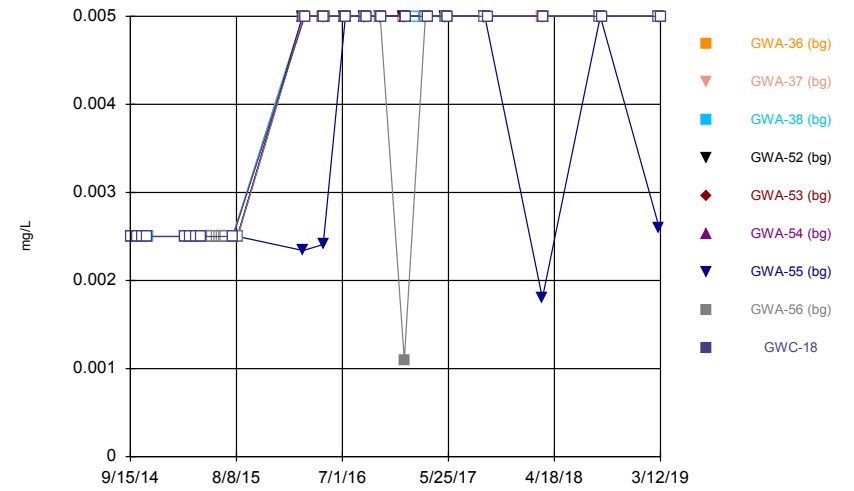
Constituent: Mercury Analysis Run 4/26/2019 10:10 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Nickel Analysis Run 4/26/2019 10:10 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Selenium Analysis Run 4/26/2019 10:11 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/26/2019 10:21 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	<0.013								
9/16/2014		<0.013	<0.013						
9/17/2014									<0.013
10/3/2014	<0.013	<0.013	<0.013						
10/4/2014									<0.013
10/20/2014	<0.013	<0.013	<0.013						
10/21/2014									<0.013
11/5/2014									<0.013
11/10/2014	<0.013	<0.013	<0.013						
3/2/2015	<0.013	<0.013	0.0047 (J)						
3/3/2015									<0.013
3/17/2015	<0.013	<0.013	<0.013						
3/18/2015									<0.013
4/5/2015	<0.013	<0.013							
4/6/2015			<0.013						
4/7/2015									<0.013
4/21/2015	0.0025 (J)								
4/22/2015		<0.013	<0.013						
4/23/2015									<0.013
5/8/2015				<0.013					
5/9/2015					<0.013	<0.013	<0.013	<0.013	
5/17/2015				<0.013					
5/18/2015					<0.013	<0.013	<0.013		
5/19/2015								<0.013	
5/25/2015				<0.013	<0.013	<0.013			
5/26/2015							<0.013	<0.013	
6/8/2015				<0.013	<0.013				
6/9/2015						<0.013	<0.013	<0.013	
6/17/2015					<0.013	<0.013	<0.013	<0.013	
6/18/2015				<0.013					
6/24/2015				<0.013	<0.013				
6/25/2015						<0.013	<0.013	<0.013	
6/30/2015				<0.013	<0.013				
7/1/2015						<0.013	<0.013	<0.013	
7/6/2015				<0.013	<0.013				
7/7/2015						<0.013	<0.013	<0.013	
7/28/2015	<0.013	<0.013	<0.013						
7/29/2015									<0.013
8/12/2015				<0.0025	<0.0025	<0.0025			
8/13/2015							<0.0025	<0.0025	
2/29/2016				<0.005					
3/1/2016	<0.005	<0.005							
3/2/2016			<0.005		<0.005	<0.005	<0.005		
3/3/2016								<0.025	
3/7/2016									<0.025
5/2/2016	<0.005								
5/3/2016		<0.005	<0.005		<0.005		<0.005		
5/4/2016				<0.005		<0.005			
5/5/2016									<0.005
5/9/2016								<0.005	
7/7/2016	0.0001 (J)		0.0001 (J)						
7/8/2016		0.0001 (J)		<0.005	0.0002 (J)	<0.005			





# Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2019 10:21 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	<0.0002								
9/16/2014		4.23E-05 (J)	2.75E-05 (J)						
9/17/2014									4.24E-05 (J)
10/3/2014	<0.0002	<0.0002	<0.0002						
10/4/2014									2.5E-05 (J)
10/20/2014	<0.0002	3.87E-05 (J)	4.07E-05 (J)						
10/21/2014									6.4E-05 (J)
11/5/2014									7.02E-05 (J)
11/10/2014	5.8E-05 (J)	3.34E-05 (J)	6.86E-05 (J)						
3/2/2015	2.04E-05 (J)	<0.0001	3.07E-05 (J)						
3/3/2015									<0.0001
3/17/2015	<0.0002	<0.0002	<0.0002						
3/18/2015									<0.0002
4/5/2015	<0.0002	<0.0002							
4/6/2015			<0.0002						
4/7/2015									<0.0002
4/21/2015	<0.0002								
4/22/2015		<0.0002	<0.0002						
4/23/2015									<0.0002
5/8/2015				<0.0002					
5/9/2015					<0.0002	<0.0002	<0.0002	<0.0002	
5/17/2015				<0.0002					
5/18/2015					<0.0002	<0.0002	<0.0002		
5/19/2015								<0.0002	
5/25/2015				<0.0002	<0.0002	<0.0002			
5/26/2015							<0.0002	<0.0002	
6/8/2015				<0.0002	<0.0002				
6/9/2015						<0.0002	<0.0002	<0.0002	
6/17/2015					<0.0002	<0.0002	<0.0002	<0.0002	
6/18/2015				<0.0002					
6/24/2015				<0.0002	<0.0002				
6/25/2015						<0.0002	<0.0002	<0.0002	
6/30/2015				<0.0002	<0.0002				
7/1/2015						<0.0002	<0.0002	<0.0002	
7/6/2015				<0.0002	<0.0002				
7/7/2015						<0.0002	<0.0002	<0.0002	
7/28/2015	2.13E-05 (J)	<0.0002	<0.0002						
7/29/2015									3.14E-05 (J)
8/12/2015				<0.0002	<0.0002	<0.0002			
8/13/2015							<0.0002	<0.0002	
2/29/2016				<0.0005					
3/1/2016	<0.0005	<0.0005							
3/2/2016			<0.0005		<0.0005	<0.0005	<0.0005		
3/3/2016								<0.05	
3/7/2016									<0.05
5/2/2016	<0.0005								
5/3/2016		<0.0005	<0.0005		<0.0005		<0.0005		
5/4/2016				<0.0005		<0.0005			
5/5/2016									<0.0005
5/9/2016								<0.0005	
7/7/2016	<0.0005		<0.0005						
7/8/2016		<0.0005		<0.0005	<0.0005	<0.0005			



# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/26/2019 10:21 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	<0.0025								
9/16/2014		0.018	0.0028						
9/17/2014									<0.0025
10/3/2014	<0.0025	0.022	0.0036						
10/4/2014									<0.0025
10/20/2014	<0.0025	0.022	0.0025						
10/21/2014									<0.0025
11/5/2014									0.0016 (J)
11/10/2014	<0.0025	0.018	0.0026						
3/2/2015	<0.0025	0.016	0.017						
3/3/2015									<0.0025
3/17/2015	<0.0025	0.015	0.0057						
3/18/2015									<0.0025
4/5/2015	<0.0025	0.016							
4/6/2015			0.0022 (J)						
4/7/2015									0.0014 (J)
4/21/2015	0.0014 (J)								
4/22/2015		0.016	0.0015 (J)						
4/23/2015									<0.0025
5/8/2015				<0.0025					
5/9/2015					<0.0025	<0.0025	<0.0025	<0.0025	
5/17/2015				<0.0025					
5/18/2015					<0.0025	<0.0025	<0.0025		
5/19/2015								<0.0025	
5/25/2015				<0.0025	<0.0025	<0.0025			
5/26/2015							<0.0025	<0.0025	
6/8/2015				<0.0025	<0.0025				
6/9/2015						0.0015 (J)	<0.0025	<0.0025	
6/17/2015					<0.0025	0.0013 (J)	<0.0025	<0.0025	
6/18/2015				<0.0025					
6/24/2015				<0.0025	0.0034				
6/25/2015						<0.0025	<0.0025	<0.0025	
6/30/2015				<0.0025	<0.0025				
7/1/2015						<0.0025	<0.0025	<0.0025	
7/6/2015				<0.0025	<0.0025				
7/7/2015						<0.0025	<0.0025	<0.0025	
7/28/2015	<0.0025	0.018	0.0015 (J)						
7/29/2015									0.0015 (J)
8/12/2015				<0.005	<0.005	<0.005			
8/13/2015							<0.005	<0.005	
2/29/2016				<0.01					
3/1/2016	<0.01	0.0138							
3/2/2016			<0.01		<0.01	<0.01	<0.01		
3/3/2016								<0.0005	
3/7/2016									<0.01
7/7/2016	<0.01		0.0014 (J)						
7/8/2016		0.014		<0.01	<0.01	<0.01			
7/11/2016							<0.01	0.0006 (J)	
7/13/2016									0.0007 (J)
3/14/2017		0.0087 (J)							
3/15/2017	0.0142			0.0005 (J)		0.0005 (J)		<0.01	
3/16/2017					0.0005 (J)		0.0008 (J)		



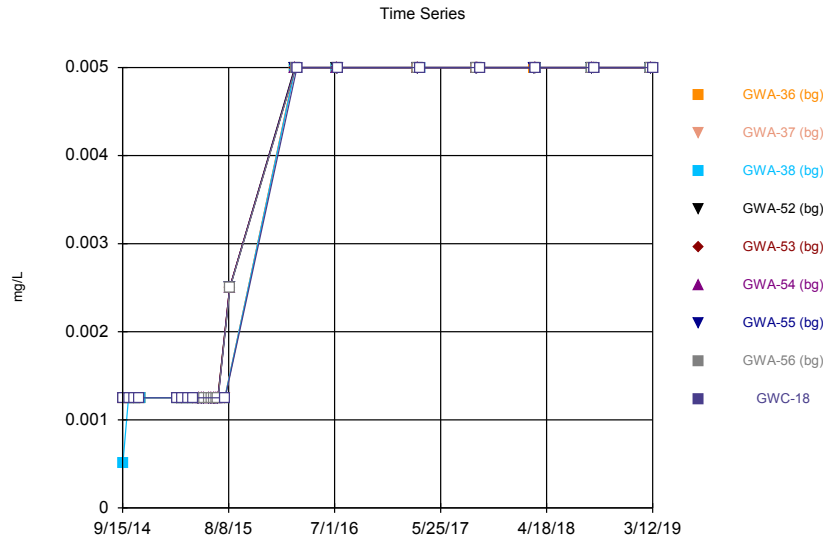
# Time Series

Constituent: Selenium (mg/L) Analysis Run 4/26/2019 10:21 AM View: cell\_3&4\_metals\_overburden

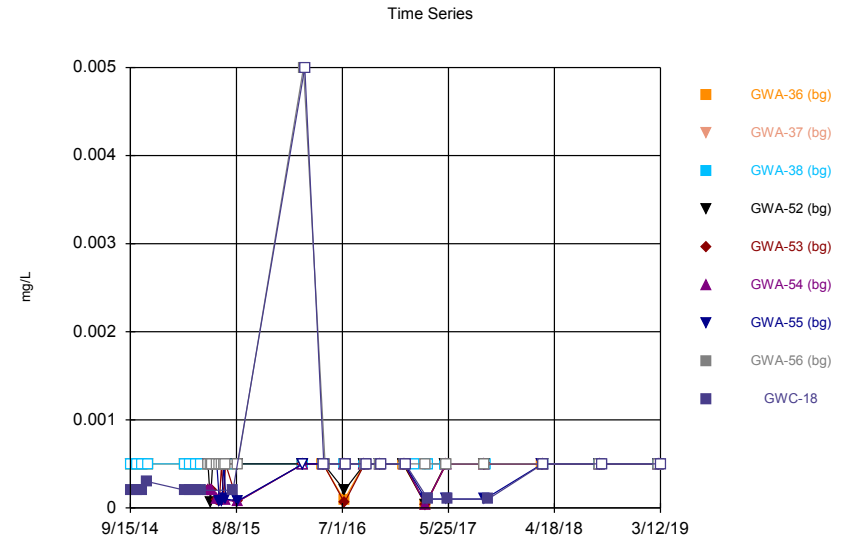
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	<0.005								
9/16/2014		<0.005	<0.005						
9/17/2014									<0.005
10/3/2014	<0.005	<0.005	<0.005						
10/4/2014									<0.005
10/20/2014	<0.005	<0.005	<0.005						
10/21/2014									<0.005
11/5/2014									<0.005
11/10/2014	<0.005	<0.005	<0.005						
3/2/2015	<0.005	<0.005	<0.005						
3/3/2015									<0.005
3/17/2015	<0.005	<0.005	<0.005						
3/18/2015									<0.005
4/5/2015	<0.005	<0.005							
4/6/2015			<0.005						
4/7/2015									<0.005
4/21/2015	<0.005								
4/22/2015		<0.005	<0.005						
4/23/2015									<0.005
5/8/2015				<0.005					
5/9/2015					<0.005	<0.005	<0.005	<0.005	
5/17/2015				<0.005					
5/18/2015					<0.005	<0.005	<0.005		
5/19/2015								<0.005	
5/25/2015				<0.005	<0.005	<0.005			
5/26/2015							<0.005	<0.005	
6/8/2015				<0.005	<0.005				
6/9/2015						<0.005	<0.005	<0.005	
6/17/2015					<0.005	<0.005	<0.005	<0.005	
6/18/2015				<0.005					
6/24/2015				<0.005	<0.005				
6/25/2015						<0.005	<0.005	<0.005	
6/30/2015				<0.005	<0.005				
7/1/2015						<0.005	<0.005	<0.005	
7/6/2015				<0.005	<0.005				
7/7/2015						<0.005	<0.005	<0.005	
7/28/2015	<0.005	<0.005	<0.005						
7/29/2015									<0.005
8/12/2015				<0.005	<0.005	<0.005			
8/13/2015							<0.005	<0.005	
2/29/2016				<0.01					
3/1/2016	<0.01	<0.01							
3/2/2016			<0.01		<0.01	<0.01	0.00234 (J)		
3/3/2016								<0.01	
3/7/2016									<0.01
5/2/2016	<0.01								
5/3/2016		<0.01	<0.01		<0.01		0.00241 (J)		
5/4/2016				<0.01		<0.01			
5/5/2016									<0.01
5/9/2016								<0.01	
7/7/2016	<0.01		<0.01						
7/8/2016		<0.01		<0.01	<0.01	<0.01			

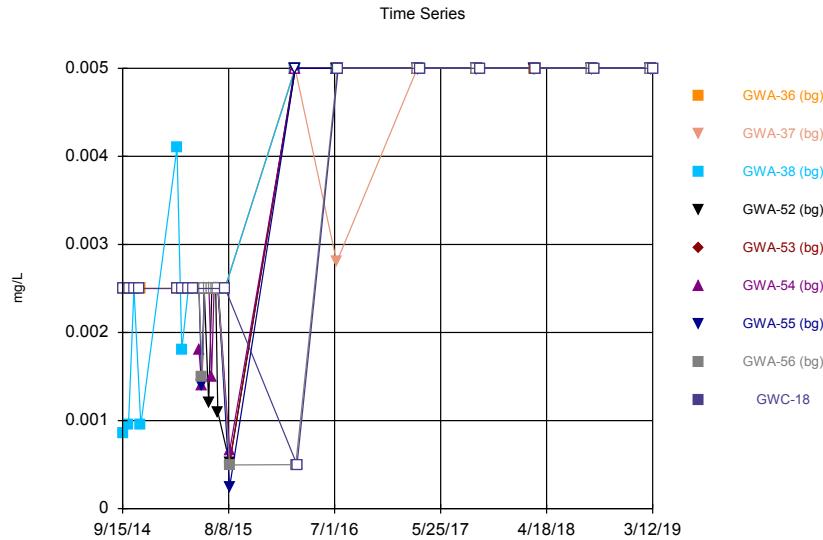




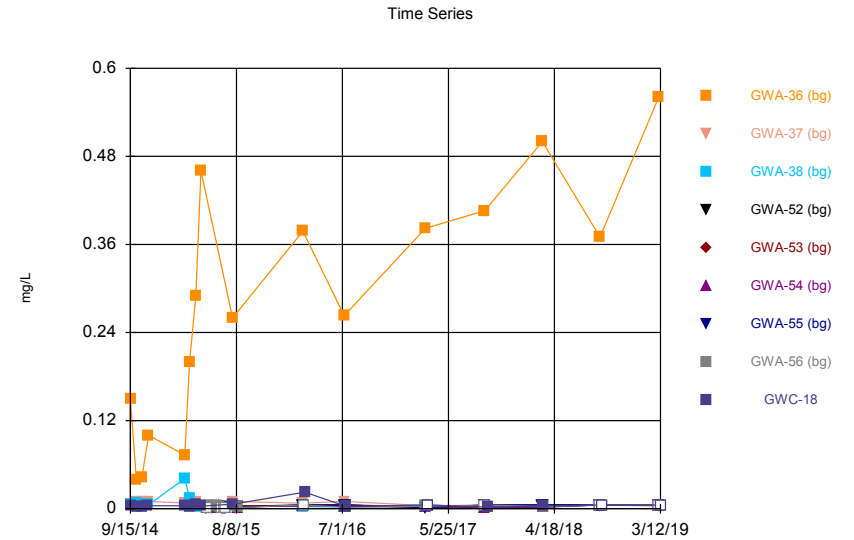
Constituent: Silver Analysis Run 4/26/2019 10:11 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR



Constituent: Thallium Analysis Run 4/26/2019 10:11 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR



Constituent: Vanadium Analysis Run 4/26/2019 10:12 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR



Constituent: Zinc Analysis Run 4/26/2019 10:12 AM View: cell\_3&4\_metals\_overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR



# Time Series

Constituent: Silver (mg/L) Analysis Run 4/26/2019 10:22 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	<0.0025								
9/16/2014		<0.0025	0.00051 (J)						
9/17/2014									<0.0025
10/3/2014	<0.0025	<0.0025	<0.0025						
10/4/2014									<0.0025
10/20/2014	<0.0025	<0.0025	<0.0025						
10/21/2014									<0.0025
11/5/2014									<0.0025
11/10/2014	<0.0025	<0.0025	<0.0025						
3/2/2015	<0.0025	<0.0025	<0.0025						
3/3/2015									<0.0025
3/17/2015	<0.0025	<0.0025	<0.0025						
3/18/2015									<0.0025
4/5/2015	<0.0025	<0.0025							
4/6/2015			<0.0025						
4/7/2015									<0.0025
4/21/2015	<0.0025								
4/22/2015		<0.0025	<0.0025						
4/23/2015									<0.0025
5/8/2015				<0.0025					
5/9/2015					<0.0025	<0.0025	<0.0025	<0.0025	
5/17/2015				<0.0025					
5/18/2015					<0.0025	<0.0025	<0.0025		
5/19/2015								<0.0025	
5/25/2015				<0.0025	<0.0025	<0.0025			
5/26/2015							<0.0025	<0.0025	
6/8/2015				<0.0025	<0.0025				
6/9/2015						<0.0025	<0.0025	<0.0025	
6/17/2015					<0.0025	<0.0025	<0.0025	<0.0025	
6/18/2015				<0.0025					
6/24/2015				<0.0025	<0.0025				
6/25/2015						<0.0025	<0.0025	<0.0025	
6/30/2015				<0.0025	<0.0025				
7/1/2015						<0.0025	<0.0025	<0.0025	
7/6/2015				<0.0025	<0.0025				
7/7/2015						<0.0025	<0.0025	<0.0025	
7/28/2015	<0.0025	<0.0025	<0.0025						
7/29/2015									<0.0025
8/12/2015				<0.005	<0.005	<0.005			
8/13/2015							<0.005	<0.005	
2/29/2016				<0.01					
3/1/2016	<0.01	<0.01							
3/2/2016			<0.01		<0.01	<0.01	<0.01		
3/3/2016								<0.01	
3/7/2016									<0.01
7/7/2016	<0.01		<0.01						
7/8/2016		<0.01		<0.01	<0.01	<0.01			
7/11/2016							<0.01	<0.01	
7/13/2016									<0.01
3/14/2017		<0.01							
3/15/2017	<0.01			<0.01		<0.01		<0.01	
3/16/2017					<0.01		<0.01		



# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/26/2019 10:22 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	<0.001								
9/16/2014		<0.001	<0.001						
9/17/2014									0.0002 (J)
10/3/2014	<0.001	<0.001							
10/4/2014									0.0002 (J)
10/6/2014			<0.001						
10/20/2014	<0.001	<0.001	<0.001						
10/21/2014									0.0002 (J)
11/5/2014									0.0003 (J)
11/10/2014	<0.001	<0.001	<0.001						
3/2/2015	<0.001	<0.001	<0.001						
3/3/2015									0.0002 (J)
3/17/2015	<0.001	<0.001	<0.001						
3/18/2015									0.0002 (J)
4/5/2015	<0.001	<0.001							
4/6/2015			<0.001						
4/7/2015									0.0002 (J)
4/21/2015	<0.001								
4/22/2015		<0.001	<0.001						
4/23/2015									0.0002 (J)
5/13/2015				<0.001	0.0002 (J)	0.0002 (J)	<0.001	<0.001	
5/20/2015				6E-05 (J)	0.0002 (J)	0.0002 (J)	<0.001	<0.001	
5/27/2015				<0.001	0.0002 (J)	0.0002 (J)	<0.001	<0.001	
6/8/2015				<0.001	9E-05 (J)				
6/9/2015						0.0001 (J)	<0.001	<0.001	
6/17/2015					7E-05 (J)	0.0001 (J)	8E-05 (J)	<0.001	
6/18/2015				<0.001					
6/24/2015				<0.001	<0.001				
6/25/2015						0.0001 (J)	7E-05 (J)	<0.001	
6/30/2015				<0.001	9E-05 (J)				
7/1/2015						0.0001 (J)	<0.001	<0.001	
7/6/2015				<0.001	<0.001				
7/7/2015						9E-05 (J)	0.0001 (J)	<0.001	
7/28/2015	<0.001	<0.001	<0.001						
7/29/2015									0.0002 (J)
8/12/2015				<0.001	7E-05 (J)	7E-05 (J)			
8/13/2015							8E-05 (J)	<0.001	
2/29/2016				<0.001					
3/1/2016	<0.001	<0.001							
3/2/2016			<0.001		<0.001	<0.001	<0.001		
3/3/2016								<0.01	
3/7/2016									<0.01
5/2/2016	<0.001								
5/3/2016		<0.001	<0.001		<0.001		<0.001		
5/4/2016				<0.001		<0.001			
5/5/2016									<0.001
5/9/2016								<0.001	
7/7/2016	9E-05 (J)		<0.001						
7/8/2016		<0.001		0.0002 (J)	6E-05 (J)	<0.001			
7/11/2016							<0.001 (*)	<0.001	
7/13/2016									<0.001 (*)
9/7/2016	<0.001	<0.001							



# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/26/2019 10:22 AM View: cell\_3&4\_metals\_overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	<0.005								
9/16/2014		<0.005	0.00085 (J)						
9/17/2014									<0.005
10/3/2014	<0.005	<0.005	0.00096 (J)						
10/4/2014									<0.005
10/20/2014	<0.005	<0.005	<0.005						
10/21/2014									<0.005
11/5/2014									<0.005
11/10/2014	<0.005	<0.005	0.00095 (J)						
3/2/2015	<0.005	<0.005	0.0041 (J)						
3/3/2015									<0.005
3/17/2015	<0.005	<0.005	0.0018 (J)						
3/18/2015									<0.005
4/5/2015	<0.005	<0.005							
4/6/2015			<0.005						
4/7/2015									<0.005
4/21/2015	<0.005								
4/22/2015		<0.005	<0.005						
4/23/2015									<0.005
5/8/2015				<0.005					
5/9/2015					<0.005	0.0018 (J)	<0.005	<0.005	
5/17/2015				<0.005					
5/18/2015					<0.005	0.0014 (J)	0.0014 (J)		
5/19/2015								0.0015 (J)	
5/25/2015				<0.005	<0.005	<0.005			
5/26/2015							<0.005	<0.005	
6/8/2015				0.0012 (J)	<0.005				
6/9/2015						<0.005	<0.005	<0.005	
6/17/2015					<0.005	0.0015 (J)	<0.005	<0.005	
6/18/2015				<0.005					
6/24/2015				<0.005	<0.005				
6/25/2015						<0.005	<0.005	<0.005	
6/30/2015				<0.005	<0.005				
7/1/2015						<0.005	<0.005	<0.005	
7/6/2015				0.0011 (J)	<0.005				
7/7/2015						<0.005	<0.005	<0.005	
7/28/2015	<0.005	<0.005	<0.005						
7/29/2015									<0.005
8/12/2015				0.000519 (J)	0.000525 (J)	0.000656 (J)	0.000246 (J)	0.000497 (J)	
2/29/2016				<0.01					
3/1/2016	<0.01	<0.01							
3/2/2016			<0.01		<0.01	<0.01	<0.01		
3/3/2016								<0.001	
3/7/2016									<0.001
7/7/2016	<0.01		<0.01						
7/8/2016		0.0028 (J)		<0.01	<0.01	<0.01			
7/11/2016							<0.01	<0.01	
7/13/2016									<0.01
3/14/2017		<0.01							
3/15/2017	<0.01			<0.01		<0.01		<0.01	
3/16/2017					<0.01		<0.01		
3/23/2017			<0.01						<0.01



# Time Series

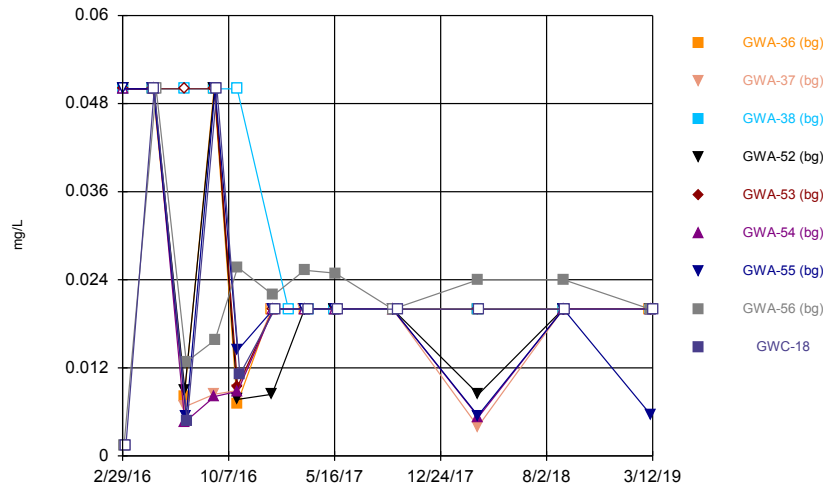
Constituent: Zinc (mg/L) Analysis Run 4/26/2019 10:22 AM View: cell\_3&4\_metals\_overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-52 (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-56 (bg)	GWC-18
9/15/2014	0.15								
9/16/2014		0.0062	0.0054						
9/17/2014									0.0035
10/3/2014	0.04	0.0085	0.007						
10/4/2014									0.0032
10/20/2014	0.042	0.0087	0.0052						
10/21/2014									0.0028
11/5/2014									0.004
11/10/2014	0.1	0.01	0.0054						
3/2/2015	0.073	0.0077	0.041						
3/3/2015									0.004
3/17/2015	0.2	0.0086	0.014						
3/18/2015									0.0024 (J)
4/5/2015	0.29	0.0098							
4/6/2015			0.0044						
4/7/2015									0.0055
4/21/2015	0.46								
4/22/2015		0.0049	0.0023 (J)						
4/23/2015									0.0035
5/8/2015				<0.0025					
5/9/2015					0.0023 (J)	<0.0025	<0.0025	<0.0025	
5/17/2015				0.0017 (J)					
5/18/2015					0.0034	0.0019 (J)	0.0016 (J)		
5/19/2015								0.0045	
5/25/2015				0.003	<0.0025	0.0022 (J)			
5/26/2015							<0.0025	0.0038	
6/8/2015				0.0025	0.0015 (J)				
6/9/2015						0.0015 (J)	0.0026	0.0037	
6/17/2015					<0.0025	0.0035	0.0017 (J)	0.0018 (J)	
6/18/2015				0.0019 (J)					
6/24/2015				0.0028	<0.0025				
6/25/2015						<0.0025	<0.0025	<0.0025	
6/30/2015				<0.0025	<0.0025				
7/1/2015						<0.0025	<0.0025	<0.0025	
7/6/2015				<0.0025	<0.0025				
7/7/2015						<0.0025	<0.0025	<0.0025	
7/28/2015	0.26	0.0099	0.0035						
7/29/2015									0.0062
8/12/2015				0.0033 (BJ)	0.004 (BJ)	0.0015 (BJ)			
8/13/2015							0.002 (BJ)	0.0017 (BJ)	
2/29/2016				<0.01					
3/1/2016	0.378	0.00756 (J)							
3/2/2016			0.0029 (J)		0.0035 (J)	<0.01	<0.01		
3/3/2016								<0.01	
3/7/2016									0.0225 (J)
7/7/2016	0.263		0.0023 (J)						
7/8/2016		0.0098 (J)		<0.01	<0.01	0.0029 (J)			
7/11/2016							<0.01	0.0018 (J)	
7/13/2016									0.0031 (J)
3/14/2017		0.0042 (J)							
3/15/2017	0.382			0.0013 (J)		0.0024 (J)		0.0034 (J)	
3/16/2017					0.0029 (J)		0.0015 (J)		



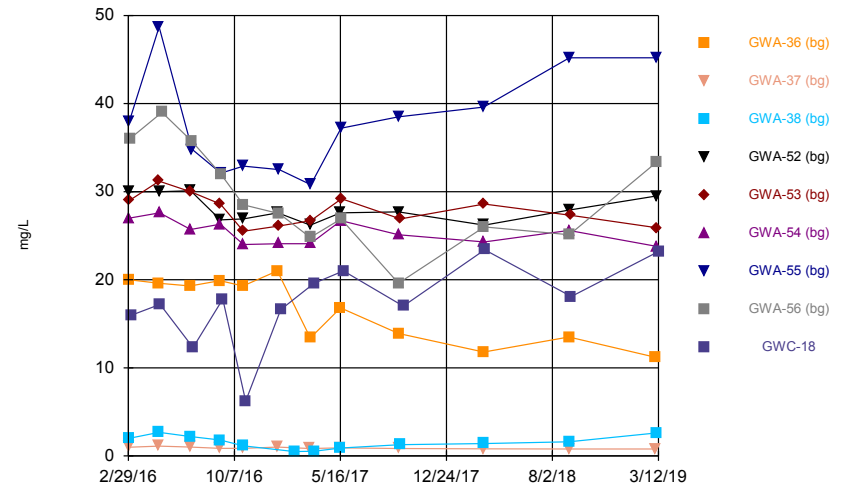


Time Series



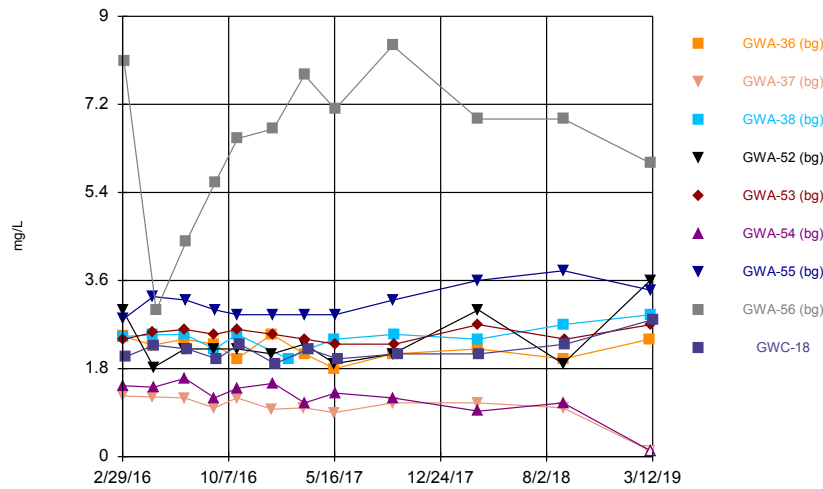
Constituent: Boron Analysis Run 4/26/2019 10:27 AM View: cell 3&4 apIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



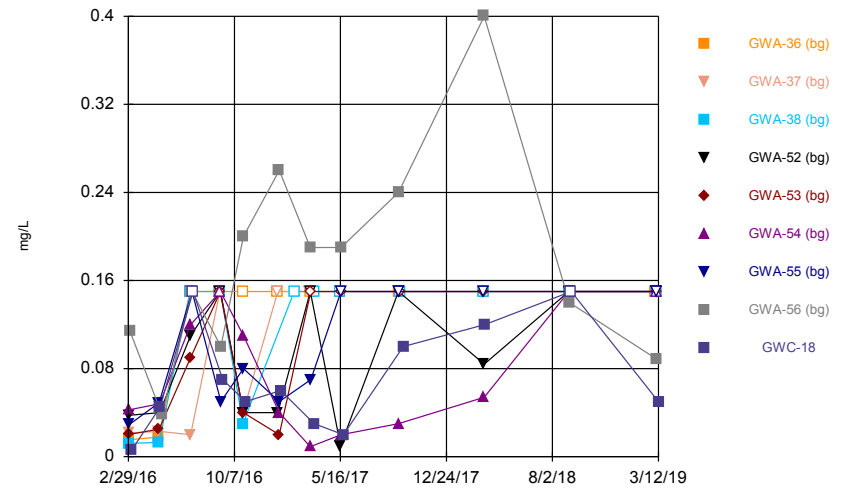
Constituent: Calcium Analysis Run 4/26/2019 10:27 AM View: cell 3&4 apIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Chloride Analysis Run 4/26/2019 10:27 AM View: cell 3&4 apIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Fluoride Analysis Run 4/26/2019 10:27 AM View: cell 3&4 apIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

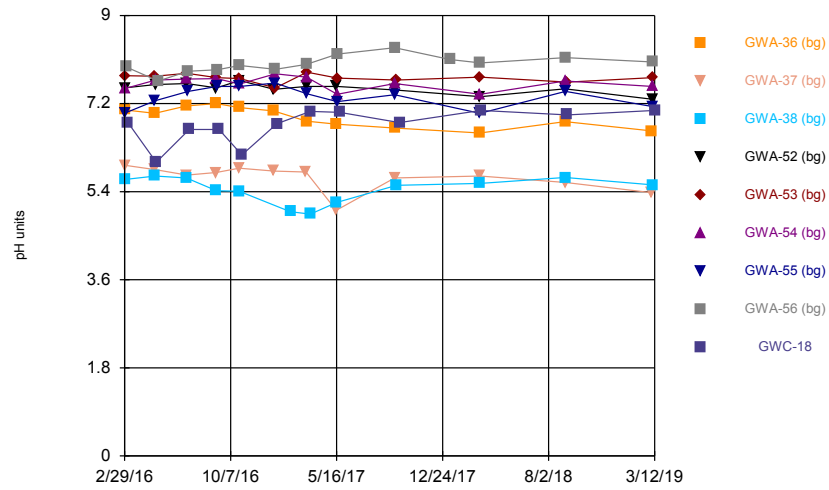






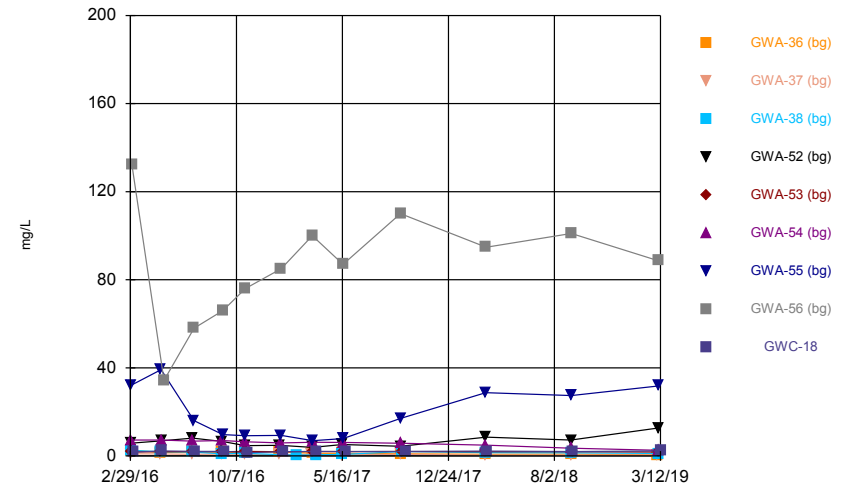


Time Series



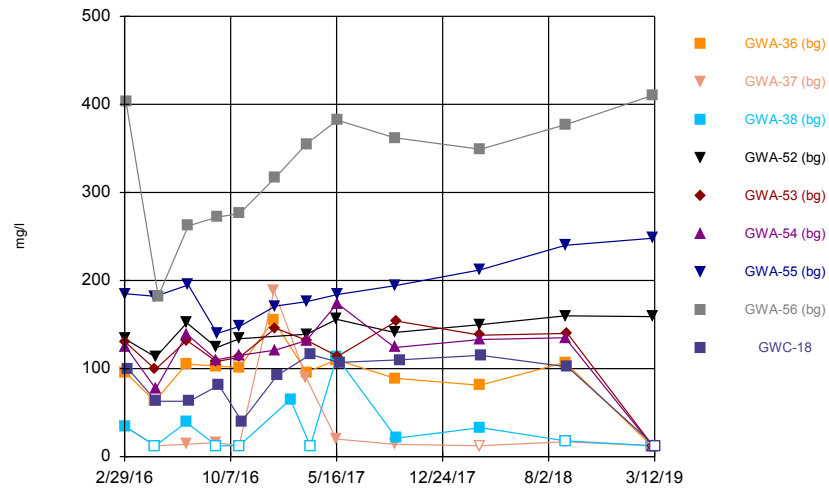
Constituent: pH Analysis Run 4/26/2019 10:28 AM View: cell 3&4 appIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Sulfate Analysis Run 4/26/2019 10:28 AM View: cell 3&4 appIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 4/26/2019 10:28 AM View: cell 3&4 appIII overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

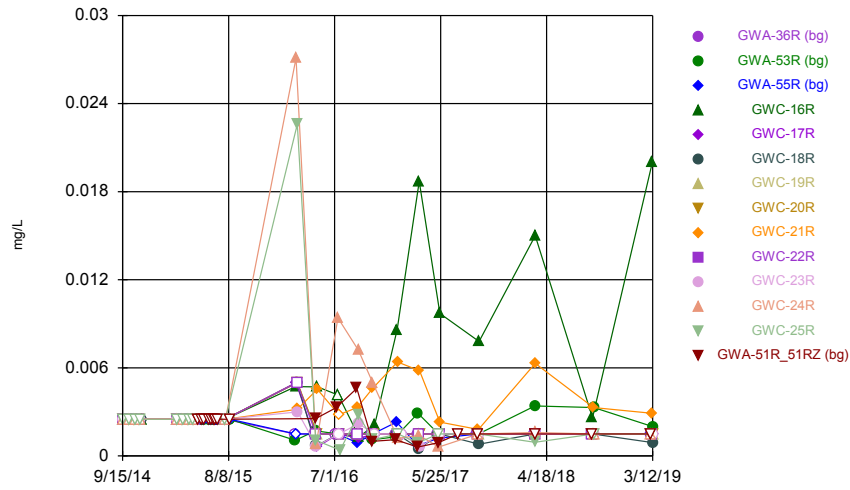






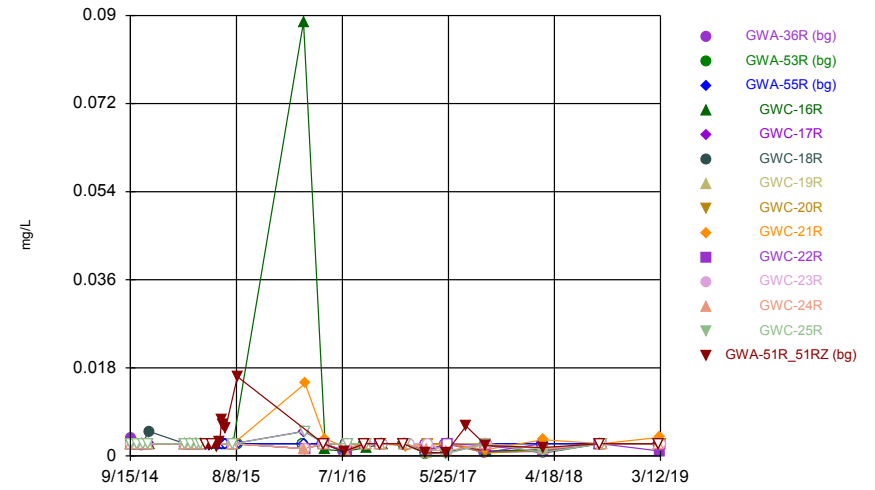


Time Series



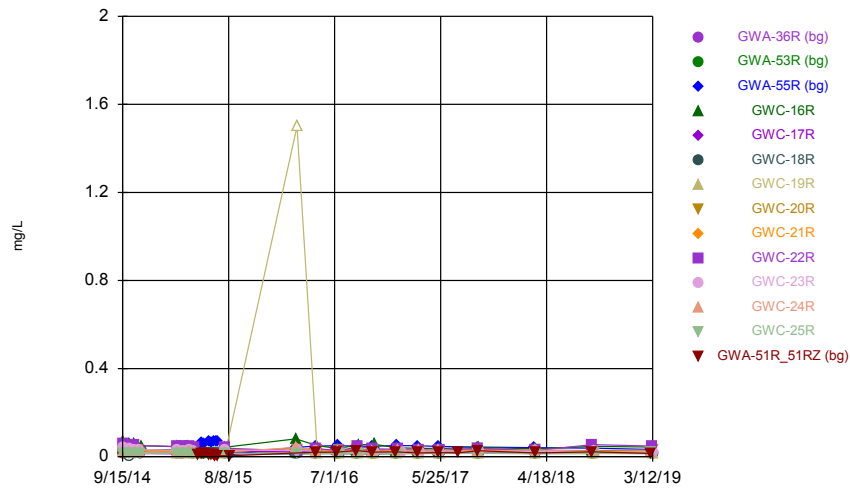
Constituent: Antimony Analysis Run 5/1/2019 2:50 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



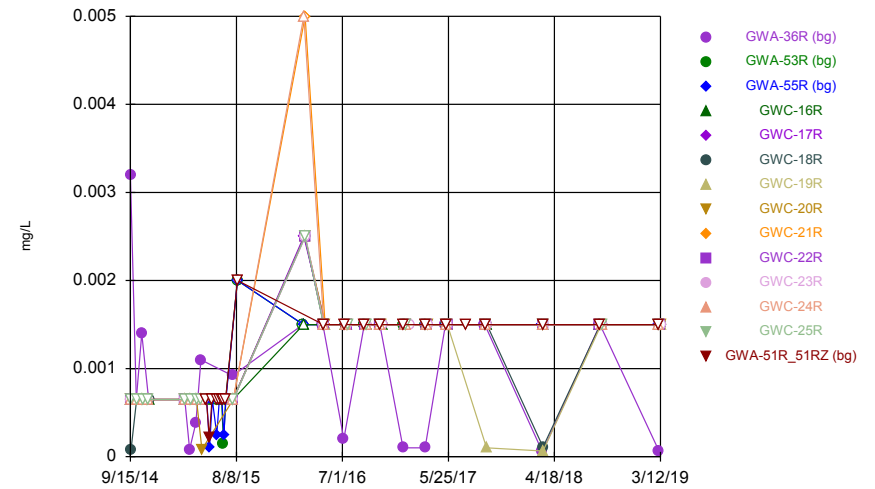
Constituent: Arsenic Analysis Run 5/1/2019 2:50 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Barium Analysis Run 5/1/2019 2:50 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Beryllium Analysis Run 5/1/2019 2:50 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

# Time Series

Constituent: Antimony (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	<0.005								
9/16/2014				<0.005					
9/17/2014					<0.005	<0.005	<0.005		
9/18/2014								<0.005	<0.005
10/3/2014	<0.005								
10/4/2014				<0.005	<0.005	<0.005	<0.005		
10/5/2014								<0.005	<0.005
10/20/2014	<0.005								
10/21/2014				<0.005	<0.005	<0.005	<0.005		
10/22/2014								<0.005	<0.005
10/23/2014									
11/5/2014							<0.005	<0.005	<0.005
11/10/2014	<0.005								
11/11/2014				<0.005	<0.005	<0.005			
3/2/2015	<0.005								
3/3/2015				<0.005	<0.005	<0.005	<0.005		
3/4/2015								<0.005	<0.005
3/17/2015	<0.005								
3/18/2015				<0.005	<0.005	<0.005			
3/19/2015							<0.005	<0.005	<0.005
3/20/2015									
4/5/2015	<0.005								
4/6/2015				<0.005	<0.005				
4/7/2015						<0.005	<0.005	<0.005	
4/8/2015									<0.005
4/9/2015									
4/21/2015	<0.005								
4/23/2015				<0.005	<0.005	<0.005			
4/24/2015							<0.005	<0.005	<0.005
5/8/2015		<0.005							
5/9/2015			<0.005						
5/17/2015		<0.005							
5/18/2015			<0.005						
5/25/2015		<0.005							
5/26/2015			<0.005						
6/8/2015		<0.005							
6/9/2015			<0.005						
6/17/2015			<0.005						
6/18/2015		<0.005							
6/24/2015		<0.005							
6/25/2015			<0.005						
6/30/2015		<0.005							
7/1/2015			<0.005						
7/6/2015		<0.005							
7/7/2015			<0.005						
7/28/2015	<0.005								
7/29/2015				<0.005	<0.005	<0.005	<0.005		
7/30/2015								<0.005	<0.005
8/12/2015		<0.005							
8/13/2015			<0.005						
3/1/2016	<0.003								
3/2/2016		0.00106 (J)							



# Time Series

Constituent: Antimony (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
7/19/2017									
9/15/2017	<0.003								
9/18/2017			<0.003						
9/19/2017		<0.003						<0.003	0.0018 (J)
9/20/2017							<0.003		
9/21/2017				0.0078		0.0008 (J)			
9/22/2017					<0.003				
3/12/2018	<0.003		<0.003						
3/13/2018		0.0034							
3/14/2018				0.015	<0.003	<0.003	<0.003	<0.003	0.0063
9/6/2018	<0.003								
9/7/2018			<0.003	0.0026 (J)		<0.003			
9/10/2018							<0.003	<0.003	0.0033
9/11/2018		0.0033			<0.003				
3/7/2019	<0.003		<0.003						
3/8/2019									
3/11/2019				0.02					0.0029 (J)
3/12/2019		0.002 (J)			<0.003	0.00091 (J)	<0.003	<0.003	

# Time Series

Constituent: Antimony (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			<0.005	<0.005	
9/17/2014					
9/18/2014	<0.005	<0.005			
10/3/2014					
10/4/2014			<0.005	<0.005	
10/5/2014	<0.005	<0.005			
10/20/2014					
10/21/2014					
10/22/2014	<0.005	<0.005			
10/23/2014			<0.005	<0.005	
11/5/2014	<0.005	<0.005			
11/10/2014			<0.005	<0.005	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	<0.005	<0.005	<0.005	<0.005	
3/17/2015					
3/18/2015					
3/19/2015	<0.005				
3/20/2015		<0.005	<0.005	<0.005	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	<0.005	<0.005	<0.005		
4/9/2015				<0.005	
4/21/2015					
4/23/2015		<0.005	<0.005	<0.005	
4/24/2015	<0.005				
5/8/2015					<0.005
5/9/2015					
5/17/2015					<0.005
5/18/2015					
5/25/2015					<0.005
5/26/2015					
6/8/2015					<0.005
6/9/2015					
6/17/2015					
6/18/2015					<0.005
6/24/2015					<0.005
6/25/2015					
6/30/2015					<0.005
7/1/2015					
7/6/2015					<0.005
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.005	<0.005	<0.005	<0.005	
8/12/2015					<0.005
8/13/2015					
3/1/2016					
3/2/2016					

# Time Series

Constituent: Antimony (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/3/2016					
3/4/2016			0.0271 (J)		
3/7/2016	<0.01				
3/8/2016				0.0226 (J)	
3/9/2016		0.003			
5/2/2016					
5/3/2016					
5/4/2016				0.00107 (J)	0.00254 (JD)
5/5/2016	<0.003		0.000761 (J)		
5/6/2016		0.000666 (J)			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					0.0033 (D)
7/11/2016					
7/12/2016			0.0094		
7/13/2016					
7/14/2016	<0.003				
7/15/2016		<0.003 (*)			
7/18/2016				0.0004 (J)	
9/7/2016					
9/8/2016					0.0046 (D)
9/9/2016					
9/12/2016	<0.003				
9/13/2016			0.0072	0.0028 (J)	
9/14/2016		0.0022 (J)			
9/15/2016					
10/25/2016					
10/26/2016					0.001 (JD)
10/27/2016	<0.003		0.005	0.0011 (J)	
10/31/2016					
11/1/2016		<0.003			
11/2/2016					
1/5/2017					
1/6/2017					0.0011 (JD)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	<0.003		0.0012 (J)	<0.003	
1/25/2017		<0.003			
3/14/2017					
3/15/2017					0.0006 (JD)
3/16/2017				0.0009 (J)	
3/20/2017	<0.003		0.0014 (J)		
3/21/2017					
3/22/2017		0.0006 (J)			
5/16/2017					
5/18/2017					0.0009 (JD)
5/19/2017			0.0006 (J)	<0.003	
5/22/2017					
5/23/2017	<0.003				
5/24/2017		<0.003			

# Time Series

Constituent: Antimony (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
7/19/2017					<0.003 (D)
9/15/2017					
9/18/2017					
9/19/2017	<0.003		<0.003	<0.003	<0.003 (D)
9/20/2017					
9/21/2017		<0.003			
9/22/2017					
3/12/2018					
3/13/2018	<0.003		0.0016 (J)	0.00093 (J)	<0.003
3/14/2018		<0.003			
9/6/2018					
9/7/2018	<0.003				<0.003
9/10/2018					
9/11/2018		<0.003	<0.003	<0.003	
3/7/2019					
3/8/2019			<0.003	<0.003	<0.003
3/11/2019	<0.003				
3/12/2019		<0.003			



# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	0.0036 (J)								
9/16/2014				<0.005					
9/17/2014					<0.005	<0.005	<0.005		
9/18/2014								<0.005	<0.005
10/3/2014	<0.005								
10/4/2014				<0.005	<0.005	<0.005	<0.005		
10/5/2014								<0.005	<0.005
10/20/2014	0.0022 (J)								
10/21/2014				<0.005	<0.005	<0.005	<0.005		
10/22/2014								<0.005	<0.005
10/23/2014									
11/5/2014							<0.005	<0.005	<0.005
11/10/2014	<0.005								
11/11/2014				<0.005	<0.005	0.005			
3/2/2015	<0.005								
3/3/2015				<0.005	<0.005	<0.005	<0.005		
3/4/2015								<0.005	<0.005
3/17/2015	<0.005								
3/18/2015				<0.005	<0.005	<0.005			
3/19/2015							<0.005	<0.005	<0.005
3/20/2015									
4/5/2015	<0.005								
4/6/2015				<0.005	<0.005				
4/7/2015						<0.005	<0.005	<0.005	
4/8/2015									<0.005
4/9/2015									
4/21/2015	<0.005								
4/23/2015				<0.005	<0.005	<0.005			
4/24/2015							<0.005	<0.005	<0.005
5/8/2015		<0.005							
5/9/2015			<0.005						
5/17/2015		<0.005							
5/18/2015			<0.005						
5/25/2015		<0.005							
5/26/2015			<0.005						
6/8/2015	<0.005								
6/9/2015			0.0028 (J)						
6/17/2015			<0.005						
6/18/2015	<0.005								
6/24/2015	<0.005								
6/25/2015			<0.005						
6/30/2015	<0.005								
7/1/2015			0.0024 (J)						
7/6/2015	<0.005								
7/7/2015			<0.005						
7/28/2015	<0.005								
7/29/2015				<0.005	<0.005	<0.005	<0.005		
7/30/2015								<0.005	<0.005
8/12/2015		<0.005							
8/13/2015			<0.005						
3/1/2016	<0.005								
3/2/2016		<0.005							



# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
7/19/2017									
9/15/2017	0.0007 (J)								
9/18/2017			<0.005						
9/19/2017		<0.005						0.0006 (J)	0.0013 (J)
9/20/2017							<0.005		
9/21/2017				0.001 (J)		<0.005			
9/22/2017					0.0008 (J)				
3/12/2018	<0.005		<0.005						
3/13/2018		<0.005							
3/14/2018				0.0013 (J)	0.00092 (J)	0.00057 (J)	0.00076 (J)	0.0011 (J)	0.0033 (J)
9/6/2018	<0.005								
9/7/2018			<0.005	<0.005		<0.005			
9/10/2018							<0.005	<0.005	<0.005
9/11/2018		<0.005			<0.005				
3/7/2019	<0.005		<0.005						
3/8/2019									
3/11/2019				<0.005					0.0038 (J)
3/12/2019		<0.005			<0.005	<0.005	<0.005	<0.005	

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			<0.005	<0.005	
9/17/2014					
9/18/2014	<0.005	<0.005			
10/3/2014					
10/4/2014			<0.005	<0.005	
10/5/2014	<0.005	<0.005			
10/20/2014					
10/21/2014					
10/22/2014	<0.005	<0.005			
10/23/2014			<0.005	<0.005	
11/5/2014	<0.005	<0.005			
11/10/2014			<0.005	<0.005	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	<0.005	<0.005	<0.005	<0.005	
3/17/2015					
3/18/2015					
3/19/2015	<0.005				
3/20/2015		<0.005	<0.005	<0.005	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	<0.005	<0.005	<0.005		
4/9/2015				<0.005	
4/21/2015					
4/23/2015		<0.005	<0.005	<0.005	
4/24/2015	<0.005				
5/8/2015					<0.005
5/9/2015					
5/17/2015					0.0021 (J)
5/18/2015					
5/25/2015					<0.005
5/26/2015					
6/8/2015					0.002 (J)
6/9/2015					
6/17/2015					
6/18/2015					0.0028 (J)
6/24/2015					0.0074
6/25/2015					
6/30/2015					0.0065
7/1/2015					
7/6/2015					0.0057
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.005	<0.005	<0.005	<0.005	
8/12/2015					0.0162
8/13/2015					
3/1/2016					
3/2/2016					

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/3/2016					
3/4/2016			0.0015 (J)		
3/7/2016	<0.003				
3/8/2016				<0.01	
3/9/2016		<0.003			
5/2/2016					
5/3/2016					
5/4/2016				<0.005	<0.005 (D)
5/5/2016	<0.005		<0.005		
5/6/2016		<0.005			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					0.0009 (JD)
7/11/2016					
7/12/2016			0.0009 (J)		
7/13/2016					
7/14/2016	0.001 (J)				
7/15/2016		<0.005			
7/18/2016				<0.005	
9/7/2016					
9/8/2016					<0.005 (D)
9/9/2016					
9/12/2016	<0.005				
9/13/2016			<0.005	<0.005	
9/14/2016		<0.005			
9/15/2016					
10/25/2016					
10/26/2016					<0.005 (D)
10/27/2016	<0.005		<0.005	<0.005	
10/31/2016					
11/1/2016		<0.005			
11/2/2016					
1/5/2017					
1/6/2017					<0.005 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	<0.005		<0.005	<0.005	
1/25/2017		<0.005			
3/14/2017					
3/15/2017					0.0006 (JD)
3/16/2017				0.0004 (J)	
3/20/2017	0.0012 (J)		0.0013 (J)		
3/21/2017					
3/22/2017		<0.005			
5/16/2017					
5/18/2017					0.0007 (JD)
5/19/2017			0.001 (J)	0.0005 (J)	
5/22/2017					
5/23/2017	<0.005				
5/24/2017		0.0006 (J)			

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
7/19/2017					0.0061 (D)
9/15/2017					
9/18/2017					
9/19/2017	0.0021 (J)		<0.005	<0.005	0.0021 (JD)
9/20/2017					
9/21/2017		<0.005			
9/22/2017					
3/12/2018					
3/13/2018	0.00087 (J)		0.0015 (J)	0.00073 (J)	0.0017 (J)
3/14/2018		0.0014 (J)			
9/6/2018					
9/7/2018	<0.005				<0.005
9/10/2018					
9/11/2018		<0.005	<0.005	<0.005	
3/7/2019					
3/8/2019			<0.005	<0.005	<0.005
3/11/2019	0.00099 (J)				
3/12/2019		<0.005			

# Time Series

Constituent: Barium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	0.031								
9/16/2014				0.069					
9/17/2014					0.019	0.015	0.018		
9/18/2014								0.031	0.023
10/3/2014	0.024								
10/4/2014				0.057	0.02	<0.0013	0.017		
10/5/2014								0.032	0.025
10/20/2014	0.024								
10/21/2014				0.056	0.02	0.027	0.017		
10/22/2014								0.03	0.025
10/23/2014									
11/5/2014							0.017	0.031	0.025
11/10/2014	0.014								
11/11/2014				0.05	0.021	0.028			
3/2/2015	0.013								
3/3/2015				0.045	0.02	0.034	0.016		
3/4/2015								0.026	0.024
3/17/2015	0.013								
3/18/2015				0.044	0.019	0.014			
3/19/2015							0.015	0.028	0.024
3/20/2015									
4/5/2015	0.022								
4/6/2015				0.045	0.02				
4/7/2015						0.017	0.017	0.031	
4/8/2015									0.027
4/9/2015									
4/21/2015	0.018								
4/23/2015				0.041	0.019	0.013			
4/24/2015							0.015	0.027	0.025
5/8/2015		0.014							
5/9/2015			0.042						
5/17/2015		0.015							
5/18/2015			0.063						
5/25/2015		0.014							
5/26/2015			0.057						
6/8/2015		0.014							
6/9/2015			0.07						
6/17/2015			0.065						
6/18/2015		0.013							
6/24/2015		0.014							
6/25/2015			0.068						
6/30/2015		0.014							
7/1/2015			0.069						
7/6/2015		0.013							
7/7/2015			0.071						
7/28/2015	0.022								
7/29/2015				0.043	0.02	0.013	0.016		
7/30/2015								0.032	0.025
8/12/2015		0.015 (J)	<0.02						
3/1/2016	0.021								
3/2/2016		0.015							
3/3/2016			0.0424	0.0806 (D)					





# Time Series

Constituent: Barium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2017	0.0231								
9/18/2017			0.0436						
9/19/2017		0.0153						0.034	0.0276
9/20/2017							0.0164		
9/21/2017				0.0418		0.0152			
9/22/2017					0.0195				
3/12/2018	0.023		0.041						
3/13/2018		0.015							
3/14/2018				0.036	0.02	0.014	0.016	0.03	0.024
9/6/2018	0.024								
9/7/2018			0.039	0.047		0.015			
9/10/2018							0.016	0.028	0.016
9/11/2018		0.015			0.019				
3/7/2019	0.018		0.033						
3/8/2019									
3/11/2019				0.044					0.015
3/12/2019		0.016			0.021	0.014	0.016	0.03	

# Time Series

Constituent: Barium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			0.019	0.015	
9/17/2014					
9/18/2014	0.057	0.042			
10/3/2014					
10/4/2014			0.019	0.015	
10/5/2014	0.052	0.038			
10/20/2014					
10/21/2014					
10/22/2014	0.052	0.029			
10/23/2014			0.019	0.015	
11/5/2014		0.031			
11/10/2014			0.019	0.015	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	0.046	0.03	0.021	0.016	
3/17/2015					
3/18/2015					
3/19/2015	0.045				
3/20/2015		0.027	0.02	0.015	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	0.045	0.032	0.023		
4/9/2015				0.016	
4/21/2015					
4/23/2015		0.026	0.02	0.015	
4/24/2015	0.039				
5/8/2015					0.0094
5/9/2015					
5/17/2015					0.014
5/18/2015					
5/25/2015					0.012
5/26/2015					
6/8/2015					0.0094
6/9/2015					
6/17/2015					
6/18/2015					0.0075
6/24/2015					0.0056
6/25/2015					
6/30/2015					0.0047
7/1/2015					
7/6/2015					0.0047
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	0.039	0.029	0.021	0.015	
8/12/2015					0.00383 (J)
3/1/2016					
3/2/2016					
3/3/2016					

# Time Series

Constituent: Barium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/4/2016			0.0422		
3/7/2016	0.026				
3/8/2016				0.0161	
3/9/2016		0.0284 (J)			
5/2/2016					
5/3/2016					
5/4/2016				0.0167	0.0207 (D)
5/5/2016	0.0374		0.0249		
5/6/2016		0.0233			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					0.0207 (D)
7/11/2016					
7/12/2016			0.0246		
7/13/2016					
7/14/2016	0.0271				
7/15/2016		0.0208			
7/18/2016				0.0162	
9/7/2016					
9/8/2016					0.0278 (D)
9/9/2016					
9/12/2016	0.045				
9/13/2016			0.0236	0.0161	
9/14/2016		0.0198			
9/15/2016					
10/25/2016					
10/26/2016					0.0204 (D)
10/27/2016	0.0359		0.0229	0.016	
10/31/2016					
11/1/2016		0.0207			
11/2/2016					
1/5/2017					
1/6/2017					0.0221 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	0.0338		0.0292	0.015	
1/25/2017		0.0195			
3/14/2017					
3/15/2017					0.0172 (D)
3/16/2017				0.0163	
3/20/2017	0.033		0.029		
3/21/2017					
3/22/2017		0.0211			
5/16/2017					
5/18/2017					0.0181 (D)
5/19/2017			0.0295	0.0164	
5/22/2017					
5/23/2017	0.0287				
5/24/2017		0.0217			
7/19/2017					0.018 (D)

# Time Series

Constituent: Barium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2017					
9/18/2017					
9/19/2017	0.0389		0.0248	0.0147	0.0271 (D)
9/20/2017					
9/21/2017		0.0226			
9/22/2017					
3/12/2018					
3/13/2018	0.028		0.031	0.015	0.017
3/14/2018		0.024			
9/6/2018					
9/7/2018	0.055				0.022
9/10/2018					
9/11/2018		0.023	0.024	0.015	
3/7/2019					
3/8/2019			0.02	0.017	0.015
3/11/2019	0.048				
3/12/2019		0.022			

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	0.0032								
9/16/2014				<0.0013					
9/17/2014					<0.0013	7.8E-05 (J)	<0.0013		
9/18/2014								<0.0013	<0.0013
10/3/2014	<0.0013								
10/4/2014				<0.0013	<0.0013	<0.0013	<0.0013		
10/5/2014								<0.0013	<0.0013
10/20/2014	0.0014								
10/21/2014				<0.0013	<0.0013	<0.0013	<0.0013		
10/22/2014								<0.0013	<0.0013
10/23/2014									
11/5/2014							<0.0013	<0.0013	<0.0013
11/10/2014	<0.0013								
11/11/2014				<0.0013	<0.0013	<0.0013			
3/2/2015	<0.0013								
3/3/2015				<0.0013	<0.0013	<0.0013	<0.0013		
3/4/2015								<0.0013	<0.0013
3/17/2015	8.3E-05 (J)								
3/18/2015				<0.0013	<0.0013	<0.0013			
3/19/2015							<0.0013	<0.0013	<0.0013
3/20/2015									
4/5/2015	0.00038 (J)								
4/6/2015				<0.0013	<0.0013				
4/7/2015						<0.0013	<0.0013	<0.0013	
4/8/2015									<0.0013
4/9/2015									
4/21/2015	0.0011 (J)								
4/23/2015				<0.0013	<0.0013	<0.0013			
4/24/2015							<0.0013	8.3E-05 (J)	<0.0013
5/8/2015		<0.0013							
5/9/2015			<0.0013						
5/17/2015		<0.0013							
5/18/2015			0.00011 (J)						
5/25/2015		<0.0013							
5/26/2015			<0.0013						
6/8/2015		<0.0013							
6/9/2015			0.00025 (J)						
6/17/2015			<0.0013						
6/18/2015		<0.0013							
6/24/2015		<0.0013							
6/25/2015			<0.0013						
6/30/2015		0.00014 (J)							
7/1/2015			0.00024 (J)						
7/6/2015		<0.0013							
7/7/2015			<0.0013						
7/28/2015	0.00092 (J)								
7/29/2015				<0.0013	<0.0013	<0.0013	<0.0013		
7/30/2015								<0.0013	<0.0013
8/12/2015		<0.004	<0.004						
3/1/2016	<0.003								
3/2/2016		<0.003							
3/3/2016			<0.003	<0.003 (D)					



# Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2017	<0.003								
9/18/2017			<0.003						
9/19/2017		<0.003						<0.003	<0.003
9/20/2017							0.0001 (J)		
9/21/2017				<0.003		<0.003			
9/22/2017					<0.003				
3/12/2018	5.6E-05 (J)		<0.003						
3/13/2018		<0.003							
3/14/2018				<0.003	<0.003	0.00011 (J)	6.5E-05 (J)	<0.003	<0.003
9/6/2018	<0.003								
9/7/2018			<0.003	<0.003		<0.003			
9/10/2018							<0.003	<0.003	<0.003
9/11/2018		<0.003			<0.003				
3/7/2019	6.8E-05 (J)		<0.003						
3/8/2019									
3/11/2019				<0.003					<0.003
3/12/2019		<0.003			<0.003	<0.003	<0.003	<0.003	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			<0.0013	<0.0013	
9/17/2014					
9/18/2014	<0.0013	<0.0013			
10/3/2014					
10/4/2014			<0.0013	<0.0013	
10/5/2014	<0.0013	<0.0013			
10/20/2014					
10/21/2014					
10/22/2014	<0.0013	<0.0013			
10/23/2014			<0.0013	<0.0013	
11/5/2014	<0.0013	<0.0013			
11/10/2014			<0.0013	<0.0013	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	<0.0013	<0.0013	<0.0013	<0.0013	
3/17/2015					
3/18/2015					
3/19/2015	<0.0013				
3/20/2015		<0.0013	<0.0013	<0.0013	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	<0.0013	<0.0013	<0.0013		
4/9/2015				<0.0013	
4/21/2015					
4/23/2015		<0.0013	<0.0013	<0.0013	
4/24/2015	<0.0013				
5/8/2015					<0.0013
5/9/2015					
5/17/2015					0.00022 (J)
5/18/2015					
5/25/2015					<0.0013
5/26/2015					
6/8/2015					<0.0013
6/9/2015					
6/17/2015					
6/18/2015					<0.0013
6/24/2015					<0.0013
6/25/2015					
6/30/2015					<0.0013
7/1/2015					
7/6/2015					<0.0013
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.0013	<0.0013	<0.0013	<0.0013	
8/12/2015					<0.004
3/1/2016					
3/2/2016					
3/3/2016					



# Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/4/2016			<0.01		
3/7/2016	<0.005				
3/8/2016				<0.005	
3/9/2016		<0.005			
5/2/2016					
5/3/2016					
5/4/2016				<0.003	<0.003 (D)
5/5/2016	<0.003		<0.003		
5/6/2016		<0.003			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					<0.003 (D)
7/11/2016					
7/12/2016			<0.003		
7/13/2016					
7/14/2016	<0.003				
7/15/2016		<0.003			
7/18/2016				<0.003	
9/7/2016					
9/8/2016					<0.003 (D)
9/9/2016					
9/12/2016	<0.003				
9/13/2016			<0.003	<0.003	
9/14/2016		<0.003			
9/15/2016					
10/25/2016					
10/26/2016					<0.003 (D)
10/27/2016	<0.003		<0.003	<0.003	
10/31/2016					
11/1/2016		<0.003			
11/2/2016					
1/5/2017					
1/6/2017					<0.003 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	<0.003		<0.003	<0.003	
1/25/2017		<0.003			
3/14/2017					
3/15/2017					<0.003 (D)
3/16/2017				<0.003	
3/20/2017	<0.003		<0.003		
3/21/2017					
3/22/2017		<0.003			
5/16/2017					
5/18/2017					<0.003 (D)
5/19/2017			<0.003	<0.003	
5/22/2017					
5/23/2017	<0.003				
5/24/2017		<0.003			
7/19/2017					<0.003 (D)

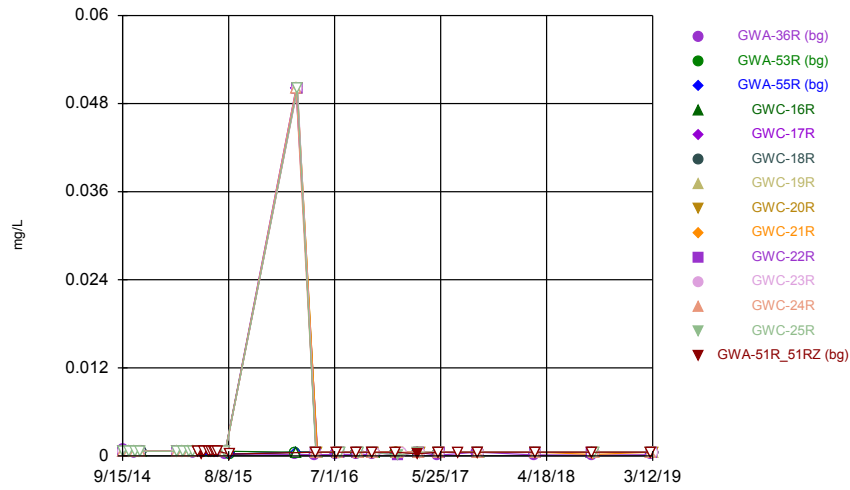
# Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

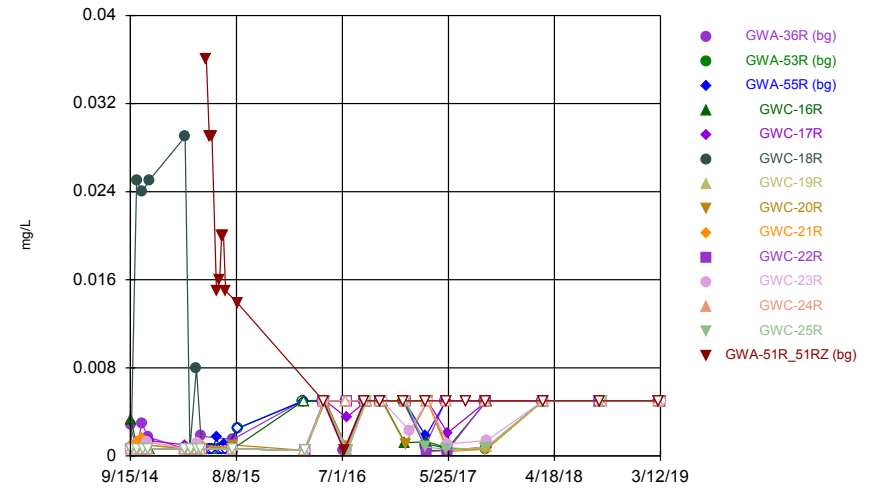
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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2017					
9/18/2017					
9/19/2017	<0.003		<0.003	<0.003	<0.003 (D)
9/20/2017					
9/21/2017		<0.003			
9/22/2017					
3/12/2018					
3/13/2018	<0.003		<0.003	<0.003	<0.003
3/14/2018		<0.003			
9/6/2018					
9/7/2018	<0.003				<0.003
9/10/2018					
9/11/2018		<0.003	<0.003	<0.003	
3/7/2019					
3/8/2019			<0.003	<0.003	<0.003
3/11/2019	<0.003				
3/12/2019		<0.003			

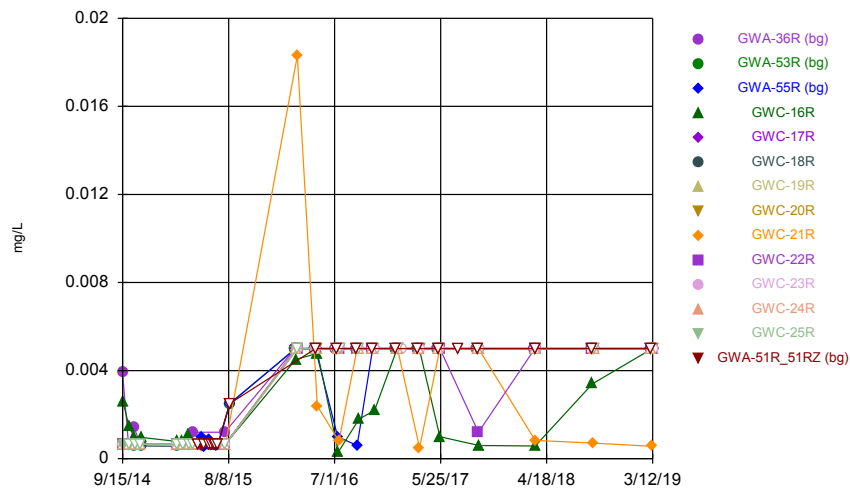
Time Series



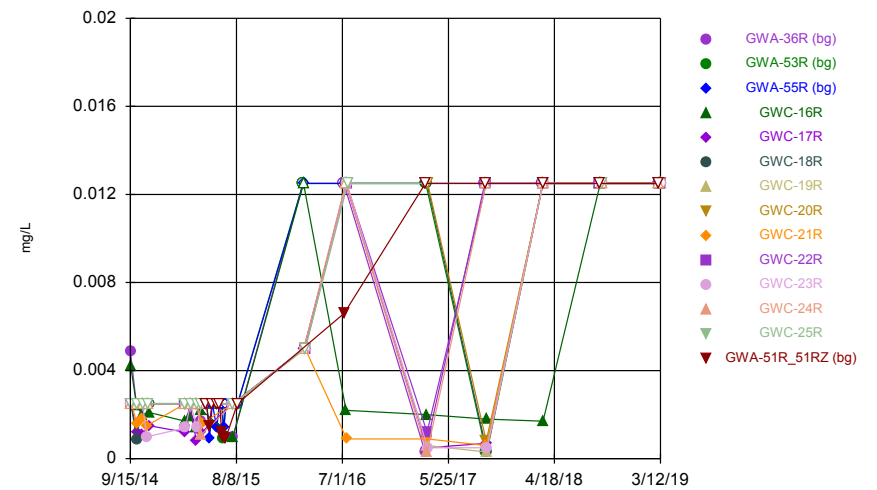
Time Series



Time Series



Time Series



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	0.001 (J)								
9/16/2014				<0.0013					
9/17/2014					<0.0013	<0.0013	<0.0013		
9/18/2014								<0.0013	<0.0013
10/3/2014	<0.0013								
10/4/2014				<0.0013	<0.0013	<0.0013	<0.0013		
10/5/2014								<0.0013	<0.0013
10/20/2014	0.00036 (J)								
10/21/2014				<0.0013	<0.0013	<0.0013	<0.0013		
10/22/2014								<0.0013	<0.0013
10/23/2014									
11/5/2014							<0.0013	<0.0013	<0.0013
11/10/2014	<0.0013								
11/11/2014				<0.0013	<0.0013	<0.0013			
3/2/2015	<0.0013								
3/3/2015				<0.0013	<0.0013	<0.0013	<0.0013		
3/4/2015								<0.0013	<0.0013
3/17/2015	<0.0013								
3/18/2015				<0.0013	<0.0013	<0.0013			
3/19/2015							<0.0013	<0.0013	<0.0013
3/20/2015									
4/5/2015	<0.0013								
4/6/2015				<0.0013	<0.0013				
4/7/2015						<0.0013	<0.0013	<0.0013	
4/8/2015									<0.0013
4/9/2015									
4/21/2015	0.00044 (J)								
4/23/2015				<0.0013	<0.0013	<0.0013			
4/24/2015							<0.0013	<0.0013	<0.0013
5/8/2015		<0.0013							
5/9/2015			<0.0013						
5/17/2015		<0.0013							
5/18/2015			<0.0013						
5/25/2015		<0.0013							
5/26/2015			<0.0013						
6/8/2015		<0.0013							
6/9/2015			<0.0013						
6/17/2015			<0.0013						
6/18/2015		<0.0013							
6/24/2015		<0.0013							
6/25/2015			<0.0013						
6/30/2015		<0.0013							
7/1/2015			<0.0013						
7/6/2015		<0.0013							
7/7/2015			<0.0013						
7/28/2015	0.00027 (J)								
7/29/2015				<0.0013	<0.0013	<0.0013	<0.0013		
7/30/2015								<0.0013	<0.0013
8/12/2015		<0.0005							
8/13/2015			<0.0005						
3/1/2016	0.000207 (J)								
3/2/2016		<0.001							



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
7/19/2017									
9/15/2017	<0.001								
9/18/2017			<0.001						
9/19/2017		<0.001						<0.001	<0.001
9/20/2017							<0.001		
9/21/2017				<0.001		<0.001			
9/22/2017					<0.001				
3/12/2018	0.00013 (J)		<0.001						
3/13/2018		<0.001							
3/14/2018				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/6/2018	0.00011 (J)								
9/7/2018			<0.001	<0.001		<0.001			
9/10/2018							<0.001	<0.001	0.00021 (J)
9/11/2018		<0.001			<0.001				
3/7/2019	0.00017 (J)		<0.001						
3/8/2019									
3/11/2019				<0.001					<0.001
3/12/2019		<0.001			<0.001	<0.001	<0.001	<0.001	

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			<0.0013	<0.0013	
9/17/2014					
9/18/2014	<0.0013	<0.0013			
10/3/2014					
10/4/2014			<0.0013	<0.0013	
10/5/2014	<0.0013	<0.0013			
10/20/2014					
10/21/2014					
10/22/2014	<0.0013	<0.0013			
10/23/2014			<0.0013	<0.0013	
11/5/2014	<0.0013	<0.0013			
11/10/2014			<0.0013	<0.0013	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	<0.0013	<0.0013	<0.0013	<0.0013	
3/17/2015					
3/18/2015					
3/19/2015	<0.0013				
3/20/2015		<0.0013	<0.0013	<0.0013	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	<0.0013	<0.0013	<0.0013		
4/9/2015				<0.0013	
4/21/2015					
4/23/2015		<0.0013	<0.0013	<0.0013	
4/24/2015	<0.0013				
5/8/2015					<0.0013
5/9/2015					
5/17/2015					0.00029 (J)
5/18/2015					
5/25/2015					<0.0013
5/26/2015					
6/8/2015					<0.0013
6/9/2015					
6/17/2015					
6/18/2015					<0.0013
6/24/2015					<0.0013
6/25/2015					
6/30/2015					<0.0013
7/1/2015					
7/6/2015					<0.0013
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.0013	<0.0013	<0.0013	<0.0013	
8/12/2015					<0.0005
8/13/2015					
3/1/2016					
3/2/2016					

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/3/2016					
3/4/2016			<0.1		
3/7/2016	<0.1				
3/8/2016				<0.1	
3/9/2016		<0.1			
5/2/2016					
5/3/2016					
5/4/2016				<0.001	<0.001 (D)
5/5/2016	<0.001		<0.001		
5/6/2016		<0.001			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					<0.001 (D)
7/11/2016					
7/12/2016			<0.001		
7/13/2016					
7/14/2016	<0.001				
7/15/2016		<0.001			
7/18/2016				<0.001	
9/7/2016					
9/8/2016					<0.001 (D)
9/9/2016					
9/12/2016	<0.001				
9/13/2016			<0.001	<0.001	
9/14/2016		<0.001			
9/15/2016					
10/25/2016					
10/26/2016					<0.001 (D)
10/27/2016	<0.001		<0.001	<0.001	
10/31/2016					
11/1/2016		<0.001			
11/2/2016					
1/5/2017					
1/6/2017					<0.001 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	8E-05 (J)		<0.001	0.0001 (J)	
1/25/2017		<0.001			
3/14/2017					
3/15/2017					0.0003 (D)
3/16/2017				<0.001 (*)	
3/20/2017	<0.001		<0.001		
3/21/2017					
3/22/2017		<0.001			
5/16/2017					
5/18/2017					<0.001 (D)
5/19/2017			<0.001	<0.001	
5/22/2017					
5/23/2017	<0.001				
5/24/2017		<0.001			



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
7/19/2017					<0.001 (D)
9/15/2017					
9/18/2017					
9/19/2017	<0.001		<0.001	<0.001	<0.001 (D)
9/20/2017					
9/21/2017		<0.001			
9/22/2017					
3/12/2018					
3/13/2018	<0.001		<0.001	<0.001	<0.001
3/14/2018		<0.001			
9/6/2018					
9/7/2018	<0.001				<0.001
9/10/2018					
9/11/2018		<0.001	<0.001	<0.001	
3/7/2019					
3/8/2019			<0.001	<0.001	<0.001
3/11/2019	<0.001				
3/12/2019		<0.001			

# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	0.0028								
9/16/2014				0.0033					
9/17/2014					<0.0013	<0.0013	<0.0013		
9/18/2014								<0.0013	0.001 (J)
10/3/2014	<0.0013								
10/4/2014				0.0011 (J)	<0.0013	0.025	0.001 (J)		
10/5/2014								<0.0013	0.0013
10/20/2014	0.0029								
10/21/2014				<0.0013	<0.0013	0.024	0.0011 (J)		
10/22/2014								<0.0013	0.0016
10/23/2014									
11/5/2014							0.001 (J)	0.001 (J)	0.0013
11/10/2014	0.0017								
11/11/2014				<0.0013	0.0014	0.025			
3/2/2015	<0.0013								
3/3/2015				<0.0013	0.001 (J)	0.029	<0.0013		
3/4/2015								<0.0013	<0.0013
3/17/2015	<0.0013								
3/18/2015				<0.0013	<0.0013	<0.0013			
3/19/2015							<0.0013	<0.0013	<0.0013
3/20/2015									
4/5/2015	<0.0013								
4/6/2015				<0.0013	<0.0013				
4/7/2015						0.008	<0.0013	<0.0013	
4/8/2015									<0.0013
4/9/2015									
4/21/2015	0.0018								
4/23/2015				0.001 (J)	<0.0013	<0.0013			
4/24/2015							<0.0013	<0.0013	0.001 (J)
5/8/2015		<0.0013							
5/9/2015			<0.0013						
5/17/2015		<0.0013							
5/18/2015			<0.0013						
5/25/2015		<0.0013							
5/26/2015			<0.0013						
6/8/2015		<0.0013							
6/9/2015			0.0017						
6/17/2015			<0.0013						
6/18/2015		<0.0013							
6/24/2015		<0.0013							
6/25/2015			<0.0013						
6/30/2015		<0.0013							
7/1/2015			0.0011 (J)						
7/6/2015		<0.0013							
7/7/2015			<0.0013						
7/28/2015	0.0015								
7/29/2015				<0.0013	<0.0013	<0.0013	<0.0013		
7/30/2015								0.001 (J)	<0.0013
8/12/2015		<0.005							
8/13/2015			<0.005						
3/1/2016	<0.01								
3/2/2016		<0.01							



# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
7/19/2017									
9/15/2017	<0.01								
9/18/2017			<0.01						
9/19/2017		0.0006 (J)						0.0006 (J)	0.0006 (J)
9/20/2017							0.0008 (J)		
9/21/2017				<0.01		0.0008 (J)			
9/22/2017					<0.01				
3/12/2018	<0.01		<0.01						
3/13/2018		<0.01							
3/14/2018				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2018	<0.01								
9/7/2018			<0.01	<0.01		<0.01			
9/10/2018							<0.01	<0.01	<0.01
9/11/2018		<0.01			<0.01				
3/7/2019	<0.01		<0.01						
3/8/2019									
3/11/2019				<0.01					<0.01
3/12/2019		<0.01			<0.01	<0.01	<0.01	<0.01	

# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			<0.0013	<0.0013	
9/17/2014					
9/18/2014	<0.0013	<0.0013			
10/3/2014					
10/4/2014			<0.0013	<0.0013	
10/5/2014	<0.0013	<0.0013			
10/20/2014					
10/21/2014					
10/22/2014	<0.0013	<0.0013			
10/23/2014			<0.0013	<0.0013	
11/5/2014	<0.0013	0.0013			
11/10/2014			<0.0013	<0.0013	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	<0.0013	<0.0013	<0.0013	<0.0013	
3/17/2015					
3/18/2015					
3/19/2015	<0.0013				
3/20/2015		<0.0013	<0.0013	<0.0013	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	<0.0013	0.0012 (J)	<0.0013		
4/9/2015				<0.0013	
4/21/2015					
4/23/2015		<0.0013	<0.0013	<0.0013	
4/24/2015	<0.0013				
5/8/2015					0.036
5/9/2015					
5/17/2015					0.029
5/18/2015					
5/25/2015					0.029
5/26/2015					
6/8/2015					0.015
6/9/2015					
6/17/2015					
6/18/2015					0.016
6/24/2015					0.02
6/25/2015					
6/30/2015					0.02
7/1/2015					
7/6/2015					0.015
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.0013	<0.0013	<0.0013	<0.0013	
8/12/2015					0.0139
8/13/2015					
3/1/2016					
3/2/2016					

# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/3/2016					
3/4/2016			<0.001		
3/7/2016	<0.001				
3/8/2016				<0.001	
3/9/2016		<0.001			
5/2/2016					
5/3/2016					
5/4/2016				<0.01	<0.01 (D)
5/5/2016	<0.01		<0.01		
5/6/2016		<0.01			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					0.0005 (JD)
7/11/2016					
7/12/2016			<0.01		
7/13/2016					
7/14/2016	<0.01				
7/15/2016		0.0005 (J)			
7/18/2016				0.0005 (J)	
9/7/2016					
9/8/2016					<0.01 (D)
9/9/2016					
9/12/2016	<0.01				
9/13/2016			<0.01	<0.01	
9/14/2016		<0.01			
9/15/2016					
10/25/2016					
10/26/2016					<0.01 (D)
10/27/2016	<0.01		<0.01	<0.01	
10/31/2016					
11/1/2016		<0.01			
11/2/2016					
1/5/2017					
1/6/2017					<0.01 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	<0.01		<0.01	<0.01	
1/25/2017		0.0023 (J)			
3/14/2017					
3/15/2017					<0.01 (D)
3/16/2017				0.0008 (J)	
3/20/2017	0.0004 (J)		<0.01		
3/21/2017					
3/22/2017		<0.01 (*)			
5/16/2017					
5/18/2017					<0.01 (D)
5/19/2017			<0.01	0.0006 (J)	
5/22/2017					
5/23/2017	0.0005 (J)				
5/24/2017		0.0011 (J)			

# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
7/19/2017					<0.01 (D)
9/15/2017					
9/18/2017					
9/19/2017	<0.01		<0.01	0.0007 (J)	<0.01 (D)
9/20/2017					
9/21/2017		0.0014 (J)			
9/22/2017					
3/12/2018					
3/13/2018	<0.01		<0.01	<0.01	<0.01
3/14/2018		<0.01			
9/6/2018					
9/7/2018	<0.01				<0.01
9/10/2018					
9/11/2018		<0.01	<0.01	<0.01	
3/7/2019					
3/8/2019			<0.01	<0.01	<0.01
3/11/2019	<0.01				
3/12/2019		<0.01			

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	0.0039								
9/16/2014				0.0026					
9/17/2014					<0.0013	<0.0013	<0.0013		
9/18/2014								<0.0013	<0.0013
10/3/2014	<0.0013								
10/4/2014				0.0015	<0.0013	0.00063 (J)	<0.0013		
10/5/2014								<0.0013	<0.0013
10/20/2014	0.0014								
10/21/2014				0.00099 (J)	<0.0013	0.00058 (J)	<0.0013		
10/22/2014								<0.0013	<0.0013
10/23/2014									
11/5/2014							<0.0013	<0.0013	<0.0013
11/10/2014	<0.0013								
11/11/2014				0.00097 (J)	<0.0013	0.00058 (J)			
3/2/2015	<0.0013								
3/3/2015				0.00078 (J)	<0.0013	0.00056 (J)	<0.0013		
3/4/2015								<0.0013	<0.0013
3/17/2015	<0.0013								
3/18/2015				0.00081 (J)	<0.0013	<0.0013			
3/19/2015							<0.0013	<0.0013	<0.0013
3/20/2015									
4/5/2015	<0.0013								
4/6/2015				0.0011 (J)	<0.0013				
4/7/2015						<0.0013	<0.0013	<0.0013	
4/8/2015									<0.0013
4/9/2015									
4/21/2015	0.0012 (J)								
4/23/2015				0.0007 (J)	<0.0013	<0.0013			
4/24/2015							<0.0013	<0.0013	<0.0013
5/8/2015		<0.0013							
5/9/2015			<0.0013						
5/17/2015		<0.0013							
5/18/2015			0.001 (J)						
5/25/2015		<0.0013							
5/26/2015			0.00052 (J)						
6/8/2015		<0.0013							
6/9/2015			0.00087 (J)						
6/17/2015			<0.0013						
6/18/2015		<0.0013							
6/24/2015		<0.0013							
6/25/2015			<0.0013						
6/30/2015		<0.0013							
7/1/2015			0.0006 (J)						
7/6/2015		<0.0013							
7/7/2015			<0.0013						
7/28/2015	0.0012 (J)								
7/29/2015				<0.0013	<0.0013	<0.0013	<0.0013		
7/30/2015								<0.0013	<0.0013
8/12/2015		<0.005							
8/13/2015			<0.005						
3/1/2016	<0.01								
3/2/2016		<0.01							





# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
7/19/2017									
9/15/2017	<0.01								
9/18/2017			<0.01						
9/19/2017		<0.01						<0.01	<0.01
9/20/2017							<0.01		
9/21/2017				0.0006 (J)		<0.01			
9/22/2017					<0.01				
3/12/2018	<0.01		<0.01						
3/13/2018		<0.01							
3/14/2018				0.00058 (J)	<0.01	<0.01	<0.01	<0.01	0.00083 (J)
9/6/2018	<0.01								
9/7/2018			<0.01	0.0034 (J)		<0.01			
9/10/2018							<0.01	<0.01	0.00071 (J)
9/11/2018		<0.01			<0.01				
3/7/2019	<0.01		<0.01						
3/8/2019									
3/11/2019				<0.01					0.00056 (J)
3/12/2019		<0.01			<0.01	<0.01	<0.01	<0.01	

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			<0.0013	0.0006 (J)	
9/17/2014					
9/18/2014	<0.0013	<0.0013			
10/3/2014					
10/4/2014			<0.0013	<0.0013	
10/5/2014	<0.0013	<0.0013			
10/20/2014					
10/21/2014					
10/22/2014	<0.0013	<0.0013			
10/23/2014			<0.0013	<0.0013	
11/5/2014	<0.0013	<0.0013			
11/10/2014			<0.0013	<0.0013	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	<0.0013	<0.0013	<0.0013	<0.0013	
3/17/2015					
3/18/2015					
3/19/2015	<0.0013				
3/20/2015		<0.0013	<0.0013	<0.0013	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	<0.0013	<0.0013	<0.0013		
4/9/2015				<0.0013	
4/21/2015					
4/23/2015		<0.0013	<0.0013	<0.0013	
4/24/2015	<0.0013				
5/8/2015					<0.0013
5/9/2015					
5/17/2015					0.00059 (J)
5/18/2015					
5/25/2015					<0.0013
5/26/2015					
6/8/2015					<0.0013
6/9/2015					
6/17/2015					
6/18/2015					<0.0013
6/24/2015					<0.0013
6/25/2015					
6/30/2015					<0.0013
7/1/2015					
7/6/2015					<0.0013
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.0013	<0.0013	<0.0013	<0.0013	
8/12/2015					<0.005
8/13/2015					
3/1/2016					
3/2/2016					

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/3/2016					
3/4/2016			<0.01		
3/7/2016	<0.01				
3/8/2016				<0.01	
3/9/2016		<0.01			
5/2/2016					
5/3/2016					
5/4/2016				<0.01	<0.01 (D)
5/5/2016	<0.01		<0.01		
5/6/2016		<0.01			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					<0.01 (D)
7/11/2016					
7/12/2016			<0.01		
7/13/2016					
7/14/2016	<0.01				
7/15/2016		<0.01			
7/18/2016				<0.01	
9/7/2016					
9/8/2016					<0.01 (D)
9/9/2016					
9/12/2016	<0.01				
9/13/2016			<0.01	<0.01	
9/14/2016		<0.01			
9/15/2016					
10/25/2016					
10/26/2016					<0.01 (D)
10/27/2016	<0.01		<0.01	<0.01	
10/31/2016					
11/1/2016		<0.01			
11/2/2016					
1/5/2017					
1/6/2017					<0.01 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	<0.01		<0.01	<0.01	
1/25/2017		<0.01			
3/14/2017					
3/15/2017					<0.01 (D)
3/16/2017				<0.01	
3/20/2017	<0.01		<0.01		
3/21/2017					
3/22/2017		<0.01			
5/16/2017					
5/18/2017					<0.01 (D)
5/19/2017			<0.01	<0.01	
5/22/2017					
5/23/2017	<0.01				
5/24/2017		<0.01			

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
7/19/2017					<0.01 (D)
9/15/2017					
9/18/2017					
9/19/2017	0.0012 (J)		<0.01	<0.01	<0.01 (D)
9/20/2017					
9/21/2017		<0.01			
9/22/2017					
3/12/2018					
3/13/2018	<0.01		<0.01	<0.01	<0.01
3/14/2018		<0.01			
9/6/2018					
9/7/2018	<0.01				<0.01
9/10/2018					
9/11/2018		<0.01	<0.01	<0.01	
3/7/2019					
3/8/2019			<0.01	<0.01	<0.01
3/11/2019	<0.01				
3/12/2019		<0.01			

# Time Series

Constituent: Copper (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	0.0049 (J)								
9/16/2014				0.0042 (J)					
9/17/2014					<0.005	<0.005	<0.005		
9/18/2014								<0.005	<0.005
10/3/2014	<0.005								
10/4/2014				0.0024 (J)	0.0012 (J)	0.00086 (J)	<0.005		
10/5/2014								<0.005	0.0016 (J)
10/20/2014	0.0024 (J)								
10/21/2014				0.002 (J)	0.0011 (J)	<0.005	<0.005		
10/22/2014								<0.005	0.0018 (J)
10/23/2014									
11/5/2014							<0.005	<0.005	0.0015 (J)
11/10/2014	<0.005								
11/11/2014				0.0021 (J)	0.0015 (J)	<0.005			
3/2/2015	<0.005								
3/3/2015				0.0017 (J)	0.0012 (J)	<0.005	<0.005		
3/4/2015								<0.005	<0.005
3/17/2015	<0.005								
3/18/2015				0.0019 (J)	<0.005	<0.005			
3/19/2015							<0.005	<0.005	<0.005
3/20/2015									
4/5/2015	<0.005								
4/6/2015				0.0014 (J)	0.00083 (J)				
4/7/2015						<0.005	<0.005	<0.005	
4/8/2015									<0.005
4/9/2015									
4/21/2015	0.0017 (J)								
4/23/2015				0.0022 (J)	0.0012 (J)	<0.005			
4/24/2015							<0.005	<0.005	0.0016 (J)
5/8/2015		<0.005							
5/9/2015			<0.005						
5/17/2015		<0.005							
5/18/2015			0.00093 (J)						
5/25/2015		<0.005							
5/26/2015			<0.005						
6/8/2015		<0.005							
6/9/2015			0.0014 (J)						
6/17/2015			<0.005						
6/18/2015		<0.005							
6/24/2015		<0.005							
6/25/2015			<0.005						
6/30/2015		0.00093 (J)							
7/1/2015			0.0014 (J)						
7/6/2015		<0.005							
7/7/2015			<0.005						
7/28/2015	0.00097 (J)								
7/29/2015				0.00098 (J)	<0.005	<0.005	<0.005		
7/30/2015								<0.005	<0.005
8/12/2015		<0.005							
8/13/2015			<0.005						
3/1/2016	<0.025								
3/2/2016		<0.025							

# Time Series

Constituent: Copper (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
3/3/2016			<0.025	<0.025 (D)					
3/4/2016					<0.01				
3/7/2016						<0.01	<0.01		
3/8/2016								<0.01	<0.01
3/9/2016									
7/6/2016	<0.025								
7/7/2016									
7/11/2016		<0.025	<0.025						
7/12/2016									
7/13/2016				0.0022 (J)		<0.025			
7/14/2016					0.0124 (J)		<0.025	<0.025	
7/15/2016									0.0009 (J)
7/18/2016									
3/14/2017	0.0003 (J)								
3/15/2017									
3/16/2017		<0.025	<0.025 (*)						
3/20/2017				0.002 (J)		<0.025			
3/21/2017					0.0005 (J)		0.0006 (J)		0.0009 (J)
3/22/2017								<0.025	
9/15/2017	<0.025								
9/18/2017			<0.025						
9/19/2017		0.0003 (J)						0.0008 (J)	0.0006 (J)
9/20/2017							0.0003 (J)		
9/21/2017				0.0018 (J)		0.0003 (J)			
9/22/2017					0.0007 (J)				
3/12/2018	<0.025		<0.025						
3/13/2018		<0.025							
3/14/2018				0.0017 (J)	<0.025	<0.025	<0.025	<0.025	<0.025
9/6/2018	<0.025								
9/7/2018			<0.025	<0.025		<0.025			
9/10/2018							<0.025	<0.025	<0.025
9/11/2018		<0.025			<0.025				
3/7/2019	<0.025		<0.025						
3/8/2019									
3/11/2019				<0.025					<0.025
3/12/2019		<0.025			<0.025	<0.025	<0.025	<0.025	

# Time Series

Constituent: Copper (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			<0.005	<0.005	
9/17/2014					
9/18/2014	<0.005	<0.005			
10/3/2014					
10/4/2014			<0.005	<0.005	
10/5/2014	<0.005	<0.005			
10/20/2014					
10/21/2014					
10/22/2014	<0.005	<0.005			
10/23/2014			<0.005	<0.005	
11/5/2014	<0.005	0.001 (J)			
11/10/2014			<0.005	<0.005	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	<0.005	0.0014 (J)	<0.005	<0.005	
3/17/2015					
3/18/2015					
3/19/2015	<0.005				
3/20/2015		<0.005	<0.005	<0.005	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	<0.005	0.0014 (J)	<0.005		
4/9/2015				<0.005	
4/21/2015					
4/23/2015		<0.005	0.0011 (J)	<0.005	
4/24/2015	<0.005				
5/8/2015					<0.005
5/9/2015					
5/17/2015					0.0015 (J)
5/18/2015					
5/25/2015					<0.005
5/26/2015					
6/8/2015					<0.005
6/9/2015					
6/17/2015					
6/18/2015					<0.005
6/24/2015					0.0012 (J)
6/25/2015					
6/30/2015					0.00096 (J)
7/1/2015					
7/6/2015					0.00091 (J)
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.005	<0.005	<0.005	<0.005	
8/12/2015					<0.005
8/13/2015					
3/1/2016					
3/2/2016					

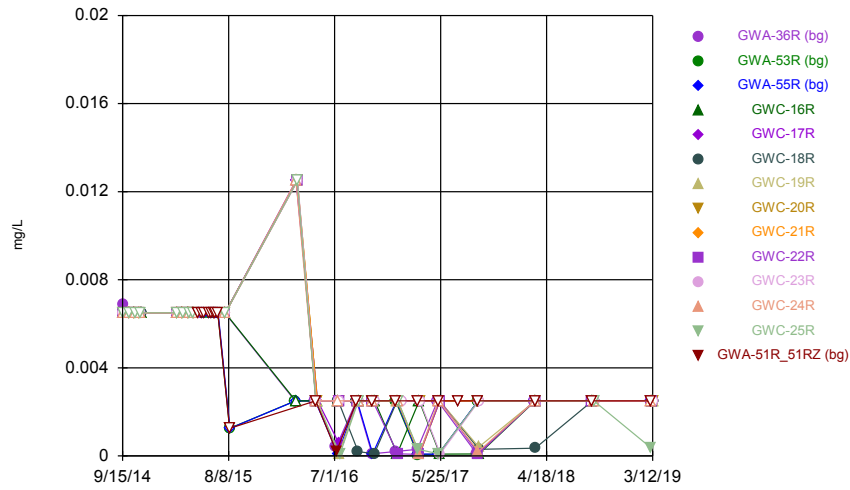


# Time Series

Constituent: Copper (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

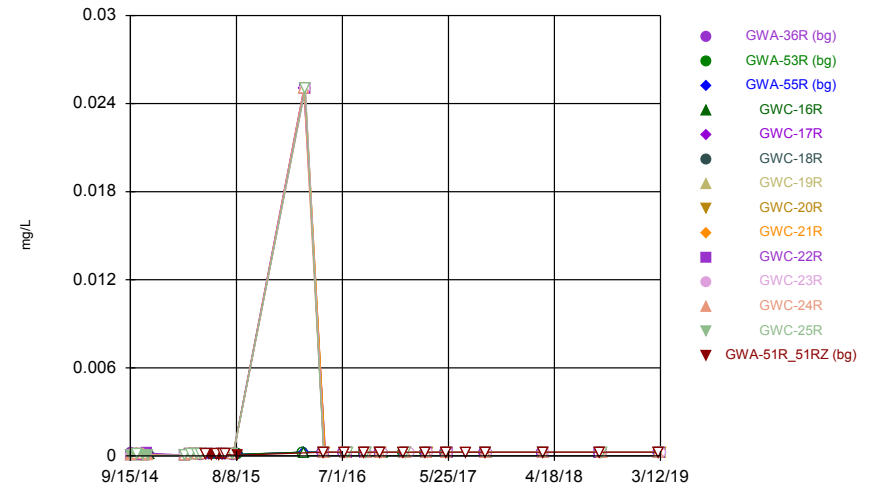
	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/3/2016					
3/4/2016			<0.01		
3/7/2016	<0.01				
3/8/2016				<0.01	
3/9/2016		<0.01			
7/6/2016					
7/7/2016					0.0066 (JD)
7/11/2016					
7/12/2016			<0.025		
7/13/2016					
7/14/2016	<0.025				
7/15/2016		<0.025			
7/18/2016				<0.025	
3/14/2017					
3/15/2017					<0.025 (D)
3/16/2017				<0.025 (*)	
3/20/2017	0.0012 (J)		0.0003 (J)		
3/21/2017					
3/22/2017		0.0005 (J)			
9/15/2017					
9/18/2017					
9/19/2017	<0.025		<0.025	<0.025	<0.025 (D)
9/20/2017					
9/21/2017		0.0005 (J)			
9/22/2017					
3/12/2018					
3/13/2018	<0.025		<0.025	<0.025	<0.025
3/14/2018		<0.025			
9/6/2018					
9/7/2018	<0.025				<0.025
9/10/2018					
9/11/2018		<0.025	<0.025	<0.025	
3/7/2019					
3/8/2019			<0.025	<0.025	<0.025
3/11/2019	<0.025				
3/12/2019		<0.025			

Time Series



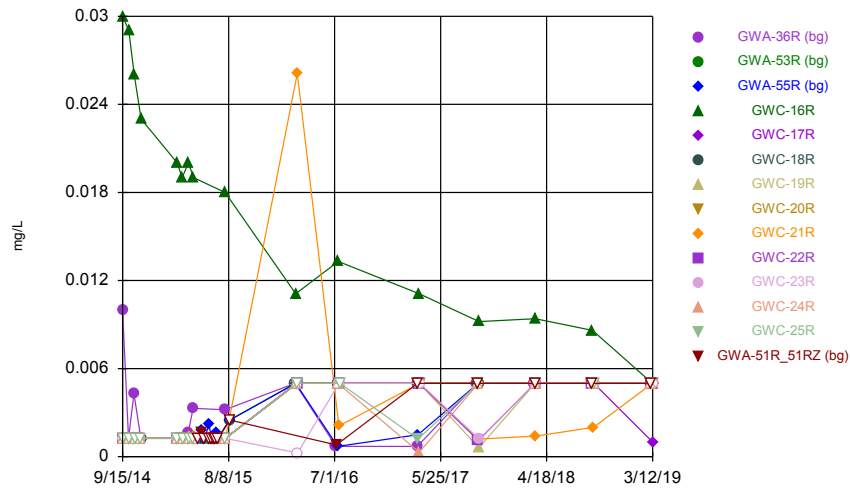
Constituent: Lead Analysis Run 5/1/2019 2:51 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



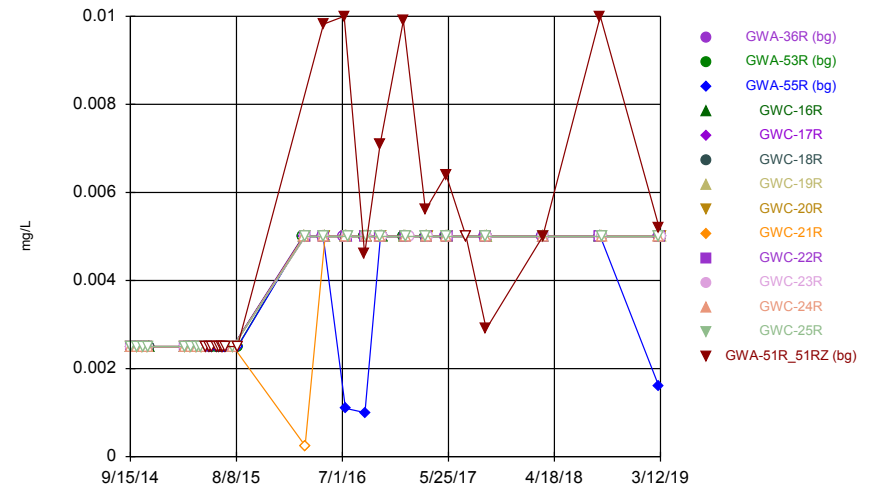
Constituent: Mercury Analysis Run 5/1/2019 2:51 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Nickel Analysis Run 5/1/2019 2:51 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Selenium Analysis Run 5/1/2019 2:51 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

# Time Series

Constituent: Lead (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	0.0069 (J)								
9/16/2014				<0.013					
9/17/2014					<0.013	<0.013	<0.013		
9/18/2014								<0.013	<0.013
10/3/2014	<0.013								
10/4/2014				<0.013	<0.013	<0.013	<0.013		
10/5/2014								<0.013	<0.013
10/20/2014	<0.013								
10/21/2014				<0.013	<0.013	<0.013	<0.013		
10/22/2014								<0.013	<0.013
10/23/2014									
11/5/2014							<0.013	<0.013	<0.013
11/10/2014	<0.013								
11/11/2014				<0.013	<0.013	<0.013			
3/2/2015	<0.013								
3/3/2015				<0.013	<0.013	<0.013	<0.013		
3/4/2015								<0.013	<0.013
3/17/2015	<0.013								
3/18/2015				<0.013	<0.013	<0.013			
3/19/2015							<0.013	<0.013	<0.013
3/20/2015									
4/5/2015	<0.013								
4/6/2015				<0.013	<0.013				
4/7/2015						<0.013	<0.013	<0.013	
4/8/2015									<0.013
4/9/2015									
4/21/2015	<0.013								
4/23/2015				<0.013	<0.013	<0.013			
4/24/2015							<0.013	<0.013	<0.013
5/8/2015		<0.013							
5/9/2015			<0.013						
5/17/2015		<0.013							
5/18/2015			<0.013						
5/25/2015		<0.013							
5/26/2015			<0.013						
6/8/2015		<0.013							
6/9/2015			<0.013						
6/17/2015			<0.013						
6/18/2015		<0.013							
6/24/2015		<0.013							
6/25/2015			<0.013						
6/30/2015		<0.013							
7/1/2015			<0.013						
7/6/2015		<0.013							
7/7/2015			<0.013						
7/28/2015	<0.013								
7/29/2015				<0.013	<0.013	<0.013	<0.013		
7/30/2015								<0.013	<0.013
8/12/2015		<0.0025							
8/13/2015			<0.0025						
3/1/2016	<0.005								
3/2/2016		<0.005							



# Time Series

Constituent: Lead (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
7/19/2017									
9/15/2017	8E-05 (J)								
9/18/2017			<0.005						
9/19/2017		<0.005						<0.005	<0.005
9/20/2017							0.0004 (J)		
9/21/2017				9E-05 (J)		0.0003 (J)			
9/22/2017					<0.005				
3/12/2018	<0.005		<0.005						
3/13/2018		<0.005							
3/14/2018				<0.005	<0.005	0.00035 (J)	<0.005	<0.005	<0.005
9/6/2018	<0.005								
9/7/2018			<0.005	<0.005		<0.005			
9/10/2018							<0.005	<0.005	<0.005
9/11/2018		<0.005			<0.005				
3/7/2019	<0.005		<0.005						
3/8/2019									
3/11/2019				<0.005					<0.005
3/12/2019		<0.005			<0.005	<0.005	<0.005	<0.005	

# Time Series

Constituent: Lead (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			<0.013	<0.013	
9/17/2014					
9/18/2014	<0.013	<0.013			
10/3/2014					
10/4/2014			<0.013	<0.013	
10/5/2014	<0.013	<0.013			
10/20/2014					
10/21/2014					
10/22/2014	<0.013	<0.013			
10/23/2014			<0.013	<0.013	
11/5/2014	<0.013	<0.013			
11/10/2014			<0.013	<0.013	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	<0.013	<0.013	<0.013	<0.013	
3/17/2015					
3/18/2015					
3/19/2015	<0.013				
3/20/2015		<0.013	<0.013	<0.013	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	<0.013	<0.013	<0.013		
4/9/2015				<0.013	
4/21/2015					
4/23/2015		<0.013	<0.013	<0.013	
4/24/2015	<0.013				
5/8/2015					<0.013
5/9/2015					
5/17/2015					<0.013
5/18/2015					
5/25/2015					<0.013
5/26/2015					
6/8/2015					<0.013
6/9/2015					
6/17/2015					
6/18/2015					<0.013
6/24/2015					<0.013
6/25/2015					
6/30/2015					<0.013
7/1/2015					
7/6/2015					<0.013
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.013	<0.013	<0.013	<0.013	
8/12/2015					<0.0025
8/13/2015					
3/1/2016					
3/2/2016					

# Time Series

Constituent: Lead (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/3/2016					
3/4/2016			<0.025		
3/7/2016	<0.025				
3/8/2016				<0.025	
3/9/2016		<0.025			
5/2/2016					
5/3/2016					
5/4/2016				<0.005	<0.005 (D)
5/5/2016	<0.005		<0.005		
5/6/2016		<0.005			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					0.0002 (JD)
7/11/2016					
7/12/2016			<0.005		
7/13/2016					
7/14/2016	<0.005				
7/15/2016		<0.005			
7/18/2016				0.0001 (J)	
9/7/2016					
9/8/2016					<0.005 (D)
9/9/2016					
9/12/2016	<0.005				
9/13/2016			<0.005	<0.005	
9/14/2016		<0.005			
9/15/2016					
10/25/2016					
10/26/2016					<0.005 (D)
10/27/2016	<0.005		<0.005	<0.005	
10/31/2016					
11/1/2016		<0.005			
11/2/2016					
1/5/2017					
1/6/2017					<0.005 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	0.0001 (J)		<0.005	<0.005	
1/25/2017		<0.005			
3/14/2017					
3/15/2017					<0.005 (D)
3/16/2017				0.0003 (J)	
3/20/2017	7E-05 (J)		0.0001 (J)		
3/21/2017					
3/22/2017		<0.005			
5/16/2017					
5/18/2017					<0.005 (D)
5/19/2017			<0.005	0.0001 (J)	
5/22/2017					
5/23/2017	<0.005				
5/24/2017		0.0001 (J)			

# Time Series

Constituent: Lead (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
7/19/2017					<0.005 (D)
9/15/2017					
9/18/2017					
9/19/2017	0.0001 (J)		0.0002 (J)	<0.005	<0.005 (D)
9/20/2017					
9/21/2017		<0.005			
9/22/2017					
3/12/2018					
3/13/2018	<0.005		<0.005	<0.005	<0.005
3/14/2018		<0.005			
9/6/2018					
9/7/2018	<0.005				<0.005
9/10/2018					
9/11/2018		<0.005	<0.005	<0.005	
3/7/2019					
3/8/2019			<0.005	0.00035 (J)	<0.005
3/11/2019	<0.005				
3/12/2019		<0.005			



# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	0.000172 (J)								
9/16/2014				2.69E-05 (J)					
9/17/2014					2.97E-05 (J)	3.5E-05 (J)	4.15E-05 (J)		
9/18/2014								5.34E-05 (J)	<0.0002
10/3/2014	<0.0002								
10/4/2014				<0.0002	<0.0002	<0.0002	<0.0002		
10/5/2014								<0.0002	<0.0002
10/20/2014	<0.0002								
10/21/2014				3.18E-05 (J)	5.02E-05 (J)	5.35E-05 (J)	5.89E-05 (J)		
10/22/2014								4.88E-05 (J)	2.57E-05 (J)
10/23/2014									
11/5/2014							7.28E-05 (J)	2.85E-05 (J)	<0.0002
11/10/2014	3.84E-05 (J)								
11/11/2014				<0.0002	3.66E-05 (J)	4.64E-05 (J)			
3/2/2015	<0.0001								
3/3/2015				<0.0001	<0.0001	<0.0001	<0.0001		
3/4/2015								<0.0001	<0.0001
3/17/2015	<0.0002								
3/18/2015				<0.0002	<0.0002	<0.0002			
3/19/2015							<0.0002	<0.0002	<0.0002
3/20/2015									
4/5/2015	<0.0002								
4/6/2015				<0.0002	<0.0002				
4/7/2015						<0.0002	<0.0002	<0.0002	
4/8/2015									<0.0002
4/9/2015									
4/21/2015	2.39E-05 (J)								
4/23/2015				<0.0002	<0.0002	<0.0002			
4/24/2015							<0.0002	<0.0002	<0.0002
5/8/2015		<0.0002							
5/9/2015			<0.0002						
5/17/2015		<0.0002							
5/18/2015			<0.0002						
5/25/2015		<0.0002							
5/26/2015			<0.0002						
6/8/2015		<0.0002							
6/9/2015			<0.0002						
6/17/2015			<0.0002						
6/18/2015		<0.0002							
6/24/2015		<0.0002							
6/25/2015			<0.0002						
6/30/2015		<0.0002							
7/1/2015			<0.0002						
7/6/2015		<0.0002							
7/7/2015			<0.0002						
7/28/2015	5.2E-05 (J)								
7/29/2015				<0.0002	<0.0002	<0.0002	<0.0002		
7/30/2015								<0.0002	<0.0002
8/12/2015		<0.0002							
8/13/2015			<0.0002						
3/1/2016	<0.0005								
3/2/2016		<0.0005							



# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
7/19/2017									
9/15/2017	<0.0005								
9/18/2017			<0.0005						
9/19/2017		<0.0005						<0.0005	<0.0005
9/20/2017							<0.0005		
9/21/2017				<0.0005		<0.0005			
9/22/2017					<0.0005				
3/12/2018	<0.0005		<0.0005						
3/13/2018		<0.0005							
3/14/2018				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/6/2018	<0.0005								
9/7/2018			<0.0005	<0.0005		<0.0005			
9/10/2018							<0.0005	<0.0005	<0.0005
9/11/2018		<0.0005			<0.0005				
3/7/2019	<0.0005		<0.0005						
3/8/2019									
3/11/2019				<0.0005					<0.0005
3/12/2019		<0.0005			<0.0005	<0.0005	<0.0005	<0.0005	

# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			2.81E-05 (J)	3.13E-05 (J)	
9/17/2014					
9/18/2014	2.54E-05 (J)	2.82E-05 (J)			
10/3/2014					
10/4/2014			<0.0002	<0.0002	
10/5/2014	<0.0002	<0.0002			
10/20/2014					
10/21/2014					
10/22/2014	2.83E-05 (J)	<0.0002			
10/23/2014			<0.0002	4.6E-05 (J)	
11/5/2014	0.0002	4.83E-05 (J)			
11/10/2014			5.15E-05 (J)	2.5E-05 (J)	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	<0.0001	<0.0001	<0.0001	<0.0001	
3/17/2015					
3/18/2015					
3/19/2015	<0.0002				
3/20/2015		<0.0002	<0.0002	<0.0002	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	<0.0002	<0.0002	<0.0002		
4/9/2015				<0.0002	
4/21/2015					
4/23/2015		<0.0002	<0.0002	<0.0002	
4/24/2015	<0.0002				
5/8/2015					<0.0002
5/9/2015					
5/17/2015					0.000101 (J)
5/18/2015					
5/25/2015					4.88E-05 (J)
5/26/2015					
6/8/2015					<0.0002
6/9/2015					
6/17/2015					
6/18/2015					4.1E-05 (J)
6/24/2015					8.41E-05 (J)
6/25/2015					
6/30/2015					<0.0002
7/1/2015					
7/6/2015					<0.0002
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.0002	<0.0002	<0.0002	<0.0002	
8/12/2015					4.91E-05 (J)
8/13/2015					
3/1/2016					
3/2/2016					

# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/3/2016					
3/4/2016			<0.05		
3/7/2016	<0.05				
3/8/2016				<0.05	
3/9/2016		<0.05			
5/2/2016					
5/3/2016					
5/4/2016				<0.0005	<0.0005 (D)
5/5/2016	<0.0005		<0.0005		
5/6/2016		<0.0005			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					<0.0005 (D)
7/11/2016					
7/12/2016			<0.0005		
7/13/2016					
7/14/2016	<0.0005				
7/15/2016		<0.0005			
7/18/2016				<0.0005	
9/7/2016					
9/8/2016					<0.0005 (D)
9/9/2016					
9/12/2016	<0.0005				
9/13/2016			<0.0005	<0.0005	
9/14/2016		<0.0005			
9/15/2016					
10/25/2016					
10/26/2016					<0.0005 (D)
10/27/2016	<0.0005		<0.0005	<0.0005	
10/31/2016					
11/1/2016		<0.0005			
11/2/2016					
1/5/2017					
1/6/2017					<0.0005 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	<0.0005		<0.0005	<0.0005	
1/25/2017		<0.0005			
3/14/2017					
3/15/2017					<0.0005 (D)
3/16/2017				<0.0005	
3/20/2017	<0.0005		<0.0005		
3/21/2017					
3/22/2017		<0.0005			
5/16/2017					
5/18/2017					<0.0005 (D)
5/19/2017			<0.0005	<0.0005	
5/22/2017					
5/23/2017	<0.0005				
5/24/2017		<0.0005			

# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
7/19/2017					<0.0005 (D)
9/15/2017					
9/18/2017					
9/19/2017	<0.0005		<0.0005	<0.0005	<0.0005 (D)
9/20/2017					
9/21/2017		<0.0005			
9/22/2017					
3/12/2018					
3/13/2018	<0.0005		<0.0005	<0.0005	<0.0005
3/14/2018		<0.0005			
9/6/2018					
9/7/2018	<0.0005				<0.0005
9/10/2018					
9/11/2018		<0.0005	<0.0005	<0.0005	
3/7/2019					
3/8/2019			<0.0005	<0.0005	<0.0005
3/11/2019	<0.0005				
3/12/2019		<0.0005			

# Time Series

Constituent: Nickel (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	0.01								
9/16/2014				0.03					
9/17/2014					<0.0025	<0.0025	<0.0025		
9/18/2014								<0.0025	<0.0025
10/3/2014	<0.0025								
10/4/2014				0.029	<0.0025	<0.0025	<0.0025		
10/5/2014								<0.0025	<0.0025
10/20/2014	0.0043								
10/21/2014				0.026	<0.0025	<0.0025	<0.0025		
10/22/2014								<0.0025	0.0013 (J)
10/23/2014									
11/5/2014							<0.0025	<0.0025	0.0013 (J)
11/10/2014	<0.0025								
11/11/2014				0.023	<0.0025	<0.0025			
3/2/2015	<0.0025								
3/3/2015				0.02	<0.0025	<0.0025	<0.0025		
3/4/2015								<0.0025	<0.0025
3/17/2015	<0.0025								
3/18/2015				0.019	<0.0025	<0.0025			
3/19/2015							<0.0025	<0.0025	<0.0025
3/20/2015									
4/5/2015	0.0016 (J)								
4/6/2015				0.02	<0.0025				
4/7/2015						<0.0025	<0.0025	<0.0025	
4/8/2015									0.0014 (J)
4/9/2015									
4/21/2015	0.0033								
4/23/2015				0.019	<0.0025	<0.0025			
4/24/2015							<0.0025	<0.0025	0.0014 (J)
5/8/2015		<0.0025							
5/9/2015			<0.0025						
5/17/2015		<0.0025							
5/18/2015			0.0018 (J)						
5/25/2015		<0.0025							
5/26/2015			<0.0025						
6/8/2015		<0.0025							
6/9/2015			0.0022 (J)						
6/17/2015			<0.0025						
6/18/2015		<0.0025							
6/24/2015		<0.0025							
6/25/2015			<0.0025						
6/30/2015		<0.0025							
7/1/2015			0.0016 (J)						
7/6/2015		<0.0025							
7/7/2015			<0.0025						
7/28/2015	0.0032								
7/29/2015				0.018	<0.0025	<0.0025	<0.0025		
7/30/2015								<0.0025	<0.0025
8/12/2015		<0.005							
8/13/2015			<0.005						
3/1/2016	<0.01								
3/2/2016		<0.01							

# Time Series

Constituent: Nickel (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
3/3/2016			<0.01	0.0111 (D)					
3/4/2016					<0.01				
3/7/2016						<0.01	<0.01		
3/8/2016								<0.01	0.0261
3/9/2016									
7/6/2016	0.0007 (J)								
7/7/2016									
7/11/2016		<0.01	0.0007 (J)						
7/12/2016									
7/13/2016				0.0133		<0.01			
7/14/2016					<0.01		<0.01	<0.01	
7/15/2016									0.0021 (J)
7/18/2016									
3/14/2017	0.0007 (J)								
3/15/2017									
3/16/2017		<0.01	0.0015 (J)						
3/20/2017				0.0111		<0.01			
3/21/2017					<0.01		<0.01 (*)		<0.01 (*)
3/22/2017								<0.01	
9/15/2017	<0.01								
9/18/2017			<0.01						
9/19/2017		<0.01						<0.01	0.0012 (J)
9/20/2017							0.0006 (J)		
9/21/2017				0.0092 (J)		<0.01			
9/22/2017					<0.01				
3/12/2018	<0.01		<0.01						
3/13/2018		<0.01							
3/14/2018				0.0094 (J)	<0.01	<0.01	<0.01	<0.01	0.0014 (J)
9/6/2018	<0.01								
9/7/2018			<0.01	0.0086 (J)		<0.01			
9/10/2018							<0.01	<0.01	0.002 (J)
9/11/2018		<0.01			<0.01				
3/7/2019	<0.01		<0.01						
3/8/2019									
3/11/2019				<0.01					<0.01
3/12/2019		<0.01			0.001 (U)	<0.01	<0.01	<0.01	



# Time Series

Constituent: Nickel (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			<0.0025	<0.0025	
9/17/2014					
9/18/2014	<0.0025	<0.0025			
10/3/2014					
10/4/2014			<0.0025	<0.0025	
10/5/2014	<0.0025	<0.0025			
10/20/2014					
10/21/2014					
10/22/2014	<0.0025	<0.0025			
10/23/2014			<0.0025	<0.0025	
11/5/2014	<0.0025	<0.0025			
11/10/2014			<0.0025	<0.0025	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	<0.0025	<0.0025	<0.0025	<0.0025	
3/17/2015					
3/18/2015					
3/19/2015	<0.0025				
3/20/2015		<0.0025	<0.0025	<0.0025	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	<0.0025	<0.0025	<0.0025		
4/9/2015				<0.0025	
4/21/2015					
4/23/2015		<0.0025	<0.0025	<0.0025	
4/24/2015	<0.0025				
5/8/2015					<0.0025
5/9/2015					
5/17/2015					0.0016 (J)
5/18/2015					
5/25/2015					<0.0025
5/26/2015					
6/8/2015					<0.0025
6/9/2015					
6/17/2015					
6/18/2015					<0.0025
6/24/2015					<0.0025
6/25/2015					
6/30/2015					<0.0025
7/1/2015					
7/6/2015					<0.0025
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.0025	<0.0025	<0.0025	<0.0025	
8/12/2015					<0.005
8/13/2015					
3/1/2016					
3/2/2016					

# Time Series

Constituent: Nickel (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/3/2016					
3/4/2016			<0.01		
3/7/2016	<0.01				
3/8/2016				<0.01	
3/9/2016		<0.0005			
7/6/2016					
7/7/2016					0.0008 (JD)
7/11/2016					
7/12/2016			<0.01		
7/13/2016					
7/14/2016	<0.01				
7/15/2016		<0.01			
7/18/2016				<0.01	
3/14/2017					
3/15/2017					<0.01 (D)
3/16/2017				0.0012 (J)	
3/20/2017	<0.01		0.0003 (J)		
3/21/2017					
3/22/2017		<0.01 (*)			
9/15/2017					
9/18/2017					
9/19/2017	0.0011 (J)		<0.01	<0.01	<0.01 (D)
9/20/2017					
9/21/2017		0.0012 (J)			
9/22/2017					
3/12/2018					
3/13/2018	<0.01		<0.01	<0.01	<0.01
3/14/2018		<0.01			
9/6/2018					
9/7/2018	<0.01				<0.01
9/10/2018					
9/11/2018		<0.01	<0.01	<0.01	
3/7/2019					
3/8/2019			<0.01	<0.01	<0.01
3/11/2019	<0.01				
3/12/2019		<0.01			

# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	<0.005								
9/16/2014				<0.005					
9/17/2014					<0.005	<0.005	<0.005		
9/18/2014								<0.005	<0.005
10/3/2014	<0.005								
10/4/2014				<0.005	<0.005	<0.005	<0.005		
10/5/2014								<0.005	<0.005
10/20/2014	<0.005								
10/21/2014				<0.005	<0.005	<0.005	<0.005		
10/22/2014								<0.005	<0.005
10/23/2014									
11/5/2014							<0.005	<0.005	<0.005
11/10/2014	<0.005								
11/11/2014				<0.005	<0.005	<0.005			
3/2/2015	<0.005								
3/3/2015				<0.005	<0.005	<0.005	<0.005		
3/4/2015								<0.005	<0.005
3/17/2015	<0.005								
3/18/2015				<0.005	<0.005	<0.005			
3/19/2015							<0.005	<0.005	<0.005
3/20/2015									
4/5/2015	<0.005								
4/6/2015				<0.005	<0.005				
4/7/2015						<0.005	<0.005	<0.005	
4/8/2015									<0.005
4/9/2015									
4/21/2015	<0.005								
4/23/2015				<0.005	<0.005	<0.005			
4/24/2015							<0.005	<0.005	<0.005
5/8/2015		<0.005							
5/9/2015			<0.005						
5/17/2015		<0.005							
5/18/2015			<0.005						
5/25/2015		<0.005							
5/26/2015			<0.005						
6/8/2015		<0.005							
6/9/2015			<0.005						
6/17/2015			<0.005						
6/18/2015		<0.005							
6/24/2015		<0.005							
6/25/2015			<0.005						
6/30/2015		<0.005							
7/1/2015			<0.005						
7/6/2015		<0.005							
7/7/2015			<0.005						
7/28/2015	<0.005								
7/29/2015				<0.005	<0.005	<0.005	<0.005		
7/30/2015								<0.005	<0.005
8/12/2015		<0.005							
8/13/2015			<0.005						
3/1/2016	<0.01								
3/2/2016		<0.01							



# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
7/19/2017									
9/15/2017	<0.01								
9/18/2017			<0.01						
9/19/2017		<0.01						<0.01	<0.01
9/20/2017							<0.01		
9/21/2017				<0.01		<0.01			
9/22/2017					<0.01				
3/12/2018	<0.01		<0.01						
3/13/2018		<0.01							
3/14/2018				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2018	<0.01								
9/7/2018			<0.01	<0.01		<0.01			
9/10/2018							<0.01	<0.01	<0.01
9/11/2018		<0.01			<0.01				
3/7/2019	<0.01		0.0016 (J)						
3/8/2019									
3/11/2019				<0.01					<0.01
3/12/2019		<0.01			<0.01	<0.01	<0.01	<0.01	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			<0.005	<0.005	
9/17/2014					
9/18/2014	<0.005	<0.005			
10/3/2014					
10/4/2014			<0.005	<0.005	
10/5/2014	<0.005	<0.005			
10/20/2014					
10/21/2014					
10/22/2014	<0.005	<0.005			
10/23/2014			<0.005	<0.005	
11/5/2014	<0.005	<0.005			
11/10/2014			<0.005	<0.005	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	<0.005	<0.005	<0.005	<0.005	
3/17/2015					
3/18/2015					
3/19/2015	<0.005				
3/20/2015		<0.005	<0.005	<0.005	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	<0.005	<0.005	<0.005		
4/9/2015				<0.005	
4/21/2015					
4/23/2015		<0.005	<0.005	<0.005	
4/24/2015	<0.005				
5/8/2015					<0.005
5/9/2015					
5/17/2015					<0.005
5/18/2015					
5/25/2015					<0.005
5/26/2015					
6/8/2015					<0.005
6/9/2015					
6/17/2015					
6/18/2015					<0.005
6/24/2015					<0.005
6/25/2015					
6/30/2015					<0.005
7/1/2015					
7/6/2015					<0.005
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.005	<0.005	<0.005	<0.005	
8/12/2015					<0.005
8/13/2015					
3/1/2016					
3/2/2016					

# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/3/2016					
3/4/2016			<0.01		
3/7/2016	<0.01				
3/8/2016				<0.01	
3/9/2016		<0.01			
5/2/2016					
5/3/2016					
5/4/2016				<0.01	0.00982 (JD)
5/5/2016	<0.01		<0.01		
5/6/2016		<0.01			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					0.01 (D)
7/11/2016					
7/12/2016			<0.01		
7/13/2016					
7/14/2016	<0.01				
7/15/2016		<0.01			
7/18/2016				<0.01	
9/7/2016					
9/8/2016					0.0046 (JD)
9/9/2016					
9/12/2016	<0.01				
9/13/2016			<0.01	<0.01	
9/14/2016		<0.01			
9/15/2016					
10/25/2016					
10/26/2016					0.0071 (JD)
10/27/2016	<0.01		<0.01	<0.01	
10/31/2016					
11/1/2016		<0.01			
11/2/2016					
1/5/2017					
1/6/2017					0.0099 (JD)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	<0.01		<0.01	<0.01	
1/25/2017		<0.01			
3/14/2017					
3/15/2017					0.0056 (JD)
3/16/2017				<0.01	
3/20/2017	<0.01		<0.01		
3/21/2017					
3/22/2017		<0.01			
5/16/2017					
5/18/2017					0.0064 (JD)
5/19/2017			<0.01	<0.01	
5/22/2017					
5/23/2017	<0.01				
5/24/2017		<0.01			

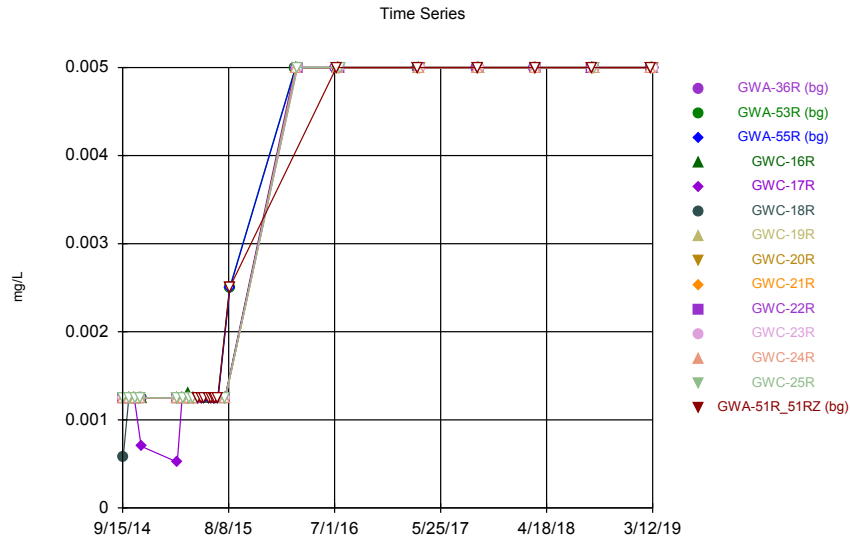
# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

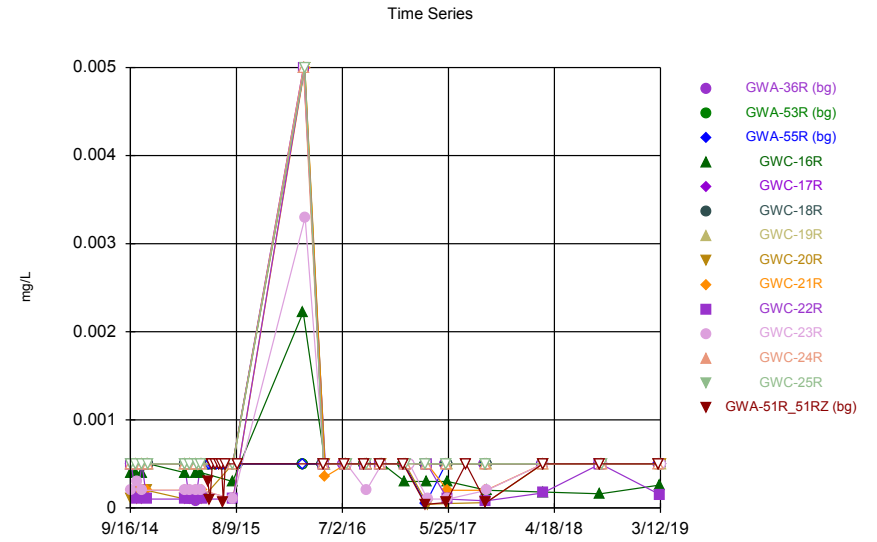
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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
7/19/2017					<0.01 (D)
9/15/2017					
9/18/2017					
9/19/2017	<0.01		<0.01	<0.01	0.0029 (JD)
9/20/2017					
9/21/2017		<0.01			
9/22/2017					
3/12/2018					
3/13/2018	<0.01		<0.01	<0.01	0.005 (J)
3/14/2018		<0.01			
9/6/2018					
9/7/2018	<0.01				0.01
9/10/2018					
9/11/2018		<0.01	<0.01	<0.01	
3/7/2019					
3/8/2019			<0.01	<0.01	0.0052 (J)
3/11/2019	<0.01				
3/12/2019		<0.01			

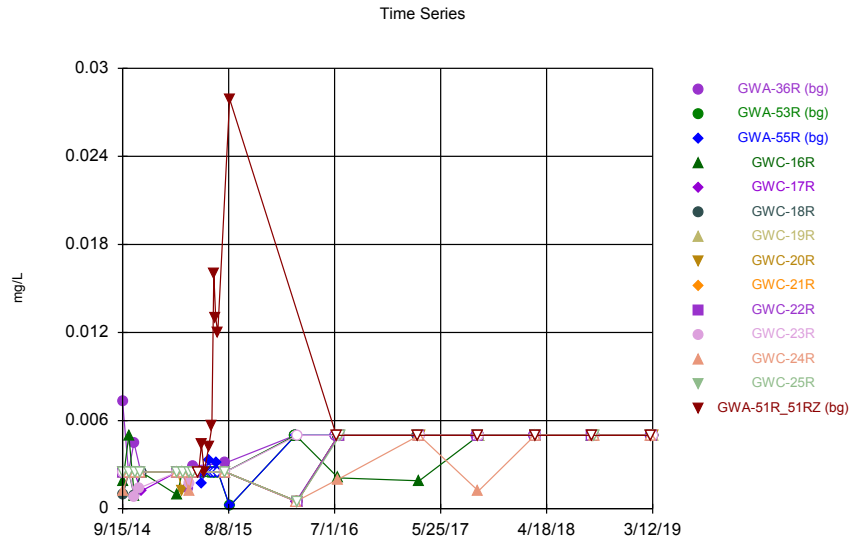




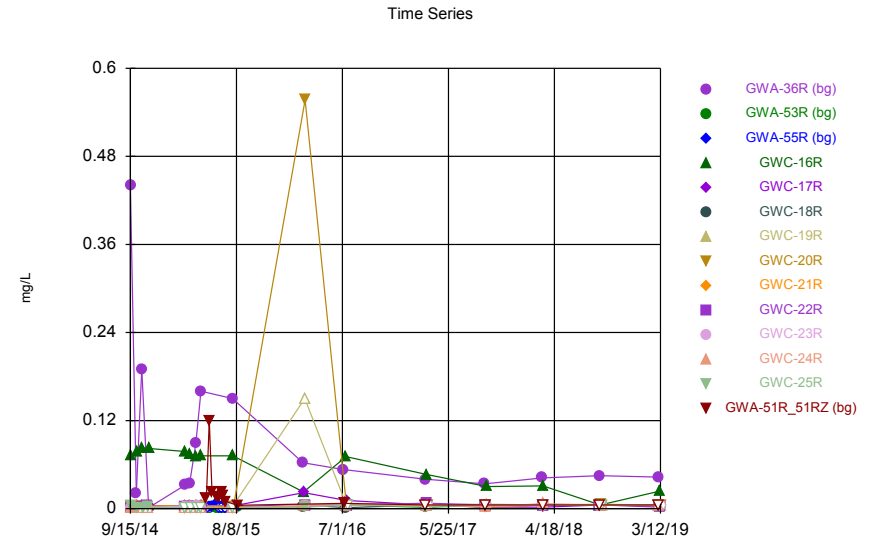
Constituent: Silver Analysis Run 5/1/2019 2:51 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR



Constituent: Thallium Analysis Run 5/1/2019 2:51 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR



Constituent: Vanadium Analysis Run 5/1/2019 2:51 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR



Constituent: Zinc Analysis Run 5/1/2019 2:51 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

# Time Series

Constituent: Silver (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	<0.0025								
9/16/2014				<0.0025					
9/17/2014					<0.0025	0.00058 (J)	<0.0025		
9/18/2014								<0.0025	<0.0025
10/3/2014	<0.0025								
10/4/2014				<0.0025	<0.0025	<0.0025	<0.0025		
10/5/2014								<0.0025	<0.0025
10/20/2014	<0.0025								
10/21/2014				<0.0025	<0.0025	<0.0025	<0.0025		
10/22/2014								<0.0025	<0.0025
10/23/2014									
11/5/2014							<0.0025	<0.0025	<0.0025
11/10/2014	<0.0025								
11/11/2014				<0.0025	0.0007 (J)	<0.0025			
3/2/2015	<0.0025								
3/3/2015				<0.0025	0.00052 (J)	<0.0025	<0.0025		
3/4/2015								<0.0025	<0.0025
3/17/2015	<0.0025								
3/18/2015				<0.0025	<0.0025	<0.0025			
3/19/2015							<0.0025	<0.0025	<0.0025
3/20/2015									
4/5/2015	<0.0025								
4/6/2015				0.0013 (J)	<0.0025				
4/7/2015						<0.0025	<0.0025	<0.0025	
4/8/2015									<0.0025
4/9/2015									
4/21/2015	<0.0025								
4/23/2015				<0.0025	<0.0025	<0.0025			
4/24/2015							<0.0025	<0.0025	<0.0025
5/8/2015		<0.0025							
5/9/2015			<0.0025						
5/17/2015		<0.0025							
5/18/2015			<0.0025						
5/25/2015		<0.0025							
5/26/2015			<0.0025						
6/8/2015		<0.0025							
6/9/2015			<0.0025						
6/17/2015			<0.0025						
6/18/2015		<0.0025							
6/24/2015		<0.0025							
6/25/2015			<0.0025						
6/30/2015		<0.0025							
7/1/2015			<0.0025						
7/6/2015		<0.0025							
7/7/2015			<0.0025						
7/28/2015	<0.0025								
7/29/2015				<0.0025	<0.0025	<0.0025	<0.0025		
7/30/2015								<0.0025	<0.0025
8/12/2015		<0.005							
8/13/2015			<0.005						
3/1/2016	<0.01								
3/2/2016		<0.01							

# Time Series

Constituent: Silver (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
3/3/2016			<0.01	<0.01 (D)					
3/4/2016					<0.01				
3/7/2016						<0.01	<0.01		
3/8/2016								<0.01	<0.01
3/9/2016									
7/6/2016	<0.01								
7/7/2016									
7/11/2016		<0.01	<0.01						
7/12/2016									
7/13/2016				<0.01		<0.01			
7/14/2016					<0.01		<0.01	<0.01	
7/15/2016									<0.01
7/18/2016									
3/14/2017	<0.01								
3/15/2017									
3/16/2017		<0.01	<0.01						
3/20/2017				<0.01		<0.01			
3/21/2017					<0.01		<0.01		<0.01
3/22/2017								<0.01	
9/15/2017	<0.01								
9/18/2017			<0.01						
9/19/2017		<0.01						<0.01	<0.01
9/20/2017							<0.01		
9/21/2017				<0.01		<0.01			
9/22/2017					<0.01				
3/12/2018	<0.01		<0.01						
3/13/2018		<0.01							
3/14/2018				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2018	<0.01								
9/7/2018			<0.01	<0.01		<0.01			
9/10/2018							<0.01	<0.01	<0.01
9/11/2018		<0.01			<0.01				
3/7/2019	<0.01		<0.01						
3/8/2019									
3/11/2019				<0.01					<0.01
3/12/2019		<0.01			<0.01	<0.01	<0.01	<0.01	

# Time Series

Constituent: Silver (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			<0.0025	<0.0025	
9/17/2014					
9/18/2014	<0.0025	<0.0025			
10/3/2014					
10/4/2014			<0.0025	<0.0025	
10/5/2014	<0.0025	<0.0025			
10/20/2014					
10/21/2014					
10/22/2014	<0.0025	<0.0025			
10/23/2014			<0.0025	<0.0025	
11/5/2014	<0.0025	<0.0025			
11/10/2014			<0.0025	<0.0025	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	<0.0025	<0.0025	<0.0025	<0.0025	
3/17/2015					
3/18/2015					
3/19/2015	<0.0025				
3/20/2015		<0.0025	<0.0025	<0.0025	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	<0.0025	<0.0025	<0.0025		
4/9/2015				<0.0025	
4/21/2015					
4/23/2015		<0.0025	<0.0025	<0.0025	
4/24/2015	<0.0025				
5/8/2015					<0.0025
5/9/2015					
5/17/2015					<0.0025
5/18/2015					
5/25/2015					<0.0025
5/26/2015					
6/8/2015					<0.0025
6/9/2015					
6/17/2015					
6/18/2015					<0.0025
6/24/2015					<0.0025
6/25/2015					
6/30/2015					<0.0025
7/1/2015					
7/6/2015					<0.0025
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.0025	<0.0025	<0.0025	<0.0025	
8/12/2015					<0.005
8/13/2015					
3/1/2016					
3/2/2016					

# Time Series

Constituent: Silver (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/3/2016					
3/4/2016			<0.01		
3/7/2016	<0.01				
3/8/2016				<0.01	
3/9/2016		<0.01			
7/6/2016					
7/7/2016					<0.01 (D)
7/11/2016					
7/12/2016			<0.01		
7/13/2016					
7/14/2016	<0.01				
7/15/2016		<0.01			
7/18/2016				<0.01	
3/14/2017					
3/15/2017					<0.01 (D)
3/16/2017				<0.01	
3/20/2017	<0.01		<0.01		
3/21/2017					
3/22/2017		<0.01			
9/15/2017					
9/18/2017					
9/19/2017	<0.01		<0.01	<0.01	<0.01 (D)
9/20/2017					
9/21/2017		<0.01			
9/22/2017					
3/12/2018					
3/13/2018	<0.01		<0.01	<0.01	<0.01
3/14/2018		<0.01			
9/6/2018					
9/7/2018	<0.01				<0.01
9/10/2018					
9/11/2018		<0.01	<0.01	<0.01	
3/7/2019					
3/8/2019			<0.01	<0.01	<0.01
3/11/2019	<0.01				
3/12/2019		<0.01			



# Time Series

Constituent: Thallium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
5/2/2016	<0.001								
5/3/2016		<0.001	<0.001						
5/4/2016									
5/5/2016						<0.001			
5/6/2016									
5/9/2016							<0.001	<0.001	0.000353 (J)
5/10/2016				<0.001	<0.001				
7/6/2016	<0.001								
7/7/2016									
7/11/2016		<0.001	<0.001						
7/12/2016									
7/13/2016				<0.001 (*)		<0.001			
7/14/2016					<0.001 (*)		<0.001	<0.001 (*)	
7/15/2016									<0.001 (*)
7/18/2016									
9/7/2016	<0.001	<0.001							
9/8/2016									
9/9/2016			<0.001						<0.001
9/12/2016						<0.001	<0.001	<0.001	
9/13/2016									
9/14/2016					<0.001				
9/15/2016				<0.001					
10/25/2016	<0.001								
10/26/2016									
10/27/2016		<0.001	<0.001						<0.001
10/31/2016							<0.001	<0.001	
11/1/2016					<0.001	<0.001			
11/2/2016				<0.001					
1/5/2017	<0.001								
1/6/2017		<0.001							
1/9/2017			<0.001						
1/11/2017				0.0003 (J)	<0.001	<0.001	<0.001		
1/12/2017								<0.001	<0.001
1/13/2017									
1/25/2017									
3/14/2017	<0.001								
3/15/2017									
3/16/2017		<0.001	5E-05 (J)						
3/20/2017				0.0003 (J)		<0.001			
3/21/2017					<0.001		<0.001		<0.001 (*)
3/22/2017								4E-05 (J)	
5/16/2017	<0.001								
5/18/2017			<0.001						
5/19/2017		<0.001							
5/22/2017						<0.001	<0.001	5E-05 (J)	
5/23/2017				0.0003 (J)	<0.001				0.0002 (J)
5/24/2017									
7/19/2017									
9/15/2017	<0.001								
9/18/2017			<0.001						
9/19/2017		<0.001						6E-05 (J)	0.0002 (J)
9/20/2017							<0.001		

# Time Series

Constituent: Thallium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/21/2017				0.0002 (J)		<0.001			
9/22/2017					<0.001				
3/12/2018	<0.001		<0.001						
3/13/2018		<0.001							
3/14/2018				0.00018 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
9/6/2018	<0.001								
9/7/2018			<0.001	0.00016 (J)		<0.001			
9/10/2018							<0.001	<0.001	<0.001
9/11/2018		<0.001			<0.001				
3/7/2019	<0.001		<0.001						
3/8/2019									
3/11/2019				0.00026 (J)					<0.001
3/12/2019		<0.001			<0.001	<0.001	<0.001	<0.001	



# Time Series

Constituent: Thallium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/16/2014			<0.001	<0.001	
9/17/2014					
9/18/2014	<0.001	0.0002 (J)			
10/3/2014					
10/4/2014			<0.001	<0.001	
10/5/2014	0.0001 (J)	0.0003 (J)			
10/20/2014					
10/21/2014					
10/22/2014	<0.001	0.0002 (J)			
10/23/2014			<0.001	<0.001	
11/5/2014	0.0001 (J)				
11/10/2014			<0.001	<0.001	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	0.0001 (J)	0.0002 (J)	<0.001	<0.001	
3/17/2015					
3/18/2015					
3/19/2015	0.0001 (J)				
3/20/2015		0.0002 (J)	<0.001	<0.001	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	0.0001 (J)	0.0002 (J)	<0.001		
4/9/2015				<0.001	
4/21/2015					
4/23/2015		0.0002 (J)	<0.001	<0.001	
4/24/2015	0.0001 (J)				
5/13/2015					0.0003 (J)
5/20/2015					9E-05 (J)
5/27/2015					<0.001
6/8/2015					<0.001
6/9/2015					
6/17/2015					
6/18/2015					<0.001
6/24/2015					<0.001
6/30/2015					6E-05 (J)
7/1/2015					
7/6/2015					<0.001
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	0.0001 (J)	0.0001 (J)	<0.001	<0.001	
8/12/2015					<0.001
8/13/2015					
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016			<0.01		
3/7/2016	<0.01				
3/8/2016				<0.01	
3/9/2016		0.0033 (J)			

# Time Series

Constituent: Thallium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
5/2/2016					
5/3/2016					
5/4/2016				<0.001	<0.001 (D)
5/5/2016	<0.001		<0.001		
5/6/2016		<0.001			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					<0.001 (D)
7/11/2016					
7/12/2016			<0.001 (*)		
7/13/2016					
7/14/2016	<0.001 (*)				
7/15/2016		<0.001 (*)			
7/18/2016				<0.001	
9/7/2016					
9/8/2016					<0.001 (D)
9/9/2016					
9/12/2016	<0.001				
9/13/2016			<0.001	<0.001	
9/14/2016		0.0002 (J)			
9/15/2016					
10/25/2016					
10/26/2016					<0.001 (D)
10/27/2016	<0.001		<0.001	<0.001	
10/31/2016					
11/1/2016		<0.001			
11/2/2016					
1/5/2017					
1/6/2017					<0.001 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	<0.001		<0.001	<0.001	
1/25/2017		<0.001			
3/14/2017					
3/15/2017					4E-05 (JD)
3/16/2017				<0.001	
3/20/2017	<0.001 (*)		<0.001 (*)		
3/21/2017					
3/22/2017		0.0001 (J)			
5/16/2017					
5/18/2017					6E-05 (JD)
5/19/2017			<0.001	<0.001	
5/22/2017					
5/23/2017	0.0001 (J)				
5/24/2017		0.0001 (J)			
7/19/2017					<0.001 (D)
9/15/2017					
9/18/2017					
9/19/2017	8E-05 (J)		<0.001	<0.001	6E-05 (JD)
9/20/2017					

# Time Series

Constituent: Thallium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/21/2017		0.0002 (J)			
9/22/2017					
3/12/2018					
3/13/2018	0.00017 (J)		<0.001	<0.001	<0.001
3/14/2018		<0.001			
9/6/2018					
9/7/2018	<0.001				<0.001
9/10/2018					
9/11/2018		<0.001	<0.001	<0.001	
3/7/2019					
3/8/2019			<0.001	<0.001	<0.001
3/11/2019	0.00015 (J)				
3/12/2019		<0.001			

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	0.0073								
9/16/2014				0.0019 (J)					
9/17/2014					<0.005	0.001 (J)	<0.005		
9/18/2014								<0.005	<0.005
10/3/2014	<0.005								
10/4/2014				0.005	<0.005	<0.005	<0.005		
10/5/2014								<0.005	<0.005
10/20/2014	0.0045 (J)								
10/21/2014				0.00089 (J)	<0.005	0.00084 (J)	<0.005		
10/22/2014								<0.005	<0.005
10/23/2014									
11/5/2014							<0.005	<0.005	<0.005
11/10/2014	<0.005								
11/11/2014				<0.005	0.0012 (J)	<0.005			
3/2/2015	<0.005								
3/3/2015				0.00093 (J)	<0.005	<0.005	<0.005		
3/4/2015								<0.005	<0.005
3/17/2015	<0.005								
3/18/2015				<0.005	<0.005	<0.005			
3/19/2015							<0.005	0.0012 (J)	<0.005
3/20/2015									
4/5/2015	0.0014 (J)								
4/6/2015				<0.005	<0.005				
4/7/2015						<0.005	<0.005	<0.005	
4/8/2015									<0.005
4/9/2015									
4/21/2015	0.0029 (J)								
4/23/2015				<0.005	<0.005	<0.005			
4/24/2015							<0.005	<0.005	<0.005
5/8/2015		<0.005							
5/9/2015			<0.005						
5/17/2015		<0.005							
5/18/2015			0.0017 (J)						
5/25/2015		<0.005							
5/26/2015			<0.005						
6/8/2015		<0.005							
6/9/2015			0.0033 (J)						
6/17/2015			<0.005						
6/18/2015		<0.005							
6/24/2015		<0.005							
6/25/2015			<0.005						
6/30/2015		<0.005							
7/1/2015			0.0031 (J)						
7/6/2015		<0.005							
7/7/2015			<0.005						
7/28/2015	0.0031 (J)								
7/29/2015				<0.005	<0.005	<0.005	<0.005		
7/30/2015								<0.005	<0.005
8/12/2015		0.000172 (J)	0.000187 (J)						
3/1/2016	<0.01								
3/2/2016		<0.01							
3/3/2016			<0.01	<0.01 (D)					

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
3/4/2016					<0.001				
3/7/2016						<0.001	<0.001		
3/8/2016								<0.001	<0.001
3/9/2016									
7/6/2016	<0.01								
7/7/2016									
7/11/2016		<0.01	<0.01						
7/12/2016									
7/13/2016				0.0021 (J)		<0.01			
7/14/2016					<0.01		<0.01	<0.01	
7/15/2016									<0.01
7/18/2016									
3/14/2017	<0.01								
3/15/2017									
3/16/2017		<0.01	<0.01						
3/20/2017				0.0019 (J)		<0.01			
3/21/2017					<0.01		<0.01		<0.01
3/22/2017								<0.01	
9/15/2017	<0.01								
9/18/2017			<0.01						
9/19/2017		<0.01						<0.01	<0.01
9/20/2017							<0.01		
9/21/2017				<0.01		<0.01			
9/22/2017					<0.01				
3/12/2018	<0.01		<0.01						
3/13/2018		<0.01							
3/14/2018				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2018	<0.01								
9/7/2018			<0.01	<0.01		<0.01			
9/10/2018							<0.01	<0.01	<0.01
9/11/2018		<0.01			<0.01				
3/7/2019	<0.01		<0.01						
3/8/2019									
3/11/2019				<0.01					<0.01
3/12/2019		<0.01			<0.01	<0.01	<0.01	<0.01	

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			0.0012 (J)	<0.005	
9/17/2014					
9/18/2014	<0.005	<0.005			
10/3/2014					
10/4/2014			<0.005	<0.005	
10/5/2014	<0.005	<0.005			
10/20/2014					
10/21/2014					
10/22/2014	<0.005	0.00083 (J)			
10/23/2014			<0.005	<0.005	
11/5/2014	<0.005	0.0014 (J)			
11/10/2014			<0.005	<0.005	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	<0.005	<0.005	<0.005	<0.005	
3/17/2015					
3/18/2015					
3/19/2015	<0.005				
3/20/2015		<0.005	<0.005	<0.005	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	<0.005	0.0017 (J)	0.0012 (J)		
4/9/2015				<0.005	
4/21/2015					
4/23/2015		<0.005	<0.005	<0.005	
4/24/2015	<0.005				
5/8/2015					<0.005
5/9/2015					
5/17/2015					0.0044 (J)
5/18/2015					
5/25/2015					0.0025 (J)
5/26/2015					
6/8/2015					0.0042 (J)
6/9/2015					
6/17/2015					
6/18/2015					0.0056
6/24/2015					0.016
6/25/2015					
6/30/2015					0.013
7/1/2015					
7/6/2015					0.012
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.005	<0.005	<0.005	<0.005	
8/12/2015					0.0279 (J)
3/1/2016					
3/2/2016					
3/3/2016					

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/4/2016			<0.001		
3/7/2016	<0.001				
3/8/2016				<0.001	
3/9/2016		<0.01			
7/6/2016					
7/7/2016					<0.01 (D)
7/11/2016					
7/12/2016			0.002 (J)		
7/13/2016					
7/14/2016	<0.01				
7/15/2016		<0.01			
7/18/2016				<0.01	
3/14/2017					
3/15/2017					<0.01 (D)
3/16/2017				<0.01	
3/20/2017	<0.01		<0.01		
3/21/2017					
3/22/2017		<0.01			
9/15/2017					
9/18/2017					
9/19/2017	<0.01		0.0012 (J)	<0.01	<0.01 (D)
9/20/2017					
9/21/2017		<0.01			
9/22/2017					
3/12/2018					
3/13/2018	<0.01		<0.01	<0.01	<0.01
3/14/2018		<0.01			
9/6/2018					
9/7/2018	<0.01				<0.01
9/10/2018					
9/11/2018		<0.01	<0.01	<0.01	
3/7/2019					
3/8/2019			<0.01	<0.01	<0.01
3/11/2019	<0.01				
3/12/2019		<0.01			

# Time Series

Constituent: Zinc (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
9/15/2014	0.44								
9/16/2014				0.072					
9/17/2014						0.002 (J)	0.0026		
9/18/2014								0.0023 (J)	0.0033
10/3/2014	0.021								
10/4/2014				0.078	0.0038	0.001 (J)	0.0034		
10/5/2014								0.0025	0.0036
10/20/2014	0.19								
10/21/2014				0.083	0.0043	0.00082 (J)	0.0037		
10/22/2014								0.0018 (J)	0.0038
10/23/2014									
11/5/2014							0.0035	0.0019 (J)	0.0046
11/10/2014	0.0014 (J)								
11/11/2014				0.082	0.0041	0.00076 (J)			
3/2/2015	0.032								
3/3/2015				0.078	0.0042	<0.0025	0.0036		
3/4/2015								0.0016 (J)	0.0029
3/17/2015	0.034								
3/18/2015				0.075	0.0046	0.0016 (J)			
3/19/2015							0.0035	0.0025	0.0027
3/20/2015									
4/5/2015	0.089								
4/6/2015				0.071	0.0043				
4/7/2015						<0.0025	0.0039	0.0026	
4/8/2015									0.0039
4/9/2015									
4/21/2015	0.16								
4/23/2015				0.072	0.0047	<0.0025			
4/24/2015							0.0034	0.0017 (J)	0.0035
5/8/2015		0.0022 (J)							
5/9/2015			<0.0025						
5/17/2015		<0.0025							
5/18/2015			0.0033						
5/25/2015		0.0022 (J)							
5/26/2015			0.0022 (J)						
6/8/2015		0.0015 (J)							
6/9/2015			0.0082						
6/17/2015			<0.0025						
6/18/2015		0.0026							
6/24/2015		0.0015 (J)							
6/25/2015			<0.0025						
6/30/2015		0.0015 (J)							
7/1/2015			0.0064						
7/6/2015		<0.0025							
7/7/2015			<0.0025						
7/28/2015	0.15								
7/29/2015				0.072	0.0039	<0.0025	0.0038		
7/30/2015								0.0017 (J)	0.0027
8/12/2015		0.0031 (BJ)							
8/13/2015			0.0028 (BJ)						
3/1/2016	0.0627								
3/2/2016		0.0028 (J)							



# Time Series

Constituent: Zinc (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
3/3/2016			<0.01	0.0227 (D)					
3/4/2016					0.0219 (J)				
3/7/2016						<0.01	<0.3		
3/8/2016								0.557 (J)	0.00273 (J)
3/9/2016									
7/6/2016	0.0532								
7/7/2016									
7/11/2016		<0.01	<0.01						
7/12/2016									
7/13/2016				0.0709		0.0013 (J)			
7/14/2016					0.0111		<0.01	<0.01 (*)	
7/15/2016									<0.01 (*)
7/18/2016									
3/14/2017	0.0401								
3/15/2017									
3/16/2017		0.0018 (J)	0.0054 (J)						
3/20/2017				0.0465		<0.01			
3/21/2017					<0.01 (*)		<0.01 (*)		<0.01 (*)
3/22/2017								<0.01	
9/15/2017	0.0338								
9/18/2017			<0.01						
9/19/2017		<0.01						0.0031 (J)	0.0022 (J)
9/20/2017							0.0062 (J)		
9/21/2017				0.0302		0.0018 (J)			
9/22/2017					0.0023 (J)				
3/12/2018	0.042		<0.01						
3/13/2018		<0.01							
3/14/2018				0.031	0.0021 (J)	<0.01	<0.01	<0.01	0.0049 (J)
9/6/2018	0.045								
9/7/2018			<0.01	<0.01		<0.01			
9/10/2018							<0.01	<0.012	<0.01
9/11/2018		<0.01			<0.01				
3/7/2019	0.043		<0.01						
3/8/2019									
3/11/2019				0.024					0.0034 (J)
3/12/2019		<0.01			0.0038 (J)	<0.01	<0.01	<0.01	

# Time Series

Constituent: Zinc (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

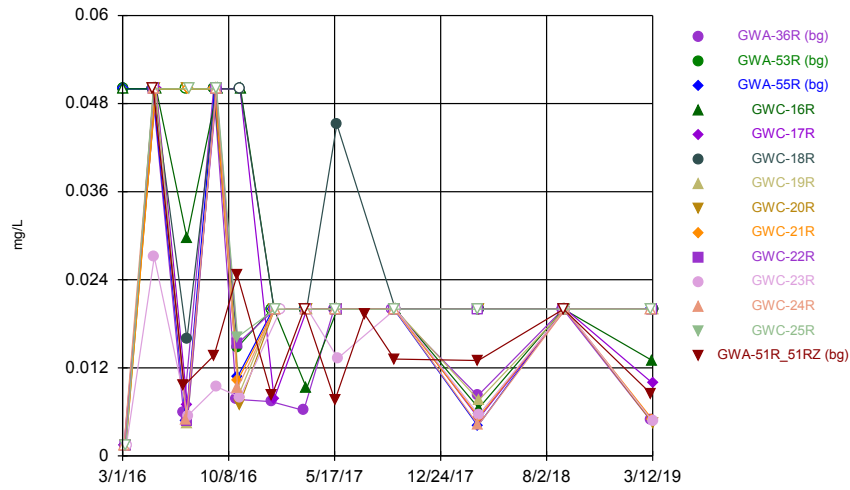
	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
9/15/2014					
9/16/2014			0.00054 (J)	0.004	
9/17/2014					
9/18/2014	0.00089 (J)	0.0013 (J)			
10/3/2014					
10/4/2014			0.0008 (J)	0.0011 (J)	
10/5/2014	0.0016 (J)	0.00085 (J)			
10/20/2014					
10/21/2014					
10/22/2014	0.0017 (J)	0.0014 (J)			
10/23/2014			<0.0025	0.0011 (J)	
11/5/2014	0.0038	0.0022 (J)			
11/10/2014			<0.0025	0.0028	
11/11/2014					
3/2/2015					
3/3/2015					
3/4/2015	0.002 (J)	0.0033	<0.0025	<0.0025	
3/17/2015					
3/18/2015					
3/19/2015	0.0025				
3/20/2015		0.002 (J)	<0.0025	<0.0025	
4/5/2015					
4/6/2015					
4/7/2015					
4/8/2015	0.0018 (J)	0.004	0.0016 (J)		
4/9/2015				<0.0025	
4/21/2015					
4/23/2015		0.002 (J)	<0.0025	<0.0025	
4/24/2015	0.0016 (J)				
5/8/2015					0.015
5/9/2015					
5/17/2015					0.12
5/18/2015					
5/25/2015					0.023
5/26/2015					
6/8/2015					0.016
6/9/2015					
6/17/2015					
6/18/2015					0.016
6/24/2015					0.022
6/25/2015					
6/30/2015					0.017
7/1/2015					
7/6/2015					0.01
7/7/2015					
7/28/2015					
7/29/2015					
7/30/2015	<0.0025	<0.0025	<0.0025	<0.0025	
8/12/2015					0.0047 (BJ)
8/13/2015					
3/1/2016					
3/2/2016					

# Time Series

Constituent: Zinc (mg/L) Analysis Run 5/1/2019 2:52 PM View: cell 3&4 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

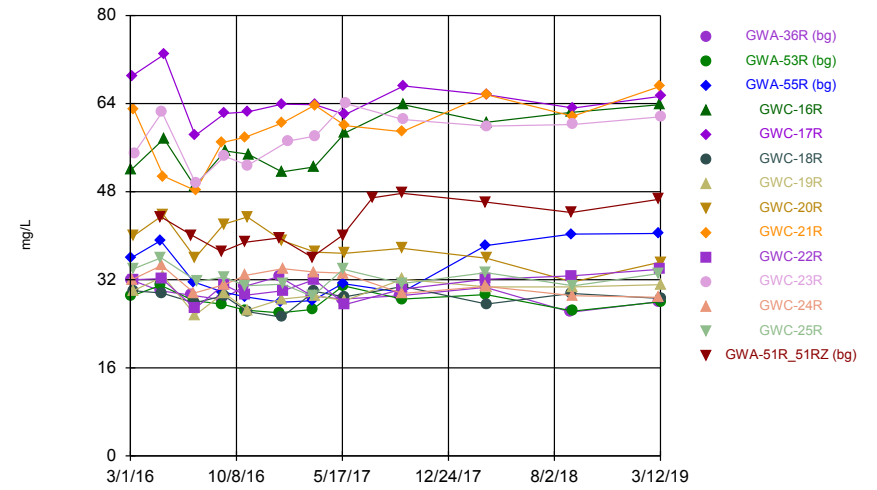
	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/3/2016					
3/4/2016			0.00374 (J)		
3/7/2016	<0.01				
3/8/2016				0.00198 (J)	
3/9/2016		<0.01			
7/6/2016					
7/7/2016					0.0073 (JD)
7/11/2016					
7/12/2016			<0.01		
7/13/2016					
7/14/2016	<0.01				
7/15/2016		<0.01 (*)			
7/18/2016				<0.01 (*)	
3/14/2017					
3/15/2017					<0.01 (D)
3/16/2017				0.0026 (J)	
3/20/2017	0.0075 (J)		<0.01		
3/21/2017					
3/22/2017		<0.01 (*)			
9/15/2017					
9/18/2017					
9/19/2017	<0.01		0.0028 (J)	<0.01	<0.01 (D)
9/20/2017					
9/21/2017		0.0034 (J)			
9/22/2017					
3/12/2018					
3/13/2018	<0.01		0.0068 (J)	<0.01	<0.01
3/14/2018		<0.01			
9/6/2018					
9/7/2018	<0.01				<0.01
9/10/2018					
9/11/2018		<0.01	<0.01	<0.01	
3/7/2019					
3/8/2019			<0.01	<0.01	<0.01
3/11/2019	0.0021 (J)				
3/12/2019		<0.01			

Time Series



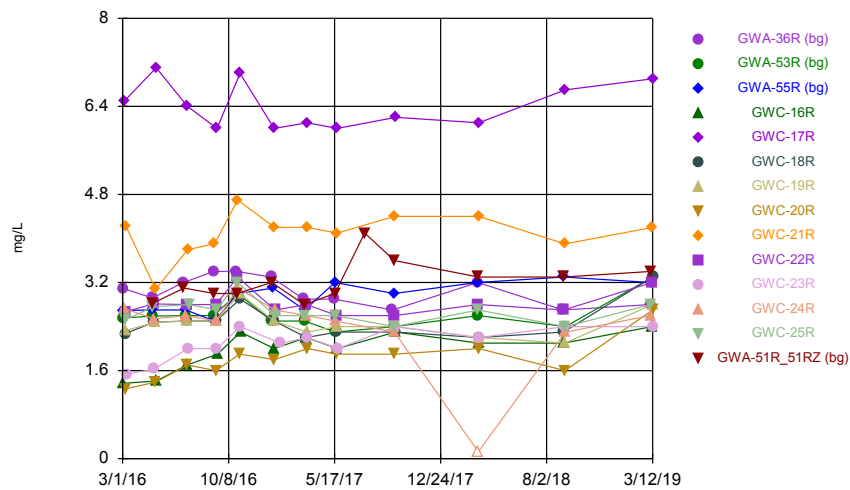
Constituent: Boron Analysis Run 4/26/2019 10:34 AM View: cell 3&4 apIII bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



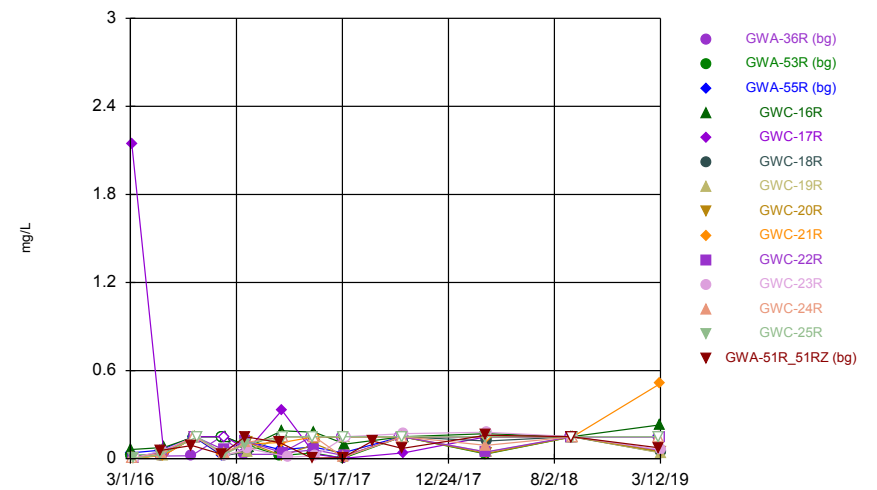
Constituent: Calcium Analysis Run 4/26/2019 10:34 AM View: cell 3&4 apIII bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Chloride Analysis Run 4/26/2019 10:35 AM View: cell 3&4 apIII bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Fluoride Analysis Run 4/26/2019 10:35 AM View: cell 3&4 apIII bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/26/2019 10:46 AM View: cell 3&4 appIII bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
3/1/2016	<0.1								
3/2/2016		<0.1							
3/3/2016			<0.1	<0.1 (D)					
3/4/2016					<0.003				
3/7/2016						<0.003	<0.003		
3/8/2016								<0.003	<0.003
3/9/2016									
5/2/2016	<0.1								
5/3/2016		<0.1	<0.1						
5/4/2016									
5/5/2016						<0.1			
5/6/2016									
5/9/2016							<0.1	<0.1	<0.1
5/10/2016				<0.1	<0.1				
7/6/2016	0.0059 (J)								
7/7/2016									
7/11/2016		<0.1	0.0047 (J)						
7/12/2016									
7/13/2016				0.0297 (J)		0.0159 (J)			
7/14/2016					0.0069 (J)		0.0045 (J)	<0.1	
7/15/2016									<0.1
7/18/2016									
9/7/2016	<0.1	<0.1							
9/8/2016									
9/9/2016			<0.1						<0.1
9/12/2016						<0.1	<0.1	<0.1	
9/13/2016									
9/14/2016					<0.1				
9/15/2016				<0.1					
10/25/2016	0.0077 (J)								
10/26/2016									
10/27/2016		0.0148 (J)	0.0108 (J)						0.0103 (J)
10/31/2016							0.0086 (J)	0.007 (J)	
11/1/2016					<0.1	<0.1			
11/2/2016				<0.1					
1/5/2017	0.0074 (J)								
1/6/2017		<0.04							
1/9/2017			<0.04						
1/11/2017				<0.04	0.0078 (J)	<0.04	<0.04		
1/12/2017								<0.04	<0.04
1/13/2017									
1/25/2017									
3/14/2017	0.0062 (J)								
3/15/2017									
3/16/2017		<0.04	<0.04						
3/20/2017				0.0092 (J)		<0.04			
3/21/2017					<0.04		<0.04		<0.04
3/22/2017								<0.04	
5/16/2017	<0.04								
5/18/2017			<0.04						
5/19/2017		<0.04							
5/22/2017						0.0452	<0.04 (*)	<0.04 (*)	

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/26/2019 10:46 AM View: cell 3&4 applll bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
5/23/2017				<0.04 (*)	<0.04				<0.04 (*)
5/24/2017									
7/19/2017									
9/15/2017	<0.04								
9/18/2017			<0.04						
9/19/2017		<0.04						<0.04	<0.04
9/20/2017							<0.04 (*)		
9/21/2017				<0.04		<0.04			
9/22/2017					<0.04				
3/12/2018	0.0082 (J)		0.0041 (J)						
3/13/2018		<0.04							
3/14/2018				0.0065 (J)	0.0051 (J)	<0.04	0.0076 (J)	<0.04	0.0053 (J)
9/6/2018	<0.04								
9/7/2018			<0.04	<0.04		<0.04			
9/10/2018							<0.04	<0.04	<0.04
9/11/2018		<0.04			<0.04				
3/7/2019	0.0049 (J)		<0.04						
3/8/2019									
3/11/2019				0.013 (J)					0.005 (J)
3/12/2019		<0.04			0.0099 (J)	<0.04	<0.04	0.0045 (J)	

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/26/2019 10:46 AM View: cell 3&4 appIII bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016			<0.003		
3/7/2016	<0.003				
3/8/2016				<0.003	
3/9/2016		<0.003			
5/2/2016					
5/3/2016					
5/4/2016				<0.1	<0.1 (D)
5/5/2016	<0.1		<0.1		
5/6/2016		0.0271 (J)			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					0.0096 (JD)
7/11/2016					
7/12/2016			0.005 (J)		
7/13/2016					
7/14/2016	0.0047 (J)				
7/15/2016		0.0055 (J)			
7/18/2016				<0.1	
9/7/2016					
9/8/2016					0.0137 (JD)
9/9/2016					
9/12/2016	<0.1				
9/13/2016			<0.1	<0.1	
9/14/2016		0.0094 (J)			
9/15/2016					
10/25/2016					
10/26/2016					0.0247 (JD)
10/27/2016	0.0153 (J)		0.0093 (J)	0.0162 (J)	
10/31/2016					
11/1/2016		0.008 (J)			
11/2/2016					
1/5/2017					
1/6/2017					0.0082 (JD)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	<0.04		<0.04	<0.04	
1/25/2017		<0.04			
3/14/2017					
3/15/2017					<0.04 (D)
3/16/2017				<0.04	
3/20/2017	<0.04		<0.04		
3/21/2017					
3/22/2017		<0.04			
5/16/2017					
5/18/2017					0.0076 (JD)
5/19/2017			<0.04	<0.04	
5/22/2017					

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/26/2019 10:46 AM View: cell 3&4 applll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
5/23/2017	<0.04				
5/24/2017		0.0133 (J)			
7/19/2017					0.0193 (JD)
9/15/2017					
9/18/2017					
9/19/2017	<0.04		<0.04	<0.04	0.0132 (JD)
9/20/2017					
9/21/2017		<0.04 (*)			
9/22/2017					
3/12/2018					
3/13/2018	<0.04		0.0042 (J)	<0.04	0.013 (J)
3/14/2018		0.0056 (J)			
9/6/2018					
9/7/2018	<0.04				<0.04
9/10/2018					
9/11/2018		<0.04	<0.04	<0.04	
3/7/2019					
3/8/2019			<0.04	<0.04	0.0085 (J)
3/11/2019	<0.04				
3/12/2019		0.0047 (J)			



# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/26/2019 10:46 AM View: cell 3&4 appll bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
3/1/2016	32								
3/2/2016		29							
3/3/2016			36	52 (D)					
3/4/2016					69				
3/7/2016						30	30		
3/8/2016								40	63
3/9/2016									
5/2/2016	30								
5/3/2016		31	39.1						
5/4/2016									
5/5/2016						29.6			
5/6/2016									
5/9/2016							32.6	43.8	50.8
5/10/2016				57.6	72.9				
7/6/2016	29.2								
7/7/2016									
7/11/2016		28.2	31.6						
7/12/2016									
7/13/2016				49		27.8			
7/14/2016					58.2		25.6	36	
7/15/2016									48.2
7/18/2016									
9/7/2016	28.4	27.6							
9/8/2016									
9/9/2016			29.8						56.9
9/12/2016						29.1	29.6	42.1	
9/13/2016									
9/14/2016					62.2				
9/15/2016				55.4					
10/25/2016	30.8								
10/26/2016									
10/27/2016		26.5	28.9						57.9
10/31/2016									
11/1/2016					62.5	26.2			
11/2/2016				54.8					
1/5/2017	32.6								
1/6/2017		26							
1/9/2017			27.9						
1/11/2017				51.6	63.9	25.2	28.5		
1/12/2017								39.1	60.5
1/13/2017									
1/25/2017									
3/14/2017	29.1								
3/15/2017									
3/16/2017		26.6	28.2						
3/20/2017				52.5		29.9			
3/21/2017					63.8		29.1		63.7
3/22/2017								37	
5/16/2017	28.5								
5/18/2017			31.3						
5/19/2017		30.9							
5/22/2017						28.9	28.2	36.8	

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/26/2019 10:46 AM View: cell 3&4 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
5/23/2017				58.7	62				60
5/24/2017									
7/19/2017									
9/15/2017	29.1								
9/18/2017			29.7						
9/19/2017		28.5						37.7	58.9
9/20/2017							32.1		
9/21/2017				63.8		30.8			
9/22/2017					67.2				
3/12/2018	30.6		38.2						
3/13/2018		29.3							
3/14/2018				60.6	65.6	27.6	30.7	35.9	65.6
9/6/2018	26.1								
9/7/2018			40.3	62.4		29.5			
9/10/2018							30.7	31.6	61.7
9/11/2018		26.3			63.2				
3/7/2019	28		40.4						
3/8/2019									
3/11/2019				63.8					67.1
3/12/2019		28			65.3	28.6	31.1	35.2	

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/26/2019 10:47 AM View: cell 3&4 appll bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016			32		
3/7/2016	32				
3/8/2016				34	
3/9/2016		55			
5/2/2016					
5/3/2016					
5/4/2016				36	43.4 (D)
5/5/2016	32.2		34.6		
5/6/2016		62.4			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					40.1 (D)
7/11/2016					
7/12/2016			29.6		
7/13/2016					
7/14/2016	26.8				
7/15/2016		49.5			
7/18/2016				31.7	
9/7/2016					
9/8/2016					37.1 (D)
9/9/2016					
9/12/2016	31.1				
9/13/2016			31.1	32.5	
9/14/2016		54.4			
9/15/2016					
10/25/2016					
10/26/2016					38.8 (D)
10/27/2016	29.2		32.8	30.9	
10/31/2016					
11/1/2016		52.8			
11/2/2016					
1/5/2017					
1/6/2017					39.6 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	30		34	31.2	
1/25/2017		57.2			
3/14/2017					
3/15/2017					36.1 (D)
3/16/2017				29	
3/20/2017	32		33.4		
3/21/2017					
3/22/2017		58.1			
5/16/2017					
5/18/2017					40.1 (D)
5/19/2017			33.2	33.9	
5/22/2017					

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/26/2019 10:47 AM View: cell 3&4 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
5/23/2017	27.5				
5/24/2017		64			
7/19/2017					46.9 (D)
9/15/2017					
9/18/2017					
9/19/2017	30.3		29.5	31.3	47.7 (D)
9/20/2017					
9/21/2017		61.1			
9/22/2017					
3/12/2018					
3/13/2018	32.1		30.8	33.3	46.1 (D)
3/14/2018		59.9			
9/6/2018					
9/7/2018	32.7				44.2
9/10/2018					
9/11/2018		60.2	29.1	30.9	
3/7/2019					
3/8/2019			28.8	33.1	46.6
3/11/2019	33.9				
3/12/2019		61.6			

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/26/2019 10:47 AM View: cell 3&4 appll bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
3/1/2016	3.096								
3/2/2016		2.556							
3/3/2016			2.6912	1.3707 (D)					
3/4/2016					6.4905				
3/7/2016						2.2698	2.3254		
3/8/2016								1.2699	4.2184
3/9/2016									
5/2/2016	2.92								
5/3/2016		2.59	2.7						
5/4/2016									
5/5/2016						2.48			
5/6/2016									
5/9/2016							2.48	1.39	3.08
5/10/2016				1.41	7.1				
7/6/2016	3.2								
7/7/2016									
7/11/2016		2.6	2.7						
7/12/2016									
7/13/2016				1.7		2.5			
7/14/2016					6.4		2.5	1.7	
7/15/2016									3.8
7/18/2016									
9/7/2016	3.4	2.6							
9/8/2016									
9/9/2016			2.5						3.9
9/12/2016						2.5	2.5	1.6	
9/13/2016									
9/14/2016					6				
9/15/2016				1.9					
10/25/2016	3.4								
10/26/2016									
10/27/2016		3	3						4.7
10/31/2016									
11/1/2016					7	2.9		1.9	
11/2/2016				2.3					
1/5/2017	3.3								
1/6/2017		2.5							
1/9/2017			3.1						
1/11/2017				2	6	2.5	2.5		
1/12/2017								1.8	4.2
1/13/2017									
1/25/2017									
3/14/2017	2.9								
3/15/2017									
3/16/2017		2.5	2.7						
3/20/2017				2.2		2.2			
3/21/2017					6.1		2.3		4.2
3/22/2017								2	
5/16/2017	2.9								
5/18/2017			3.2						
5/19/2017		2.3							
5/22/2017						2.3	2.4	1.9	

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/26/2019 10:47 AM View: cell 3&4 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
5/23/2017				2	6				4.1
5/24/2017									
7/19/2017									
9/15/2017	2.7								
9/18/2017			3						
9/19/2017		2.4						1.9	4.4
9/20/2017							2.4		
9/21/2017				2.3		2.3			
9/22/2017					6.2				
3/12/2018	3.2		3.2						
3/13/2018		2.6							
3/14/2018				2.1	6.1	2.2	2.2	2	4.4
9/6/2018	2.7								
9/7/2018			3.3	2.1		2.3			
9/10/2018							2.1	1.6	3.9
9/11/2018		2.4			6.7				
3/7/2019	2.8		3.2						
3/8/2019									
3/11/2019				2.4					4.2
3/12/2019		3.3			6.9	3.3	2.8	2.7	

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/26/2019 10:47 AM View: cell 3&4 appIII bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016			2.7291		
3/7/2016	2.6729				
3/8/2016				2.5307	
3/9/2016		1.5349			
5/2/2016					
5/3/2016					
5/4/2016				2.76	2.83 (D)
5/5/2016	2.81		2.54		
5/6/2016		1.63			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					3.1 (D)
7/11/2016					
7/12/2016			2.6		
7/13/2016					
7/14/2016	2.8				
7/15/2016		2			
7/18/2016				2.8	
9/7/2016					
9/8/2016					3 (D)
9/9/2016					
9/12/2016	2.8				
9/13/2016			2.5	2.7	
9/14/2016		2			
9/15/2016					
10/25/2016					
10/26/2016					3 (D)
10/27/2016	3.3		3.1	3.2	
10/31/2016					
11/1/2016		2.4			
11/2/2016					
1/5/2017					
1/6/2017					3.2 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	2.7		2.7	2.6	
1/25/2017		2.1			
3/14/2017					
3/15/2017					2.8 (D)
3/16/2017				2.6	
3/20/2017	2.8		2.6		
3/21/2017					
3/22/2017		2.2			
5/16/2017					
5/18/2017					3 (D)
5/19/2017			2.5	2.6	
5/22/2017					

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/26/2019 10:47 AM View: cell 3&4 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
5/23/2017	2.6				
5/24/2017		2			
7/19/2017					4.1 (D)
9/15/2017					
9/18/2017					
9/19/2017	2.6		2.3	2.4	3.6 (D)
9/20/2017					
9/21/2017		2.4			
9/22/2017					
3/12/2018					
3/13/2018	2.8		<0.25	2.7	3.3
3/14/2018		2.2			
9/6/2018					
9/7/2018	2.7				3.3
9/10/2018					
9/11/2018		2.4	2.3	2.4	
3/7/2019					
3/8/2019			2.6	2.8	3.4
3/11/2019	3.2				
3/12/2019		2.4			



# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/26/2019 10:47 AM View: cell 3&4 appll bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
3/1/2016	0.0172 (J)								
3/2/2016		0.0238 (J)							
3/3/2016			0.0392 (J)	0.06259 (JD)					
3/4/2016					2.1421 (J)				
3/7/2016						0.00232 (J)	<0.01		
3/8/2016								0.00425 (J)	0.00287 (J)
3/9/2016									
5/2/2016	0.018 (J)								
5/3/2016		0.027 (J)	0.058 (J)						
5/4/2016									
5/5/2016						0.025 (J)			
5/6/2016									
5/9/2016							0.0246 (J)	0.0259 (J)	0.0222 (J)
5/10/2016				0.0767 (J)	0.0258 (J)				
7/6/2016	0.02 (J)								
7/7/2016									
7/11/2016		<0.3 (*)	<0.3 (*)						
7/12/2016									
7/13/2016				<0.3		<0.3			
7/14/2016					<0.3		<0.3	<0.3	
7/15/2016									<0.3
7/18/2016									
9/7/2016	<0.3	<0.3							
9/8/2016									
9/9/2016			0.02 (J)						0.03 (J)
9/12/2016						0.02 (J)	0.03 (J)	0.03 (J)	
9/13/2016									
9/14/2016					<0.3				
9/15/2016				<0.3					
10/25/2016	0.03 (J)								
10/26/2016									
10/27/2016		0.1 (J)	0.12 (J)						0.1 (J)
10/31/2016									
11/1/2016					0.06 (J)	0.05 (J)			
11/2/2016				0.08 (J)					
1/5/2017	0.03 (J)								
1/6/2017		0.02 (J)							
1/9/2017			0.06 (J)						
1/11/2017				0.19 (J)	0.33	<0.3	<0.3		
1/12/2017								0.02 (J)	0.11 (J)
1/13/2017									
1/25/2017									
3/14/2017	<0.3								
3/15/2017									
3/16/2017		0.04 (J)	0.08 (J)						
3/20/2017				0.18 (J)		<0.3			
3/21/2017					0.03 (J)		<0.3		<0.3
3/22/2017								0.1 (J)	
5/16/2017	<0.3								
5/18/2017			0.04 (J)						
5/19/2017		0.004 (J)							
5/22/2017						<0.3	<0.3	0.02 (J)	

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/26/2019 10:47 AM View: cell 3&4 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
5/23/2017				0.1 (J)	0.004 (J)				<0.3
5/24/2017									
7/19/2017									
9/15/2017	<0.3								
9/18/2017			<0.3						
9/19/2017		<0.3						<0.3	<0.3
9/20/2017							<0.3		
9/21/2017				<0.3		<0.3			
9/22/2017					0.04 (J)				
3/12/2018	<0.3		<0.3						
3/13/2018		0.032 (J)							
3/14/2018				0.17 (J)	<0.3	0.12 (J)	0.045 (J)	0.035 (J)	<0.3
9/6/2018	<0.3								
9/7/2018			<0.3	<0.3		<0.3			
9/10/2018							<0.3	<0.3	<0.3
9/11/2018		<0.3			<0.3				
3/7/2019	<0.3		<0.3						
3/8/2019									
3/11/2019				0.23 (J)					0.51
3/12/2019		0.046 (J)			0.056 (J)	0.042 (J)	0.04 (J)	0.048 (J)	

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/26/2019 10:47 AM View: cell 3&4 appll bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

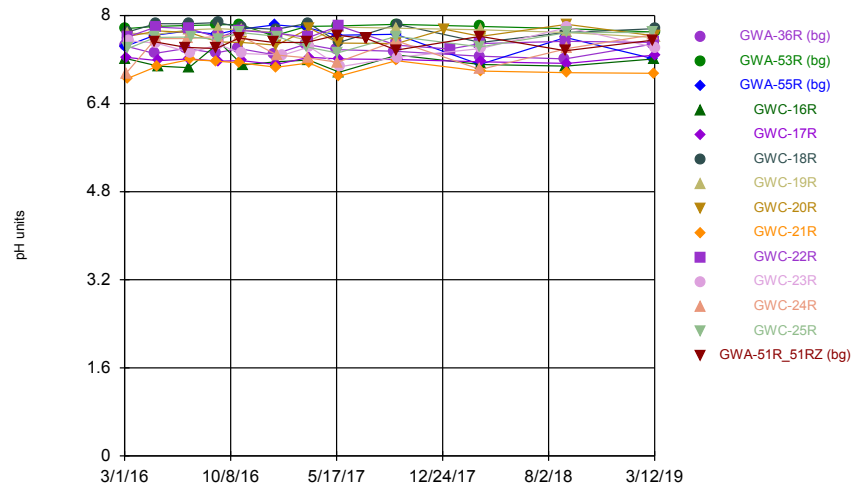
	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016			<0.005		
3/7/2016	0.00526 (J)				
3/8/2016				0.00246 (J)	
3/9/2016		<0.01			
5/2/2016					
5/3/2016					
5/4/2016				0.027 (J)	0.057 (JD)
5/5/2016	0.049 (J)		0.039 (J)		
5/6/2016		0.056 (J)			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					0.09 (JD)
7/11/2016					
7/12/2016			<0.3 (*)		
7/13/2016					
7/14/2016	<0.3				
7/15/2016		<0.3			
7/18/2016				<0.3	
9/7/2016					
9/8/2016					0.03 (JD)
9/9/2016					
9/12/2016	0.06 (J)				
9/13/2016			0.04 (J)	0.03 (J)	
9/14/2016		0.02 (J)			
9/15/2016					
10/25/2016					
10/26/2016					0.15 (JD)
10/27/2016	0.12 (J)		0.11 (J)	0.1 (J)	
10/31/2016					
11/1/2016		0.07 (J)			
11/2/2016					
1/5/2017					
1/6/2017					0.11 (JD)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	0.04 (J)		<0.3	<0.3	
1/25/2017		0.01 (J)			
3/14/2017					
3/15/2017					0.004 (JD)
3/16/2017				<0.3	
3/20/2017	0.06 (J)		<0.3		
3/21/2017					
3/22/2017		0.02 (J)			
5/16/2017					
5/18/2017					0.007 (JD)
5/19/2017			0.01 (J)	<0.3	
5/22/2017					

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/26/2019 10:47 AM View: cell 3&4 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

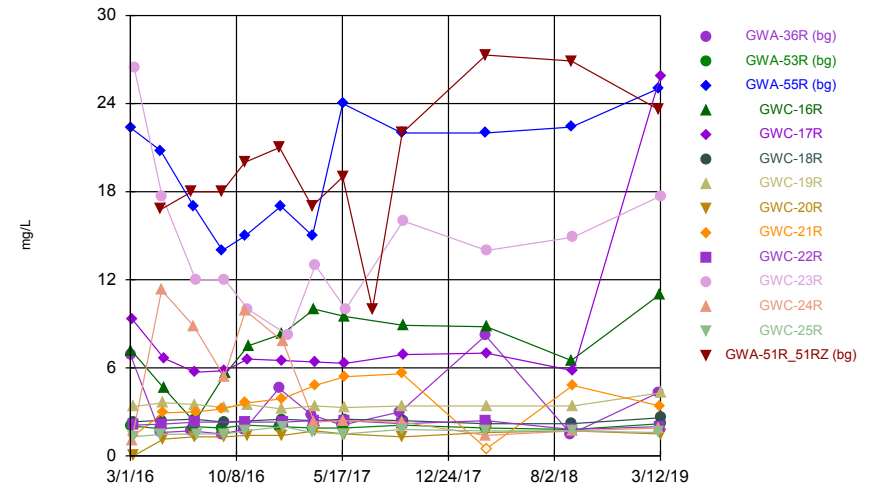
	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
5/23/2017	0.02 (J)				
5/24/2017		<0.3			
7/19/2017					0.12 (JD)
9/15/2017					
9/18/2017					
9/19/2017	<0.3		<0.3	<0.3	0.07 (JD)
9/20/2017					
9/21/2017		0.17 (J)			
9/22/2017					
3/12/2018					
3/13/2018	0.046 (J)		0.091 (J)	<0.3	0.16 (J)
3/14/2018		0.18 (J)			
9/6/2018					
9/7/2018	<0.3				<0.3
9/10/2018					
9/11/2018		<0.3	<0.3	<0.3	
3/7/2019					
3/8/2019			<0.3	<0.3	0.075 (J)
3/11/2019	<0.3				
3/12/2019		0.06 (J)			

Time Series



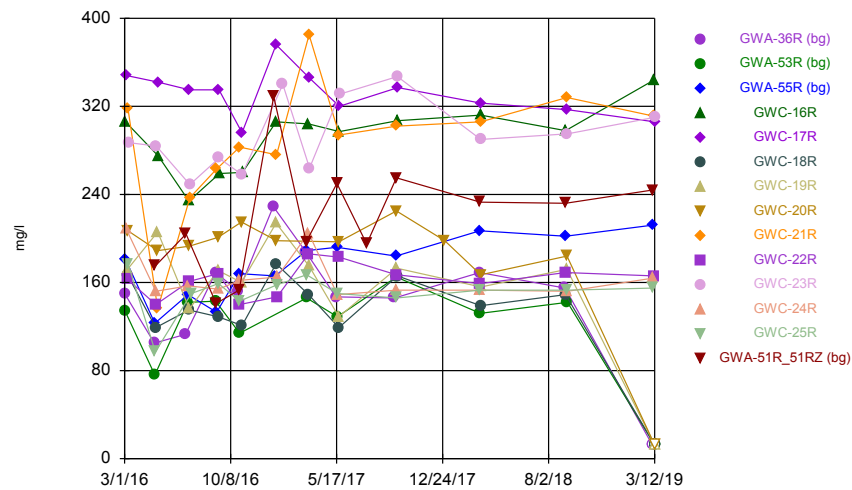
Constituent: pH Analysis Run 4/26/2019 10:36 AM View: cell 3&4 appllI bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Sulfate Analysis Run 4/26/2019 10:36 AM View: cell 3&4 appllI bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 4/26/2019 10:37 AM View: cell 3&4 appllI bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

# Time Series

Constituent: pH (pH units) Analysis Run 4/26/2019 10:48 AM View: cell 3&4 applll bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
3/1/2016	7.45								
3/2/2016		7.76							
3/3/2016			7.44	7.22 (D)					
3/4/2016					7.24				
3/7/2016						7.7	7.68		
3/8/2016								7.62	6.86
3/9/2016									
5/2/2016	7.31								
5/3/2016		7.8	7.64						
5/4/2016									
5/5/2016						7.85			
5/6/2016									
5/9/2016							7.66	7.72	7.08
5/10/2016				7.08	7.18				
7/6/2016	7.4								
7/7/2016									
7/11/2016		7.82	7.72						
7/12/2016									
7/13/2016				7.05		7.85			
7/14/2016					7.21		7.74	7.69	
7/15/2016									7.2
7/18/2016									
9/7/2016	7.32	7.83							
9/8/2016									
9/9/2016			7.66						7.17
9/12/2016						7.87	7.76	7.52	
9/13/2016					7.17				
9/14/2016									
9/15/2016				7.51					
10/25/2016	7.4								
10/26/2016									
10/27/2016		7.84	7.75						7.14
10/31/2016							7.74	7.51	
11/1/2016					7.18	7.78			
11/2/2016				7.1					
1/5/2017	7.29								
1/6/2017		7.63							
1/9/2017			7.83						
1/11/2017				7.16	7.11	7.75	7.69		
1/12/2017								7.46	7.06
1/13/2017									
1/25/2017									
3/14/2017	7.48								
3/15/2017									
3/16/2017		7.8	7.78						
3/20/2017				7.19		7.86			
3/21/2017					7.24		7.54		7.14
3/22/2017								7.77	
5/16/2017	7.38								
5/18/2017			7.64						
5/19/2017		7.81							
5/22/2017						7.51	7.79	7.5	

# Time Series

Constituent: pH (pH units) Analysis Run 4/26/2019 10:48 AM View: cell 3&4 applll bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
5/23/2017				6.97	7.21				6.9
5/24/2017									
7/18/2017									
7/19/2017									
9/15/2017	7.35								
9/18/2017			7.66						
9/19/2017		7.84						7.49	7.18
9/20/2017							7.77		
9/21/2017				7.28		7.84			
9/22/2017					7.2				
12/29/2017								7.75 (Y)	
1/9/2018									
3/12/2018	7.26		7.11						
3/13/2018		7.8							
3/14/2018				7.11	7.16	7.51	7.74	7.62	6.99
9/6/2018	7.21								
9/7/2018			7.6	7.08		7.69			
9/10/2018							7.69	7.84	6.96
9/11/2018		7.76			7.13				
3/7/2019	7.48		7.22						
3/8/2019									
3/11/2019				7.21					6.95
3/12/2019		7.7			7.28	7.76	7.6	7.63	

# Time Series

Constituent: pH (pH units) Analysis Run 4/26/2019 10:48 AM View: cell 3&4 applll bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016			6.95		
3/7/2016	7.61				
3/8/2016				7.4	
3/9/2016		7.54			
5/2/2016					
5/3/2016					
5/4/2016				7.6	7.52 (D)
5/5/2016	7.79		7.58		
5/6/2016		7.5			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					7.42 (D)
7/11/2016					
7/12/2016			7.58		
7/13/2016					
7/14/2016	7.76				
7/15/2016		7.33			
7/18/2016				7.61	
9/7/2016					
9/8/2016					7.4 (D)
9/9/2016					
9/12/2016	7.6				
9/13/2016			7.62	7.56	
9/14/2016		7.47			
9/15/2016					
10/25/2016					
10/26/2016					7.59 (D)
10/27/2016	7.73		7.64	7.69	
10/31/2016					
11/1/2016		7.31			
11/2/2016					
1/5/2017					
1/6/2017					7.51 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	7.68		7.28	7.62	
1/25/2017		7.28			
3/14/2017					
3/15/2017					7.51 (D)
3/16/2017				7.43	
3/20/2017	7.6		7.23		
3/21/2017					
3/22/2017		7.43			
5/16/2017					
5/18/2017					7.64 (D)
5/19/2017			7.15	7.32	
5/22/2017					



# Time Series

Constituent: pH (pH units) Analysis Run 4/26/2019 10:48 AM View: cell 3&4 applll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
5/23/2017	7.81				
5/24/2017		7.07			
7/18/2017					7.58
7/19/2017					7.58 (D)
9/15/2017					
9/18/2017					
9/19/2017	7.46		7.54	7.62	7.37 (D)
9/20/2017					
9/21/2017		7.24			
9/22/2017					
12/29/2017					
1/9/2018	7.39 (Y)				
3/12/2018					
3/13/2018	7.49		7.02	7.43	7.62
3/14/2018		7.4			
9/6/2018					
9/7/2018	7.53				7.36
9/10/2018					
9/11/2018		7.78	7.4	7.69	
3/7/2019					
3/8/2019			7.65	7.69	7.55
3/11/2019	7.51				
3/12/2019		7.42			

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/26/2019 10:48 AM View: cell 3&4 applll bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
3/1/2016	6.8929								
3/2/2016		2.0407							
3/3/2016			22.316	7.1809 (D)					
3/4/2016					9.3417				
3/7/2016						2.3258	3.3556		
3/8/2016								0.0196 (J)	1.3858
3/9/2016									
5/2/2016	1.6								
5/3/2016		1.86	20.8						
5/4/2016									
5/5/2016						2.42			
5/6/2016									
5/9/2016							3.62	1.15	2.94
5/10/2016				4.6	6.65				
7/6/2016	1.7								
7/7/2016									
7/11/2016		2	17						
7/12/2016									
7/13/2016				2.3		2.5			
7/14/2016					5.7		3.5	1.3	
7/15/2016									3
7/18/2016									
9/7/2016	1.5	1.9							
9/8/2016									
9/9/2016			14						3.2
9/12/2016						2.3	3.3	1.3	
9/13/2016									
9/14/2016					5.8				
9/15/2016				5.6					
10/25/2016	1.8								
10/26/2016									
10/27/2016		2.1	15						3.6
10/31/2016							3.5	1.4	
11/1/2016					6.6				
11/2/2016				7.5					
1/5/2017	4.6								
1/6/2017		2							
1/9/2017			17						
1/11/2017				8.3	6.5	2.5	3.2		
1/12/2017								1.4	3.9
1/13/2017									
1/25/2017									
3/14/2017	2.8								
3/15/2017									
3/16/2017		1.9	15						
3/20/2017				10		2.4			
3/21/2017					6.4		3.4		4.8
3/22/2017								1.7	
5/16/2017	2.1								
5/18/2017			24						
5/19/2017		1.9							
5/22/2017						2.5	3.3	1.5	

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/26/2019 10:48 AM View: cell 3&4 applll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
5/23/2017				9.5	6.3				5.4
5/24/2017									
7/19/2017									
9/15/2017	3								
9/18/2017			22						
9/19/2017		2.1						1.3	5.6
9/20/2017							3.4		
9/21/2017				8.9		2.4			
9/22/2017					6.9				
3/12/2018	8.2		22						
3/13/2018		1.9							
3/14/2018				8.8	7	2.2	3.4	1.6	<1
9/6/2018	1.5								
9/7/2018			22.4	6.5		2.2			
9/10/2018							3.4	1.7	4.8
9/11/2018		1.8			5.8				
3/7/2019	4.3		25						
3/8/2019									
3/11/2019				11					3.4
3/12/2019		2.2			25.9	2.6	4.3	1.5	

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/26/2019 10:48 AM View: cell 3&4 applll bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016			1.0816		
3/7/2016	2.1008				
3/8/2016				1.3157	
3/9/2016		26.4322			
5/2/2016					
5/3/2016					
5/4/2016				1.46	16.8 (D)
5/5/2016	2.16		11.3		
5/6/2016		17.7			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					18 (D)
7/11/2016					
7/12/2016			8.8		
7/13/2016					
7/14/2016	2.3				
7/15/2016		12			
7/18/2016				1.5	
9/7/2016					
9/8/2016					18 (D)
9/9/2016					
9/12/2016					
9/13/2016			5.4	1.5	
9/14/2016		12			
9/15/2016					
10/25/2016					
10/26/2016					20 (D)
10/27/2016	2.3		9.9	1.7	
10/31/2016					
11/1/2016		10			
11/2/2016					
1/5/2017					
1/6/2017					21 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	2.3		7.8	2	
1/25/2017		8.2			
3/14/2017					
3/15/2017					17 (D)
3/16/2017				1.6	
3/20/2017	2.4		2.3		
3/21/2017					
3/22/2017		13			
5/16/2017					
5/18/2017					19 (D)
5/19/2017			2.4	1.5	
5/22/2017					

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/26/2019 10:48 AM View: cell 3&4 applll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

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	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
5/23/2017	2.4				
5/24/2017		10			
7/19/2017					10 (D)
9/15/2017					
9/18/2017					
9/19/2017	2.2		2.3	1.8	22 (D)
9/20/2017					
9/21/2017		16			
9/22/2017					
3/12/2018					
3/13/2018	2.4		1.4	1.7	27.3
3/14/2018		14			
9/6/2018					
9/7/2018	1.8				26.9
9/10/2018					
9/11/2018		14.9	1.7	1.7	
3/7/2019					
3/8/2019			1.9	1.6	23.6
3/11/2019	2				
3/12/2019		17.7			

# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/26/2019 10:48 AM View: cell 3&4 appll bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
3/1/2016	150 (D)								
3/2/2016		134 (D)							
3/3/2016			181 (D)	306 (D)					
3/4/2016					348 (D)				
3/7/2016						167 (D)	172 (D)		
3/8/2016								207 (D)	318 (D)
3/9/2016									
5/2/2016	105 (D)								
5/3/2016		76 (D)	123 (D)						
5/4/2016									
5/5/2016						119 (D)			
5/6/2016									
5/9/2016							206 (D)	189 (D)	136 (D)
5/10/2016				275 (D)	342 (D)				
7/6/2016	113 (D)								
7/7/2016									
7/11/2016		142 (D)	149 (D)						
7/12/2016									
7/13/2016				234 (D)		135 (D)			
7/14/2016					335 (D)		136 (D)	193 (D)	
7/15/2016									237 (D)
7/18/2016									
9/7/2016	169 (D)	143 (D)							
9/8/2016									
9/9/2016			133 (D)						263 (D)
9/12/2016						129 (D)	171 (D)	201 (D)	
9/13/2016									
9/14/2016					335 (D)				
9/15/2016				259 (D)					
10/25/2016	152 (D)								
10/26/2016									
10/27/2016		114 (D)	168 (D)						283 (D)
10/31/2016									
11/1/2016					296 (D)	121 (D)			
11/2/2016				260 (D)					
1/5/2017	229								
1/6/2017									
1/9/2017			166						
1/11/2017				306	376	177	214		
1/12/2017								198	276
1/13/2017									
1/25/2017									
3/14/2017	188								
3/15/2017									
3/16/2017		146	189						
3/20/2017				304		149			
3/21/2017					346		175 (J)		385
3/22/2017									
5/16/2017	147								
5/18/2017			192						
5/19/2017		129							
5/22/2017						119	129	197	

# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/26/2019 10:48 AM View: cell 3&4 appll bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWA-36R (bg)	GWA-53R (bg)	GWA-55R (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-19R	GWC-20R	GWC-21R
5/23/2017				297	320				294
5/24/2017									
7/19/2017									
9/15/2017	146								
9/18/2017			184						
9/19/2017		165						225	302
9/20/2017							173		
9/21/2017				307		166			
9/22/2017					337				
12/29/2017								198 (Y)	
3/12/2018	169		207						
3/13/2018		132							
3/14/2018				312	323	139	156	167	306
9/6/2018	155								
9/7/2018			202	298		149			
9/10/2018							172	184	328
9/11/2018		142			317				
3/7/2019	<25		212						
3/8/2019									
3/11/2019				344					311
3/12/2019		<25			306	<25	<25	<25	

# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/26/2019 10:48 AM View: cell 3&4 appll bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016			209 (D)		
3/7/2016	163 (D)				
3/8/2016				177 (D)	
3/9/2016		287 (D)			
5/2/2016					
5/3/2016					
5/4/2016				97 (D)	175 (D)
5/5/2016	140 (D)		152 (D)		
5/6/2016		284 (D)			
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					204 (D)
7/11/2016					
7/12/2016			157 (D)		
7/13/2016					
7/14/2016	161 (D)				
7/15/2016		249 (D)			
7/18/2016				150 (D)	
9/7/2016					
9/8/2016					141 (D)
9/9/2016					
9/12/2016	168 (D)				
9/13/2016			154 (D)	159 (D)	
9/14/2016		273 (D)			
9/15/2016					
10/25/2016					
10/26/2016					153 (D)
10/27/2016	140 (D)		162 (D)	143 (D)	
10/31/2016					
11/1/2016		258 (D)			
11/2/2016					
1/5/2017					
1/6/2017					329 (D)
1/9/2017					
1/11/2017					
1/12/2017					
1/13/2017	147 (J)		165	158	
1/25/2017		340			
3/14/2017					
3/15/2017					197 (D)
3/16/2017				167	
3/20/2017	186		205 (J)		
3/21/2017					
3/22/2017		264			
5/16/2017					
5/18/2017					250 (D)
5/19/2017			149	150	
5/22/2017					



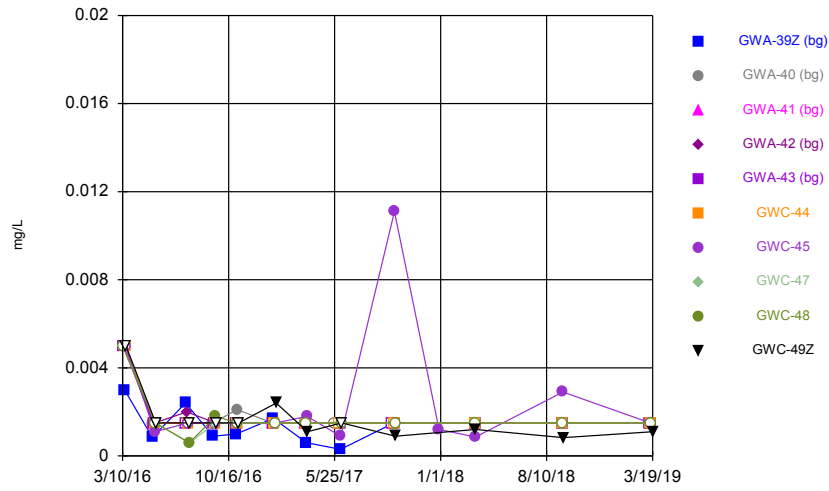
# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/26/2019 10:48 AM View: cell 3&4 appll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 3&4 CCR

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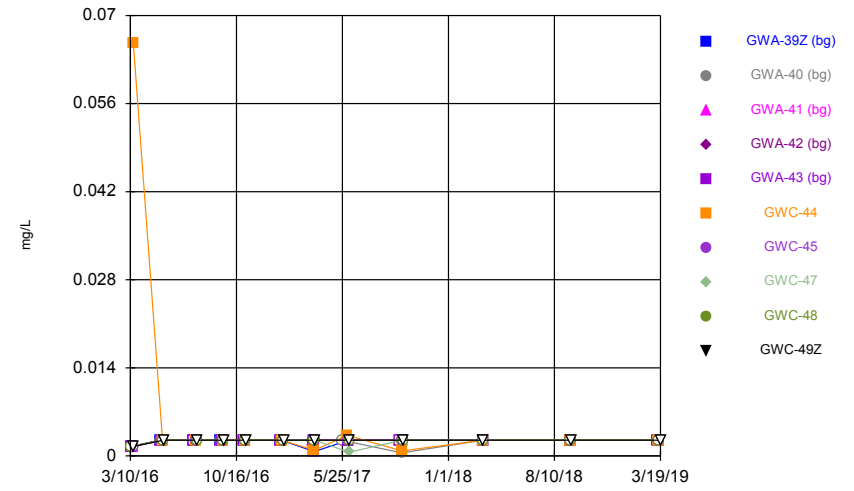
	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-51R_51RZ ...
5/23/2017	183				
5/24/2017		331			
7/19/2017					195 (D)
9/15/2017					
9/18/2017					
9/19/2017	167		153	146	255 (D)
9/20/2017					
9/21/2017		347			
9/22/2017					
12/29/2017					
3/12/2018					
3/13/2018	159		153	153	233
3/14/2018		290			
9/6/2018					
9/7/2018	169				232
9/10/2018					
9/11/2018		295	152	153	
3/7/2019					
3/8/2019			164	155	244
3/11/2019	166				
3/12/2019		310			

Time Series



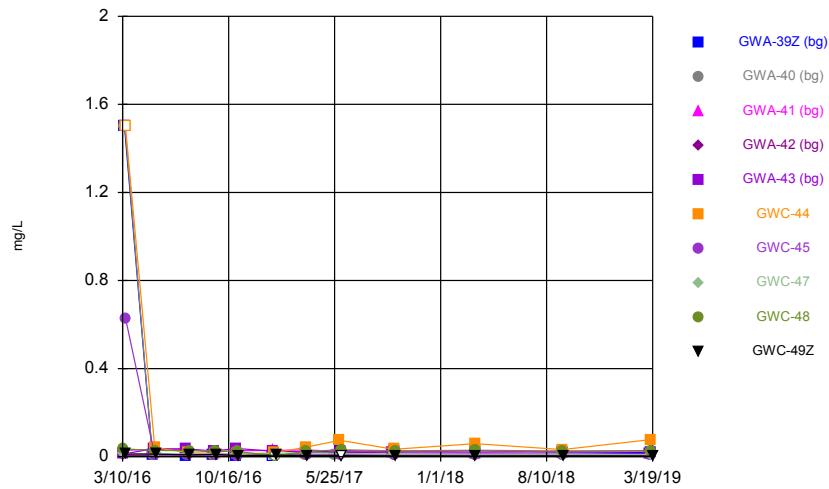
Constituent: Antimony Analysis Run 4/26/2019 11:40 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



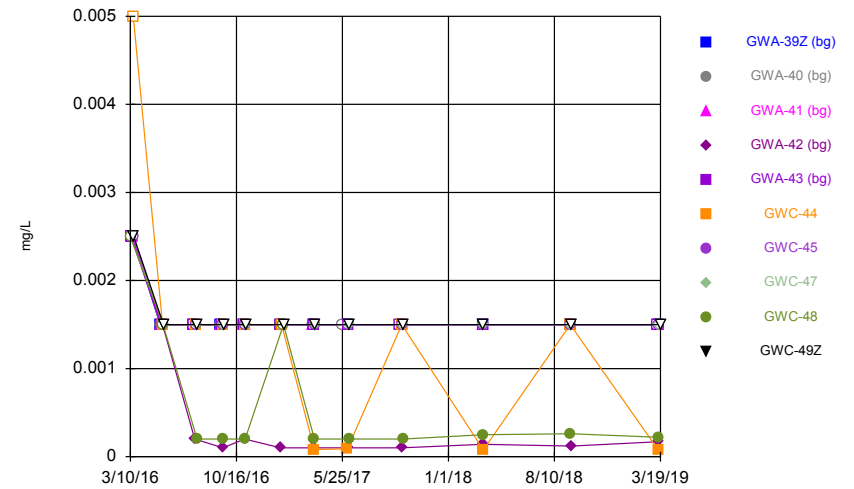
Constituent: Arsenic Analysis Run 4/26/2019 11:40 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Barium Analysis Run 4/26/2019 11:40 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Beryllium Analysis Run 4/26/2019 11:40 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/26/2019 11:47 AM View: cell 9&10 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								<0.01	<0.01
3/11/2016				<0.01	<0.01				
3/14/2016	0.003								
3/15/2016		<0.01	<0.01						
3/16/2016						<0.01	<0.01		
3/17/2016									
5/11/2016	0.000839 (J)	<0.003							
5/12/2016			<0.003						
5/13/2016					<0.003				
5/16/2016				<0.003		<0.003	0.00109 (J)		
5/17/2016									<0.003
5/18/2016								<0.003	
7/19/2016	0.0024 (J)				<0.003 (*)				
7/20/2016			<0.003						
7/21/2016		<0.003							
7/22/2016				0.002 (J)					
7/25/2016						<0.003 (*)	<0.003 (*)		
7/27/2016								0.0006 (J)	0.0006 (J)
7/28/2016									
9/15/2016	0.0009 (J)	<0.003	<0.003						
9/16/2016					<0.003				
9/19/2016				<0.003		<0.003	<0.003		
9/20/2016								<0.003	0.0018 (J)
9/21/2016									
11/2/2016	0.001 (J)				<0.003				
11/3/2016		0.0021 (J)	<0.003	<0.003		<0.003			
11/4/2016							<0.003		<0.003
11/7/2016								<0.003	
1/17/2017		<0.003		<0.003					
1/18/2017	0.0017 (J)		<0.003		<0.003				
1/19/2017						<0.003			
1/23/2017							<0.003	<0.003	<0.003
1/24/2017									
3/24/2017		<0.003	<0.003						
3/27/2017				<0.003					
3/28/2017	0.0006 (J)				<0.003	<0.003			<0.003
3/29/2017							0.0018 (J)	<0.003	
3/30/2017									
5/24/2017		<0.003							
6/5/2017						<0.003			
6/6/2017			<0.003		<0.003				
6/7/2017	0.0003 (J)			<0.003			0.0009 (J)		
6/8/2017								<0.003	<0.003 (*)
6/9/2017									
9/22/2017					<0.003				
9/25/2017			<0.003						
9/26/2017	<0.003	<0.003		<0.003		<0.003			
9/27/2017							0.0111	<0.003	
9/29/2017									<0.003
12/29/2017							0.0012 (Y)		
3/14/2018	<0.003	<0.003	<0.003	<0.003	<0.003				
3/15/2018						<0.003	0.00086 (J)	<0.003	<0.003



# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/26/2019 11:47 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.01
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.003
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	<0.003
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	<0.003
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	<0.003 (*)
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	0.0024 (J)
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	0.0011 (J)
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	<0.003 (*)
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	0.0009 (J)
12/29/2017	
3/14/2018	
3/15/2018	0.0012 (J)

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/26/2019 11:47 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

9/12/2018	
9/13/2018	
9/14/2018	0.00083 (J)
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	0.0011 (J)

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/26/2019 11:47 AM View: cell 9&10 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								<0.003	<0.003
3/11/2016				<0.003	<0.003				
3/14/2016	<0.003								
3/15/2016		<0.003	<0.003						
3/16/2016						0.0657 (J)	<0.003		
3/17/2016									
5/11/2016	<0.005	<0.005							
5/12/2016			<0.005						
5/13/2016					<0.005				
5/16/2016				<0.005		<0.005	<0.005		
5/17/2016									<0.005
5/18/2016								<0.005	
7/19/2016	<0.005				<0.005				
7/20/2016			<0.005						
7/21/2016		<0.005							
7/22/2016				<0.005					
7/25/2016						<0.005	<0.005		
7/27/2016								<0.005	<0.005
7/28/2016									
9/15/2016	<0.005	<0.005	<0.005						
9/16/2016					<0.005				
9/19/2016				<0.005		<0.005	<0.005		
9/20/2016								<0.005	<0.005
9/21/2016									
11/2/2016	<0.005				<0.005				
11/3/2016		<0.005	<0.005	<0.005		<0.005			
11/4/2016							<0.005		<0.005
11/7/2016								<0.005	
1/17/2017		<0.005	<0.005	<0.005					
1/18/2017	<0.005		<0.005		<0.005				
1/19/2017						<0.005			
1/23/2017							<0.005	<0.005	<0.005
1/24/2017									
3/24/2017		<0.005	<0.005						
3/27/2017				<0.005					
3/28/2017	0.0007 (J)				<0.005	0.0009 (J)			<0.005
3/29/2017							<0.005	<0.005	
3/30/2017									
5/24/2017		<0.005							
6/5/2017						0.0033 (J)			
6/6/2017			<0.005 (*)		<0.005 (*)				
6/7/2017	<0.005			<0.005 (*)			<0.005		
6/8/2017								0.0006 (J)	<0.005
6/9/2017									
9/22/2017					<0.005				
9/25/2017			<0.005						
9/26/2017	<0.005	0.0005 (J)		<0.005		0.0008 (J)			
9/27/2017							<0.005	<0.005	
9/29/2017									<0.005
3/14/2018	<0.005	<0.005	<0.005	<0.005	<0.005				
3/15/2018						<0.005	<0.005	<0.005	<0.005
9/12/2018	<0.005	<0.005	<0.005		<0.005	<0.005			





# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.003
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.005
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	<0.005
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	<0.005
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	<0.005
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	<0.005
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	<0.005
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	<0.005
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	<0.005
3/14/2018	
3/15/2018	<0.005
9/12/2018	

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

9/13/2018

9/14/2018

3/13/2019

3/14/2019

3/15/2019

3/19/2019

<0.005

<0.005

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								0.0144	0.0361
3/11/2016				0.00639 (J)	0.0116				
3/14/2016	<3								
3/15/2016		<3	0.0291						
3/16/2016						<3	0.6294 (J)		
3/17/2016									
5/11/2016	0.00793 (J)	0.00992 (J)							
5/12/2016			0.0322						
5/13/2016					0.0361				
5/16/2016				0.00622 (J)		0.0418	0.006 (J)		
5/17/2016									0.0277
5/18/2016								0.0136	
7/19/2016	0.0045 (J)				0.036				
7/20/2016			0.0313						
7/21/2016		0.009 (J)							
7/22/2016				0.0062 (J)					
7/25/2016						0.0179	0.0056 (J)		
7/27/2016								0.013	0.0276
7/28/2016									
9/15/2016	0.0057 (J)	0.0109	0.0217						
9/16/2016					0.0259				
9/19/2016				0.0064 (J)		0.0152	0.0059 (J)		
9/20/2016								0.0146	0.0266
9/21/2016									
11/2/2016	0.0043 (J)				0.037				
11/3/2016		0.0115	0.0272	0.0058 (J)		0.0127			
11/4/2016							0.0054 (J)		0.0239
11/7/2016								0.0124	
1/17/2017		0.0101		0.0061 (J)					
1/18/2017	<0.01 (*)		0.0286 (J)		0.0248				
1/19/2017						0.0172			
1/23/2017							0.006 (J)	0.0158	<0.01
1/24/2017									
3/24/2017		0.0086 (J)	0.0307						
3/27/2017				0.0063 (J)					
3/28/2017	0.0188				0.0222	0.0437			0.024
3/29/2017							0.0058 (J)	0.017	
3/30/2017									
5/24/2017		0.0087 (J)							
6/5/2017						0.0747			
6/6/2017			0.0242		0.02				
6/7/2017	0.0273			0.0064 (J)			0.0062 (J)		
6/8/2017								0.0149	0.0317
6/9/2017									
9/22/2017					0.0179				
9/25/2017			0.0252						
9/26/2017	0.0236	0.0075 (J)		0.006 (J)		0.0338			
9/27/2017							0.0056 (J)	0.012	
9/29/2017									0.0265
3/14/2018	0.027	0.0064 (J)	0.021	0.0065 (J)	0.016				
3/15/2018						0.059	0.0057 (J)	0.011	0.029
9/12/2018	0.022	0.0075 (J)	0.025		0.017	0.032			



# Time Series

Constituent: Barium (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	0.0121
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	0.0117
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	0.0081 (J)
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	0.0106
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	0.0047 (J)
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	0.0071 (J)
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	0.0043 (J)
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	<0.01 (*)
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	0.004 (J)
3/14/2018	
3/15/2018	0.0032 (J)
9/12/2018	

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

9/13/2018	
9/14/2018	0.004 (J)
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	0.0033 (J)

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								<0.005	<0.005
3/11/2016				<0.005	<0.005				
3/14/2016	<0.005								
3/15/2016		<0.005	<0.005						
3/16/2016						<0.01	<0.005		
3/17/2016									
5/11/2016	<0.003	<0.003							
5/12/2016			<0.003						
5/13/2016					<0.003				
5/16/2016				<0.003		<0.003	<0.003		
5/17/2016									<0.003
5/18/2016								<0.003	
7/19/2016	<0.003				<0.003				
7/20/2016			<0.003						
7/21/2016		<0.003							
7/22/2016				0.0002 (J)					
7/25/2016						<0.003	<0.003		
7/27/2016								<0.003	0.0002 (J)
7/28/2016									
9/15/2016	<0.003	<0.003	<0.003						
9/16/2016					<0.003				
9/19/2016				0.0001 (J)		<0.003	<0.003		
9/20/2016								<0.003	0.0002 (J)
9/21/2016									
11/2/2016	<0.003				<0.003				
11/3/2016		<0.003	<0.003	0.0002 (J)		<0.003			
11/4/2016							<0.003		0.0002 (J)
11/7/2016								<0.003	
1/17/2017		<0.003		0.0001 (J)					
1/18/2017	<0.003		<0.003		<0.003				
1/19/2017						<0.003			
1/23/2017							<0.003	<0.003	<0.003
1/24/2017									
3/24/2017		<0.003	<0.003						
3/27/2017				0.0001 (J)					
3/28/2017	<0.003				<0.003	8E-05 (J)			0.0002 (J)
3/29/2017							<0.003	<0.003	
3/30/2017									
5/24/2017		<0.003							
6/5/2017						9E-05 (J)			
6/6/2017			<0.003		<0.003				
6/7/2017	<0.003			0.0001 (J)			<0.003		
6/8/2017								<0.003	0.0002 (J)
6/9/2017									
9/22/2017					<0.003				
9/25/2017			<0.003						
9/26/2017	<0.003	<0.003		0.0001 (J)		<0.003			
9/27/2017							<0.003	<0.003	
9/29/2017									0.0002 (J)
3/14/2018	<0.003	<0.003	<0.003	0.00014 (J)	<0.003				
3/15/2018						7.7E-05 (J)	<0.003	<0.003	0.00025 (J)
9/12/2018	<0.003	<0.003	<0.003		<0.003	<0.003			





# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.005
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.003
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	<0.003
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	<0.003
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	<0.003
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	<0.003
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	<0.003
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	<0.003
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	<0.003
3/14/2018	
3/15/2018	<0.003
9/12/2018	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

9/13/2018

9/14/2018

3/13/2019

3/14/2019

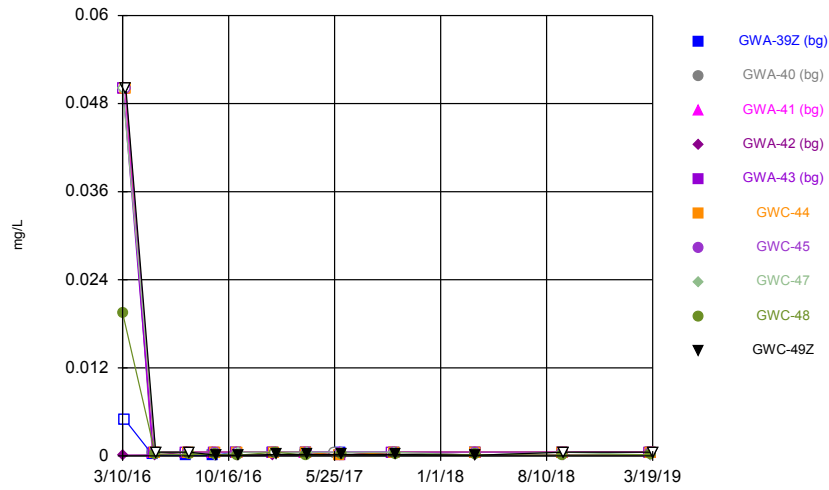
3/15/2019

3/19/2019

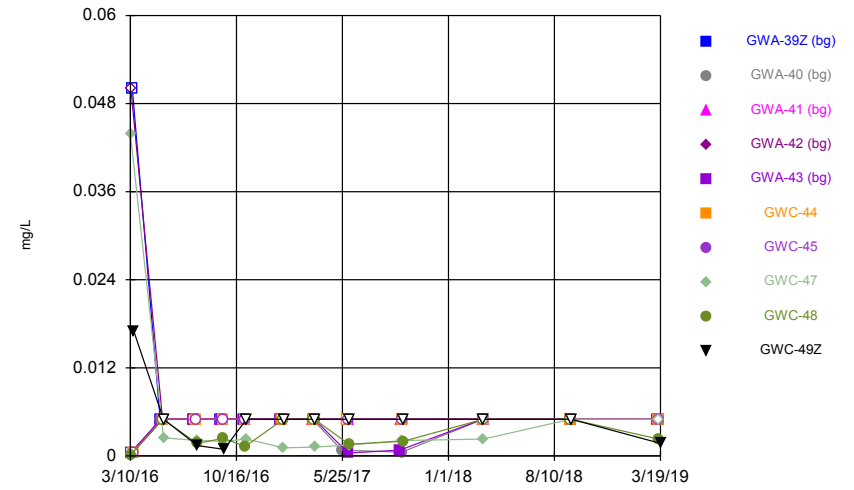
<0.003

<0.003

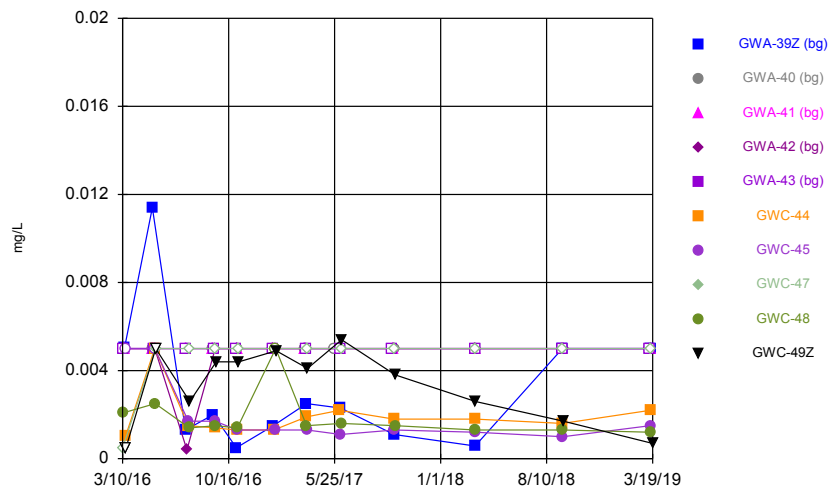
Time Series



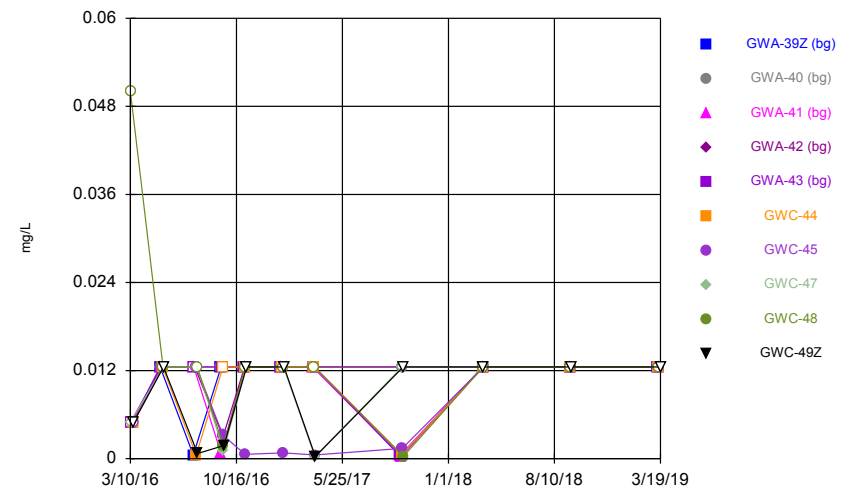
Time Series



Time Series



Time Series



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								<0.1	0.0195 (J)
3/11/2016				0.000121 (J)	<0.1				
3/14/2016	<0.01								
3/15/2016		<0.1	<0.1						
3/16/2016						<0.1	<0.1		
3/17/2016									
5/11/2016	0.000177 (J)	<0.001							
5/12/2016			<0.001						
5/13/2016					<0.001				
5/16/2016				0.000145 (J)		<0.001	<0.001		
5/17/2016									0.000251 (J)
5/18/2016								<0.001	
7/19/2016	0.0001 (J)				<0.001				
7/20/2016			<0.001						
7/21/2016		<0.001							
7/22/2016				<0.001					
7/25/2016						<0.001	<0.001		
7/27/2016								<0.001	0.0002 (J)
7/28/2016									
9/15/2016	8E-05 (J)	<0.001	<0.001						
9/16/2016					<0.001				
9/19/2016				0.0001 (J)		<0.001	<0.001		
9/20/2016								8E-05 (J)	0.0002 (J)
9/21/2016									
11/2/2016	<0.001				<0.001				
11/3/2016		<0.001	<0.001	8E-05 (J)		<0.001			
11/4/2016							<0.001		0.0001 (J)
11/7/2016								<0.001	
1/17/2017		<0.001		0.0001 (J)					
1/18/2017	<0.001		<0.001		<0.001				
1/19/2017						<0.001			
1/23/2017							<0.001	<0.001	<0.001
1/24/2017									
3/24/2017		<0.001	<0.001						
3/27/2017				0.0002 (J)					
3/28/2017	<0.001				<0.001	<0.001			0.0001 (J)
3/29/2017							<0.001	<0.001	
3/30/2017									
5/24/2017		<0.001							
6/5/2017						8E-05 (J)			
6/6/2017			<0.001		8E-05 (J)				
6/7/2017	<0.001			0.0001 (J)			<0.001		
6/8/2017								<0.001	0.0002 (J)
6/9/2017									
9/22/2017					<0.001				
9/25/2017			<0.001						
9/26/2017	<0.001	<0.001		<0.001		<0.001			
9/27/2017							<0.001	<0.001	
9/29/2017									0.0002 (J)
3/14/2018	<0.001	<0.001	<0.001	0.00011 (J)	<0.001				
3/15/2018						<0.001	<0.001	9.3E-05 (J)	0.00018 (J)
9/12/2018	<0.001	<0.001	<0.001		<0.001	<0.001			



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.1
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.001
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	<0.001
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	9E-05 (J)
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	0.0001 (J)
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	0.0002 (J)
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	0.0002 (J)
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	0.0002 (J)
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	0.0002 (J)
3/14/2018	
3/15/2018	0.0001 (J)
9/12/2018	

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

9/13/2018	
9/14/2018	<0.001
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	<0.001

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								0.0439 (J)	0.000148 (J)
3/11/2016				<0.1	<0.001				
3/14/2016	<0.1								
3/15/2016		<0.001	<0.001						
3/16/2016						<0.001	<0.001		
3/17/2016									
5/11/2016	<0.01	<0.01							
5/12/2016			<0.01						
5/13/2016					<0.01				
5/16/2016				<0.01		<0.01	<0.01		
5/17/2016									<0.01
5/18/2016								0.00248 (J)	
7/19/2016	<0.01				<0.01				
7/20/2016			<0.01						
7/21/2016		<0.01							
7/22/2016				<0.01					
7/25/2016						<0.01	<0.01		
7/27/2016								0.0021 (J)	0.0017 (J)
7/28/2016									
9/15/2016	<0.01	<0.01	<0.01						
9/16/2016					<0.01				
9/19/2016				<0.01		<0.01	<0.01		
9/20/2016								0.002 (J)	0.0024 (J)
9/21/2016									
11/2/2016	<0.01				<0.01				
11/3/2016		<0.01	<0.01	<0.01		<0.01			
11/4/2016							<0.01		0.0013 (J)
11/7/2016								0.0023 (J)	
1/17/2017		<0.01	<0.01	<0.01					
1/18/2017	<0.01		<0.01		<0.01				
1/19/2017						<0.01			
1/23/2017							<0.01	0.0011 (J)	<0.01
1/24/2017									
3/24/2017		<0.01 (*)	<0.01 (*)						
3/27/2017				<0.01					
3/28/2017	<0.01 (*)				<0.01 (*)	<0.01			<0.01 (*)
3/29/2017							<0.01	0.0012 (J)	
3/30/2017									
5/24/2017		0.0008 (J)							
6/5/2017						<0.01			
6/6/2017			<0.01		0.0004 (J)				
6/7/2017	<0.01			<0.01			<0.01		
6/8/2017								0.0015 (J)	0.0016 (J)
6/9/2017									
9/22/2017					0.0008 (J)				
9/25/2017			<0.01						
9/26/2017	<0.01	0.0005 (J)		<0.01		<0.01			
9/27/2017							<0.01	0.0021 (J)	
9/29/2017									0.002 (J)
3/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01				
3/15/2018						<0.01	<0.01	0.0023 (J)	<0.01
9/12/2018	<0.01	<0.01	<0.01		<0.01	<0.01			





# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	0.017 (J)
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.01
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	0.0014 (J)
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	0.0009 (J)
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	<0.01
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	<0.01
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	<0.01
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	<0.01
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	<0.01
3/14/2018	
3/15/2018	<0.01
9/12/2018	

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

9/13/2018	
9/14/2018	<0.01
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	0.0017 (J)

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								<0.001	0.00207 (J)
3/11/2016				<0.01	<0.01				
3/14/2016	0.00503 (J)								
3/15/2016		<0.01	<0.01						
3/16/2016						0.00101 (J)	<0.01		
3/17/2016									
5/11/2016	0.0114	<0.01							
5/12/2016			<0.01						
5/13/2016					<0.01				
5/16/2016				<0.01		<0.01	<0.01		
5/17/2016									0.0025 (J)
5/18/2016								<0.01	
7/19/2016	0.0013 (J)				<0.01				
7/20/2016			<0.01						
7/21/2016		<0.01							
7/22/2016				0.0004 (J)					
7/25/2016						0.0015 (J)	0.0017 (J)		
7/27/2016								<0.01	0.0014 (J)
7/28/2016									
9/15/2016	0.002 (J)	<0.01	<0.01						
9/16/2016					<0.01				
9/19/2016				<0.01		0.0014 (J)	0.0017 (J)		
9/20/2016								<0.01	0.0015 (J)
9/21/2016									
11/2/2016	0.0005 (J)				<0.01				
11/3/2016		<0.01	<0.01	<0.01		0.0013 (J)			
11/4/2016							0.0013 (J)		0.0014 (J)
11/7/2016								<0.01	
1/17/2017		<0.01		<0.01					
1/18/2017	0.0015 (J)		<0.01		<0.01				
1/19/2017						0.0013 (J)			
1/23/2017							0.0013 (J)	<0.01	<0.01
1/24/2017									
3/24/2017		<0.01	<0.01						
3/27/2017				<0.01					
3/28/2017	0.0025 (J)				<0.01	0.0019 (J)			0.0015 (J)
3/29/2017							0.0013 (J)	<0.01	
3/30/2017									
5/24/2017		<0.01							
6/5/2017						0.0022 (J)			
6/6/2017			<0.01		<0.01				
6/7/2017	0.0023 (J)			<0.01			0.0011 (J)		
6/8/2017								<0.01	0.0016 (J)
6/9/2017									
9/22/2017					<0.01				
9/25/2017			<0.01						
9/26/2017	0.0011 (J)	<0.01		<0.01		0.0018 (J)			
9/27/2017							0.0013 (J)	<0.01	
9/29/2017									0.0015 (J)
3/14/2018	0.00058 (J)	<0.01	<0.01	<0.01	<0.01				
3/15/2018						0.0018 (J)	0.0012 (J)	<0.01	0.0013 (J)
9/12/2018	<0.01	<0.01	<0.01		<0.01	0.0016 (J)			



# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.001
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.01
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	0.0026 (J)
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	0.0044 (J)
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	0.0044 (J)
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	0.0049 (J)
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	0.0041 (J)
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	0.0054 (J)
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	0.0038 (J)
3/14/2018	
3/15/2018	0.0026 (J)
9/12/2018	

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

9/13/2018	
9/14/2018	0.0017 (J)
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	0.00069 (J)





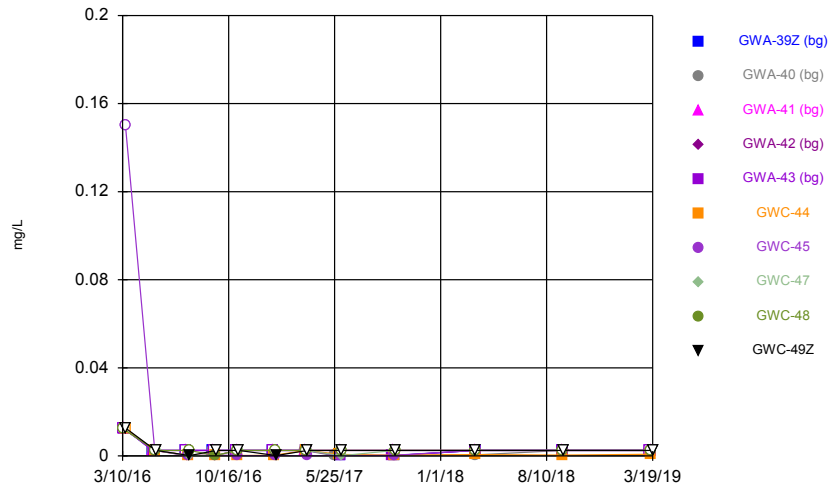
# Time Series

Constituent: Copper (mg/L) Analysis Run 4/26/2019 11:48 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

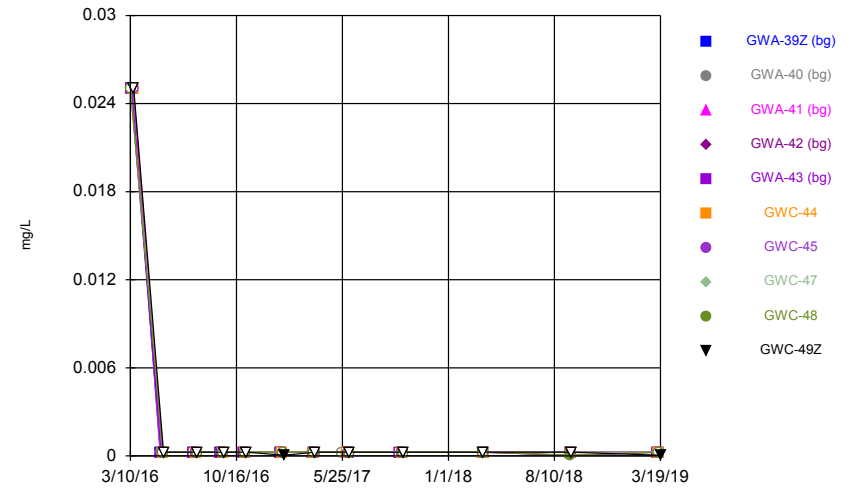
3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.01
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.025
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	0.0007 (J)
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	0.0018 (J)
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	<0.025
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	<0.025
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	0.0003 (J)
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	<0.025
3/14/2018	
3/15/2018	<0.025
9/12/2018	
9/13/2018	
9/14/2018	<0.025
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	<0.025

Time Series



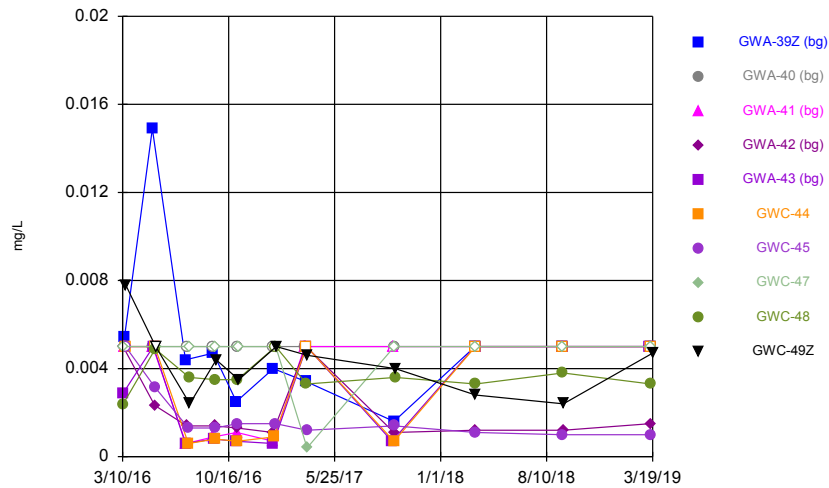
Constituent: Lead Analysis Run 4/26/2019 11:43 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



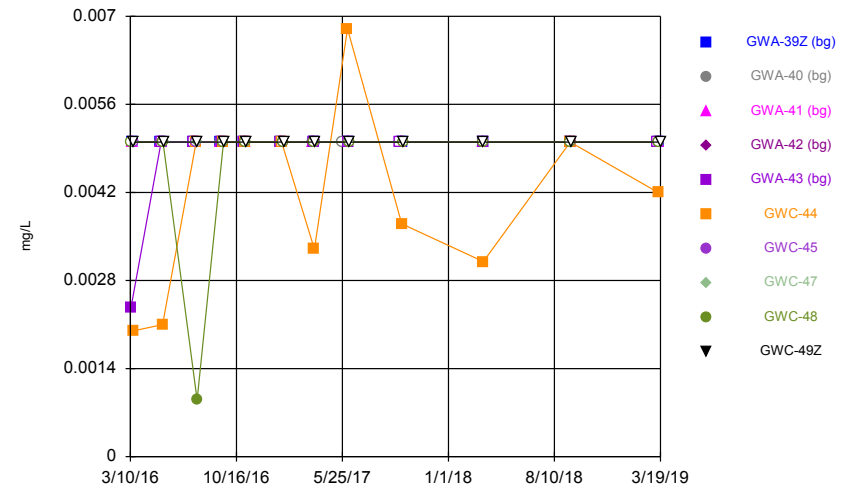
Constituent: Mercury Analysis Run 4/26/2019 11:43 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Nickel Analysis Run 4/26/2019 11:44 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Selenium Analysis Run 4/26/2019 11:44 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								<0.025	<0.025
3/11/2016				<0.025	<0.025				
3/14/2016	<0.025								
3/15/2016		<0.025	<0.025						
3/16/2016						<0.025	<0.3		
3/17/2016									
5/11/2016	<0.005	<0.005							
5/12/2016			<0.005						
5/13/2016					<0.005				
5/16/2016				<0.005		<0.005	<0.005		
5/17/2016									<0.005
5/18/2016								<0.005	
7/19/2016	<0.005				<0.005				
7/20/2016			<0.005						
7/21/2016		<0.005							
7/22/2016				0.0001 (J)					
7/25/2016						0.0003 (J)	0.0002 (J)		
7/27/2016								9E-05 (J)	<0.005
7/28/2016									
9/15/2016	<0.005	<0.005	<0.005						
9/16/2016					<0.005				
9/19/2016				0.0002 (J)		0.0002 (J)	0.0004 (J)		
9/20/2016								0.0003 (J)	0.0002 (J)
9/21/2016									
11/2/2016	<0.005				<0.005				
11/3/2016		<0.005	<0.005	<0.005		0.0002 (J)			
11/4/2016							0.0002 (J)		<0.005
11/7/2016								<0.005	
1/17/2017		<0.005	<0.005	<0.005					
1/18/2017	<0.005		<0.005		<0.005				
1/19/2017						0.0003 (J)			
1/23/2017							0.0001 (J)	<0.005	<0.005
1/24/2017									
3/24/2017		<0.005 (*)	<0.005						
3/27/2017				<0.005					
3/28/2017	<0.005 (*)				<0.005	<0.005 (*)			<0.005 (*)
3/29/2017							0.0001 (J)	<0.005	
3/30/2017									
5/24/2017		0.0001 (J)							
6/5/2017						0.0007 (J)			
6/6/2017			<0.005		7E-05 (J)				
6/7/2017	8E-05 (J)			<0.005			0.0001 (J)		
6/8/2017								0.0001 (J)	<0.005
6/9/2017									
9/22/2017					8E-05 (J)				
9/25/2017			<0.005						
9/26/2017	0.0002 (J)	0.0001 (J)		<0.005		0.0004 (J)			
9/27/2017							0.0003 (J)	<0.005	
9/29/2017									<0.005
3/14/2018	<0.005	0.00046 (J)	<0.005	<0.005	<0.005				
3/15/2018						0.00064 (J)	<0.005	<0.005	<0.005
9/12/2018	<0.005	<0.005	<0.005		<0.005	0.00037 (J)			



# Time Series

Constituent: Lead (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.025
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.005
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	0.0002 (J)
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	<0.005 (*)
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	<0.005
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	0.0002 (J)
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	<0.005
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	<0.005
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	<0.005
3/14/2018	
3/15/2018	<0.005
9/12/2018	

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

9/13/2018

9/14/2018

3/13/2019

3/14/2019

3/15/2019

3/19/2019

<0.005

<0.005

# Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								<0.05	<0.05
3/11/2016				<0.05	<0.05				
3/14/2016	<0.05								
3/15/2016		<0.05	<0.05						
3/16/2016						<0.05	<0.05		
3/17/2016									
5/11/2016	<0.0005	<0.0005							
5/12/2016			<0.0005						
5/13/2016					<0.0005				
5/16/2016				<0.0005		<0.0005	<0.0005		
5/17/2016									<0.0005
5/18/2016								<0.0005	
7/19/2016	<0.0005				<0.0005				
7/20/2016			<0.0005						
7/21/2016		<0.0005							
7/22/2016				<0.0005					
7/25/2016						<0.0005	<0.0005		
7/27/2016								<0.0005	<0.0005
7/28/2016									
9/15/2016	<0.0005	<0.0005	<0.0005						
9/16/2016					<0.0005				
9/19/2016				<0.0005		<0.0005	<0.0005		
9/20/2016								<0.0005	<0.0005
9/21/2016									
11/2/2016	<0.0005				<0.0005				
11/3/2016		<0.0005	<0.0005	<0.0005		<0.0005			
11/4/2016							<0.0005		<0.0005
11/7/2016								<0.0005	
1/17/2017		<0.0005	<0.0005	<0.0005					
1/18/2017	<0.0005		<0.0005		<0.0005				
1/19/2017						<0.0005			
1/23/2017							<0.0005	<0.0005	<0.0005
1/24/2017									
3/24/2017		<0.0005	<0.0005						
3/27/2017				<0.0005					
3/28/2017	<0.0005				<0.0005	<0.0005			<0.0005
3/29/2017							<0.0005 (*)	<0.0005 (*)	
3/30/2017									
5/24/2017		<0.0005							
6/5/2017						<0.0005			
6/6/2017			<0.0005		<0.0005				
6/7/2017	<0.0005			<0.0005			<0.0005		
6/8/2017								<0.0005	<0.0005
6/9/2017									
9/22/2017					<0.0005				
9/25/2017			<0.0005						
9/26/2017	<0.0005	<0.0005		<0.0005		<0.0005			
9/27/2017							<0.0005	<0.0005	
9/29/2017									<0.0005
3/14/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
3/15/2018						<0.0005	<0.0005	<0.0005	<0.0005
9/12/2018	<0.0005	3.8E-05 (J)	<0.0005		<0.0005	<0.0005			





# Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.05
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.0005
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	<0.0005
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	<0.0005
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	<0.0005
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	5E-05 (J)
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	<0.0005 (*)
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	<0.0005
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	<0.0005
3/14/2018	
3/15/2018	<0.0005
9/12/2018	

# Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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	GWC-49Z
9/13/2018	
9/14/2018	<0.0005
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	4.5E-05 (J)



# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	0.00778 (J)
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.01
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	0.0024 (J)
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	0.0044 (J)
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	0.0035 (J)
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	0.005 (J)
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	0.0046 (J)
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	0.004 (J)
3/14/2018	
3/15/2018	0.0028 (J)
9/12/2018	
9/13/2018	
9/14/2018	0.0024 (J)
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	0.0047 (J)

# Time Series

Constituent: Selenium (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								<0.01	<0.01
3/11/2016				<0.01	0.00236 (J)				
3/14/2016	<0.01								
3/15/2016		<0.01	<0.01						
3/16/2016						0.002 (J)	<0.01		
3/17/2016									
5/11/2016	<0.01	<0.01							
5/12/2016			<0.01						
5/13/2016					<0.01				
5/16/2016				<0.01		0.0021 (J)	<0.01		
5/17/2016									<0.01
5/18/2016								<0.01	
7/19/2016	<0.01				<0.01				
7/20/2016			<0.01						
7/21/2016		<0.01							
7/22/2016				<0.01					
7/25/2016						<0.01	<0.01		
7/27/2016								<0.01	0.0009 (J)
7/28/2016									
9/15/2016	<0.01	<0.01	<0.01						
9/16/2016					<0.01				
9/19/2016				<0.01		<0.01	<0.01		
9/20/2016								<0.01	<0.01
9/21/2016									
11/2/2016	<0.01				<0.01				
11/3/2016		<0.01	<0.01	<0.01		<0.01			
11/4/2016							<0.01		<0.01
11/7/2016								<0.01	
1/17/2017		<0.01		<0.01					
1/18/2017	<0.01		<0.01		<0.01				
1/19/2017						<0.01			
1/23/2017							<0.01	<0.01	<0.01
1/24/2017									
3/24/2017		<0.01	<0.01						
3/27/2017				<0.01					
3/28/2017	<0.01				<0.01	0.0033 (J)			<0.01
3/29/2017							<0.01	<0.01	
3/30/2017									
5/24/2017		<0.01							
6/5/2017						0.0068 (J)			
6/6/2017			<0.01		<0.01				
6/7/2017	<0.01			<0.01			<0.01		
6/8/2017								<0.01	<0.01
6/9/2017									
9/22/2017					<0.01				
9/25/2017			<0.01						
9/26/2017	<0.01	<0.01		<0.01		0.0037 (J)			
9/29/2017									<0.01
3/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01				
3/15/2018						0.0031 (J)	<0.01	<0.01	<0.01
9/12/2018	<0.01	<0.01	<0.01		<0.01	<0.01			
9/13/2018							<0.01	<0.01	<0.01



# Time Series

Constituent: Selenium (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.01
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.01
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	<0.01
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	<0.01
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	<0.01
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	<0.01
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	<0.01
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	<0.01
9/22/2017	
9/25/2017	
9/26/2017	
9/29/2017	<0.01
3/14/2018	
3/15/2018	<0.01
9/12/2018	
9/13/2018	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

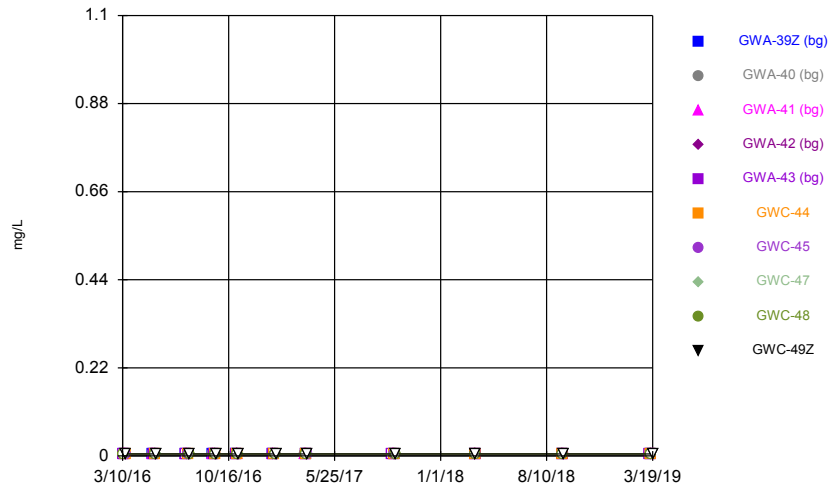
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GWC-49Z

9/14/2018	<0.01
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	<0.01

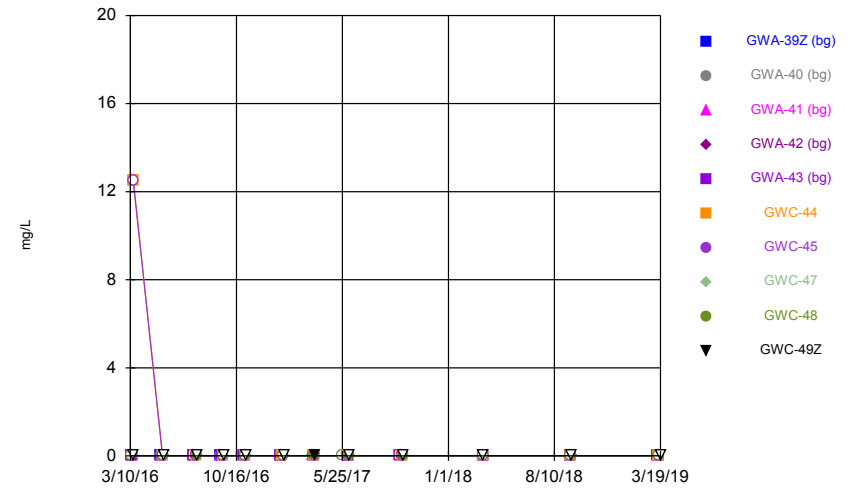


Time Series



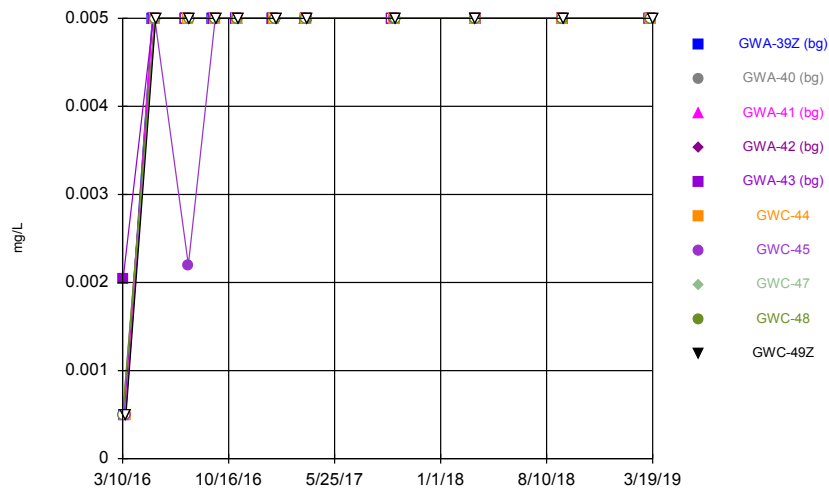
Constituent: Silver Analysis Run 4/26/2019 11:45 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



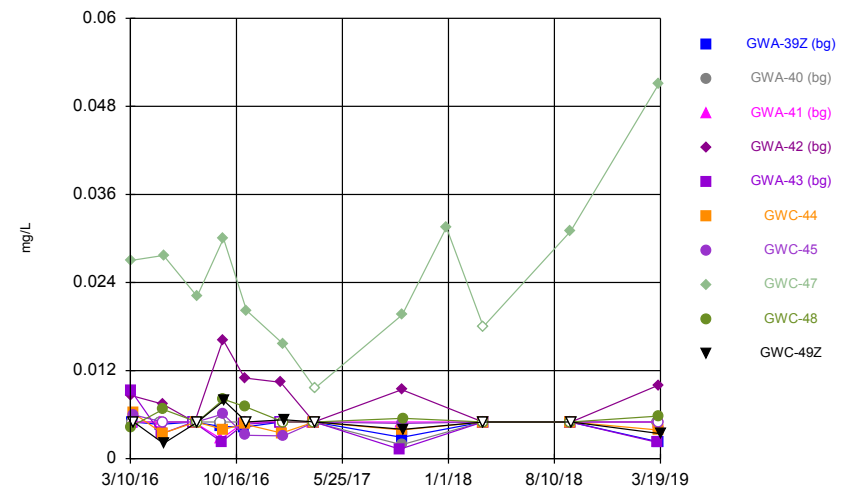
Constituent: Thallium Analysis Run 4/26/2019 11:45 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Vanadium Analysis Run 4/26/2019 11:45 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Zinc Analysis Run 4/26/2019 11:46 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR



# Time Series

Constituent: Silver (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.01
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.01
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	<0.01
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	<0.01
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	<0.01
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	<0.01
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	<0.01
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	<0.01
3/14/2018	
3/15/2018	<0.01
9/12/2018	
9/13/2018	
9/14/2018	<0.01
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	<0.01

# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								<0.01	<0.01
3/11/2016				<0.01	<0.01				
3/14/2016	<0.01								
3/15/2016		<0.01	<0.01						
3/16/2016						<25	<25		
3/17/2016									
5/11/2016	<0.001	<0.001							
5/12/2016			<0.001						
5/13/2016					<0.001				
5/16/2016				<0.001		<0.001	<0.001		
5/17/2016									<0.001
5/18/2016								<0.001	
7/19/2016	<0.001 (*)				<0.001 (*)				
7/20/2016			<0.001						
7/21/2016		<0.001							
7/22/2016				0.0002 (J)					
7/25/2016						<0.001	<0.001		
7/27/2016								9E-05 (J)	9E-05 (J)
7/28/2016									
9/15/2016	<0.001	<0.001	<0.001						
9/16/2016					<0.001				
9/19/2016				<0.001		<0.001	<0.001		
9/20/2016								<0.001	<0.001
9/21/2016									
11/2/2016	<0.001				<0.001				
11/3/2016		<0.001	<0.001	<0.001		<0.001			
11/4/2016							<0.001		<0.001
11/7/2016								<0.001	
1/17/2017		<0.001	<0.001	<0.001					
1/18/2017	<0.001		<0.001		<0.001				
1/19/2017						<0.001			
1/23/2017							<0.001	<0.001	<0.001
1/24/2017									
3/24/2017		<0.001	<0.001						
3/27/2017				<0.001					
3/28/2017	5E-05 (J)				5E-05 (J)	5E-05 (J)			6E-05 (J)
3/29/2017							<0.001	7E-05 (J)	
3/30/2017									
5/24/2017		<0.001							
6/5/2017						5E-05 (J)			
6/6/2017			<0.001		<0.001				
6/7/2017	<0.001			<0.001			<0.001		
6/8/2017								<0.001	8E-05 (J)
6/9/2017									
9/22/2017					<0.001				
9/25/2017			<0.001						
9/26/2017	7E-05 (J)	<0.001		<0.001		<0.001			
9/27/2017							<0.001	6E-05 (J)	
9/29/2017									9E-05 (J)
3/14/2018	<0.001	<0.001	<0.001	<0.001	<0.001				
3/15/2018						<0.001	<0.001	<0.001	<0.001
9/12/2018	<0.001	<0.001	<0.001		<0.001	<0.001			



# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.01
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.001
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	<0.001
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	<0.001
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	<0.001
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	<0.001
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	5E-05 (J)
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	<0.001
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	<0.001
3/14/2018	
3/15/2018	<0.001
9/12/2018	

# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/26/2019 11:49 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

9/13/2018	
9/14/2018	<0.001
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	<0.001





# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/26/2019 11:50 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.001
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.01
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	<0.01
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	<0.01
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	<0.01
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	<0.01
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	<0.01
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	<0.01
3/14/2018	
3/15/2018	<0.01
9/12/2018	
9/13/2018	
9/14/2018	<0.01
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	<0.01

# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/26/2019 11:50 AM View: cell 9&10 metals overburden  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								0.027	0.00432 (J)
3/11/2016				0.00862 (J)	0.0093 (J)				
3/14/2016	<0.01								
3/15/2016		<0.01	<0.01						
3/16/2016						0.00622 (J)	0.00599 (J)		
3/17/2016									
5/11/2016	0.00467 (J)	<0.01							
5/12/2016			<0.01						
5/13/2016					0.00336 (J)				
5/16/2016				0.00744 (J)		0.00345 (J)	<0.01		
5/17/2016									0.00672 (J)
5/18/2016								0.0277	
7/19/2016	<0.01 (*)				<0.01 (*)				
7/20/2016			<0.01						
7/21/2016		<0.01 (*)							
7/22/2016				<0.01 (*)					
7/25/2016						<0.01 (*)	<0.01 (*)		
7/27/2016								0.0221	<0.01 (*)
7/28/2016									
9/15/2016	0.0044 (J)	<0.01	0.0027 (J)						
9/16/2016					0.0023 (J)				
9/19/2016				0.0162		0.004 (J)	0.0061 (J)		
9/20/2016								0.03	0.0081 (J)
9/21/2016									
11/2/2016	0.0043 (J)				0.0047 (J)				
11/3/2016		<0.01	<0.01	0.011		0.0047 (J)			
11/4/2016							0.0032 (J)		0.0071 (J)
11/7/2016								0.0202	
1/17/2017		<0.01		0.0104					
1/18/2017	<0.01 (*)		<0.01 (*)		<0.01				
1/19/2017						0.0035 (J)			
1/23/2017							0.0031 (J)	0.0156	<0.01
1/24/2017									
3/24/2017		<0.01 (*)	<0.01 (*)						
3/27/2017				<0.01 (*)					
3/28/2017	<0.01 (*)				<0.01 (*)	<0.01 (*)			<0.01 (*)
3/29/2017							<0.01 (*)	<0.0192 (*)	
3/30/2017									
9/22/2017					0.0013 (J)				
9/25/2017			<0.01						
9/26/2017	0.0029 (J)	0.0019 (J)		0.0094 (J)		0.0039 (J)			
9/27/2017							0.0048 (J)	0.0196	
9/29/2017									0.0055 (J)
12/28/2017								0.0315 (Y)	
3/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01				
3/15/2018						<0.01	<0.01	<0.036	<0.01
9/12/2018	<0.01	<0.01	<0.01		<0.01	<0.01			
9/13/2018							<0.01	0.031	<0.01
9/14/2018				<0.01					
3/13/2019		<0.01			0.0022 (J)				
3/14/2019			<0.01	0.01		0.0039 (J)	<0.01		
3/15/2019	0.0023 (J)							0.051	0.0058 (J)

# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/26/2019 11:50 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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3/19/2019	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
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# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/26/2019 11:50 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z	
3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.01
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	0.00208 (J)
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	<0.01 (*)
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	0.0079 (J)
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	<0.01 (*)
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	0.0053 (J)
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	<0.01 (*)
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	0.004 (J)
12/28/2017	
3/14/2018	
3/15/2018	<0.01
9/12/2018	
9/13/2018	
9/14/2018	<0.01
3/13/2019	
3/14/2019	
3/15/2019	

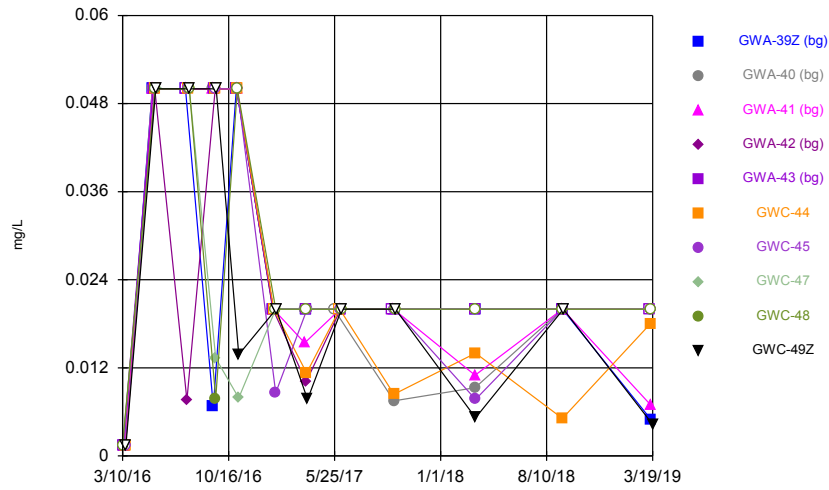
# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/26/2019 11:50 AM View: cell 9&10 metals overburden  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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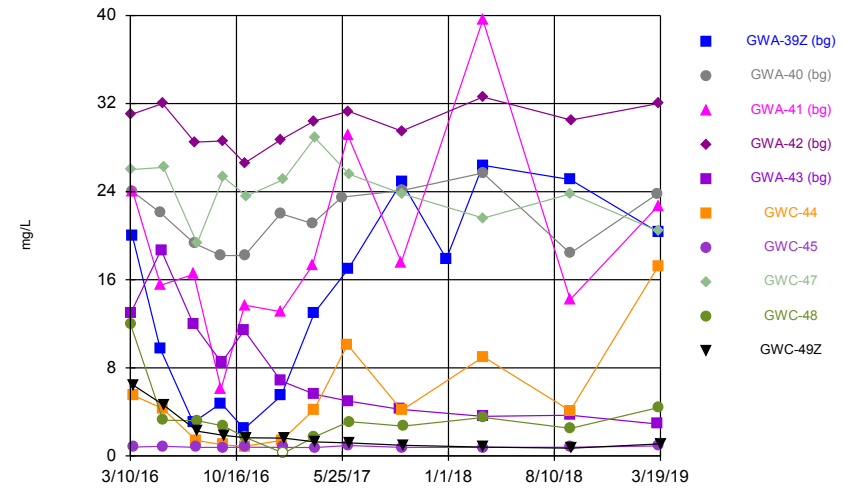
	GWC-49Z
3/19/2019	0.0034 (J)

Time Series



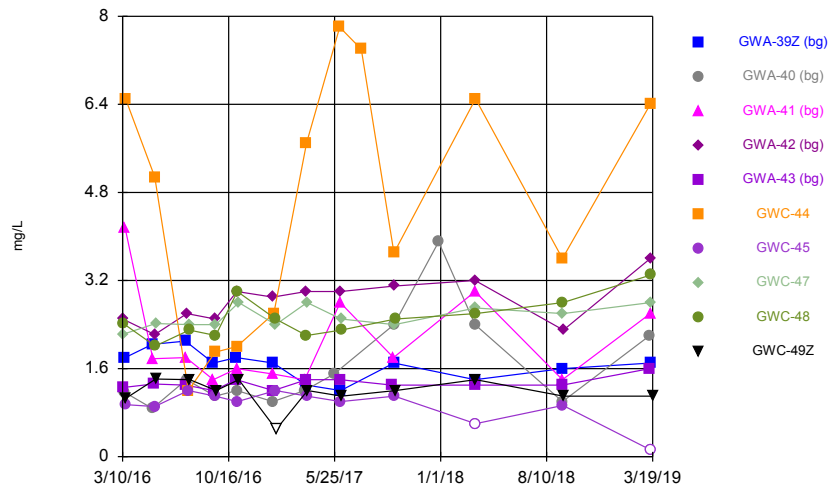
Constituent: Boron Analysis Run 4/26/2019 11:32 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



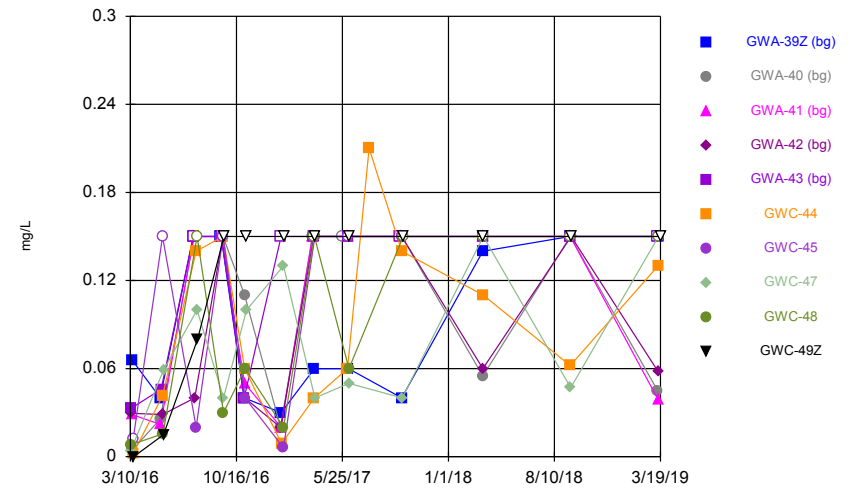
Constituent: Calcium Analysis Run 4/26/2019 11:33 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Chloride Analysis Run 4/26/2019 11:33 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Fluoride Analysis Run 4/26/2019 11:33 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								<0.003	<0.003
3/11/2016				<0.003	<0.003				
3/14/2016	<0.003								
3/15/2016		<0.003	<0.003						
3/16/2016						<0.003	<0.003		
3/17/2016									
5/11/2016	<0.1	<0.1							
5/12/2016			<0.1						
5/13/2016					<0.1				
5/16/2016				<0.1		<0.1	<0.1		
5/17/2016									<0.1
5/18/2016								<0.1	
7/19/2016	<0.1 (*)				<0.1 (*)				
7/20/2016			<0.1						
7/21/2016		<0.1							
7/22/2016				0.0076 (J)					
7/25/2016						<0.1	<0.1		
7/27/2016								<0.1 (*)	<0.1 (*)
7/28/2016									
9/15/2016	0.0067 (J)	<0.1	<0.1						
9/16/2016					<0.1				
9/19/2016				<0.1		<0.1	<0.1		
9/20/2016								0.0133 (J)	0.0078 (J)
9/21/2016									
11/2/2016	<0.1				<0.1				
11/3/2016		<0.1 (*)	<0.1	<0.1		<0.1			
11/4/2016							<0.1		<0.1
11/7/2016								0.0079 (J)	
1/17/2017		<0.04		<0.04					
1/18/2017	<0.04		<0.04		<0.04				
1/19/2017						<0.04			
1/23/2017							0.0086 (J)	<0.04	<0.04
1/24/2017									
3/24/2017		<0.04	0.0154 (J)						
3/27/2017				0.0101 (J)					
3/28/2017	<0.04				<0.04	0.0113 (J)			<0.04
3/29/2017							<0.04	<0.04	
3/30/2017									
5/24/2017		<0.04							
6/5/2017						<0.04 (*)			
6/6/2017			<0.04		<0.04 (*)				
6/7/2017	<0.04 (*)			<0.04 (*)			<0.04 (*)		
6/8/2017								<0.04	<0.04
6/9/2017									
9/22/2017					<0.04				
9/25/2017			<0.04						
9/26/2017	<0.04	0.0075 (J)		<0.04		0.0084 (J)			
9/27/2017							<0.04	<0.04	
9/29/2017									<0.04
3/14/2018	<0.04	0.0093 (J)	0.011 (J)	<0.04	<0.04				
3/15/2018						0.014 (J)	0.0077 (J)	<0.04	<0.04
9/12/2018	<0.04	<0.04	<0.04		<0.04	0.0051 (J)			





# Time Series

Constituent: Boron (mg/L) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	<0.003
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	<0.1
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	<0.1 (*)
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	<0.1 (*)
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	0.0138 (J)
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	<0.04
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	0.0077 (J)
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	<0.04
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	<0.04
3/14/2018	
3/15/2018	0.0052 (J)
9/12/2018	

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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	GWC-49Z
9/13/2018	
9/14/2018	<0.04
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	0.0043 (J)

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								26	12
3/11/2016				31	13				
3/14/2016	20								
3/15/2016		24	24						
3/16/2016						5.5	0.8		
3/17/2016									
5/11/2016	9.76	22.1							
5/12/2016			15.5						
5/13/2016					18.7				
5/16/2016				32		4.3	0.877		
5/17/2016									3.25
5/18/2016								26.2	
7/19/2016	3.04				12				
7/20/2016			16.5						
7/21/2016		19.3							
7/22/2016				28.5					
7/25/2016						1.41	0.781		
7/27/2016								19.3	3.2
7/28/2016									
9/15/2016	4.78	18.2	6.1						
9/16/2016					8.48				
9/19/2016				28.6		1.01	0.775		
9/20/2016								25.3	2.72
9/21/2016									
11/2/2016	2.46				11.4				
11/3/2016		18.2	13.7	26.6		0.884			
11/4/2016							0.792		1.69
11/7/2016								23.6	
1/17/2017		22		28.7					
1/18/2017	5.46		13.1		6.81				
1/19/2017						1.41			
1/23/2017							0.782	25.1	<0.5
1/24/2017									
3/24/2017		21.1	17.3						
3/27/2017				30.4					
3/28/2017	13				5.61	4.23			1.72
3/29/2017							0.756	28.9	
3/30/2017									
5/24/2017		23.5							
6/5/2017						10.1			
6/6/2017			29.1		4.99				
6/7/2017	17			31.3			0.944		
6/8/2017								25.6	3.11
6/9/2017									
9/22/2017					4.24				
9/25/2017			17.6						
9/26/2017	24.9	24.1		29.5		4.14			
9/27/2017							0.773	23.8	
9/29/2017									2.71
12/28/2017	17.9 (Y)								
3/14/2018	26.4	25.7	39.6	32.6	3.6				
3/15/2018						9	0.77	21.6 (J)	3.5



# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	6.4
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	4.63
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	2.25
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	1.86
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	1.65
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	1.62
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	1.27
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	1.18
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	0.967
12/28/2017	
3/14/2018	
3/15/2018	0.81

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

9/12/2018	
9/13/2018	
9/14/2018	0.7
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	1.1

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								2.2206	2.4266
3/11/2016				2.4984	1.2562				
3/14/2016	1.795								
3/15/2016		1.1671	4.1666						
3/16/2016						6.505	0.9445		
3/17/2016									
5/11/2016	2.04	0.8763							
5/12/2016			1.78						
5/13/2016					1.32				
5/16/2016				2.22		5.08	0.9104		
5/17/2016									2.01
5/18/2016								2.42	
7/19/2016	2.1				1.3				
7/20/2016			1.8						
7/21/2016		1.4							
7/22/2016				2.6					
7/25/2016						1.2	1.2		
7/27/2016								2.4	2.3
7/28/2016									
9/15/2016	1.7		1.4						
9/16/2016					1.2				
9/19/2016		1.1		2.5		1.9	1.1		
9/20/2016								2.4	2.2
9/21/2016									
11/2/2016	1.8				1.4				
11/3/2016		1.2	1.6	3		2			
11/4/2016							1		3
11/7/2016								2.8	
1/17/2017		1		2.9					
1/18/2017	1.7		1.5		1.2				
1/19/2017						2.6			
1/23/2017							1.2	2.4	2.5
1/24/2017									
3/24/2017		1.2	1.4						
3/27/2017				3					
3/28/2017	1.3				1.4	5.7			2.2
3/29/2017							1.1	2.8	
3/30/2017									
5/24/2017		1.5							
6/5/2017						7.8			
6/6/2017			2.8		1.4				
6/7/2017	1.2			3			1		
6/8/2017								2.5	2.3
6/9/2017									
7/20/2017						7.4			
9/22/2017					1.3				
9/25/2017			1.8						
9/26/2017	1.7	2.4		3.1		3.7			
9/27/2017							1.1	2.4	
9/29/2017									2.5
12/28/2017		3.9 (Y)							
3/14/2018	1.4	2.4	3	3.2	1.3				





# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	1.0624
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	1.41
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	1.4
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	1.2
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	1.4
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	<0.99 (*)
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	1.2
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	1.1
7/20/2017	
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	1.2
12/28/2017	
3/14/2018	

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

3/15/2018	1.4
9/12/2018	
9/13/2018	
9/14/2018	1.1
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	1.1

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								0.00337 (J)	0.00797 (J)
3/11/2016				0.0296 (J)	0.0329 (J)				
3/14/2016	0.0657 (J)								
3/15/2016		<0.01	0.0285 (J)						
3/16/2016						0.00218 (J)	<0.025		
3/17/2016									
5/11/2016	0.0401 (J)	0.0255 (J)							
5/12/2016			0.022 (J)						
5/13/2016					0.0459 (J)				
5/16/2016				0.0287 (J)		0.0415 (J)	<0.3		
5/17/2016									0.0156 (J)
5/18/2016								0.059 (J)	
7/19/2016	<0.3				<0.3				
7/20/2016			<0.3						
7/21/2016		<0.3							
7/22/2016				0.04 (J)					
7/25/2016						0.14 (J)	0.02 (J)		
7/27/2016								0.1 (J)	<0.3
7/28/2016									
9/15/2016	<0.3		<0.3						
9/16/2016					<0.3				
9/19/2016		<0.3		<0.3		<0.3	<0.3		
9/20/2016								0.04 (J)	0.03 (J)
9/21/2016									
11/2/2016	0.04 (J)				0.04 (J)				
11/3/2016		0.11 (J)	0.05 (J)	0.04 (J)		0.06 (J)			
11/4/2016							0.04 (J)		0.06 (J)
11/7/2016								0.1 (J)	
1/17/2017		0.02 (J)		0.02 (J)					
1/18/2017	0.03 (J)		0.02 (J)		<0.3				
1/19/2017						0.009 (J)			
1/23/2017							0.006 (J)	0.13 (J)	0.02 (J)
1/24/2017									
3/24/2017		<0.3	<0.3						
3/27/2017				<0.3					
3/28/2017	0.06 (J)				<0.3	0.04 (J)			<0.3
3/29/2017							<0.3	0.04 (J)	
3/30/2017									
5/24/2017		<0.3							
6/5/2017						0.06 (J)			
6/6/2017			<0.3		<0.3				
6/7/2017	0.06 (J)			<0.3			<0.3		
6/8/2017								0.05 (J)	0.06 (J)
6/9/2017									
7/20/2017						0.21 (J)			
9/22/2017					<0.3				
9/25/2017			<0.3						
9/26/2017	0.04 (J)	<0.3		<0.3		0.14 (J)			
9/27/2017							<0.3	0.04 (J)	
9/29/2017									<0.3
3/14/2018	0.14 (J)	0.055 (J)	<0.3	0.06 (J)	<0.3				
3/15/2018						0.11 (J)	<0.3	<0.3	<0.3



# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	0 (J)
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	0.015 (J)
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	0.08 (J)
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	<0.3
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	<0.3
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	<0.3
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	<0.3
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	<0.3
7/20/2017	
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	<0.3
3/14/2018	
3/15/2018	<0.3

# Time Series

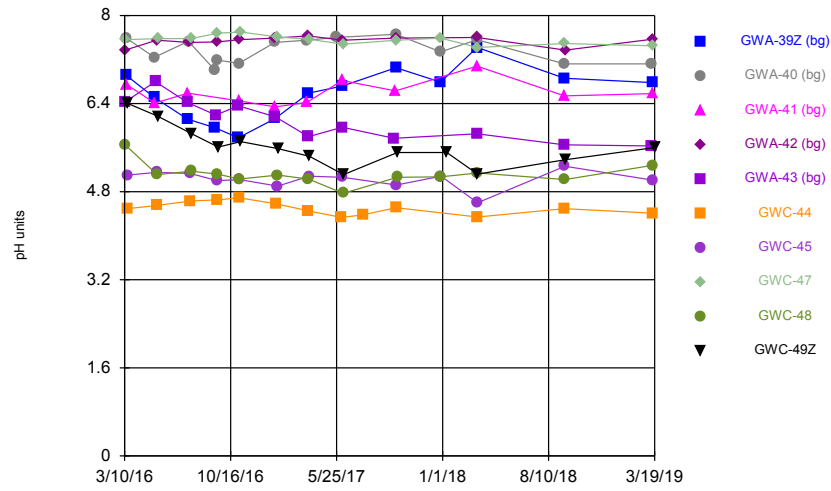
Constituent: Fluoride (mg/L) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

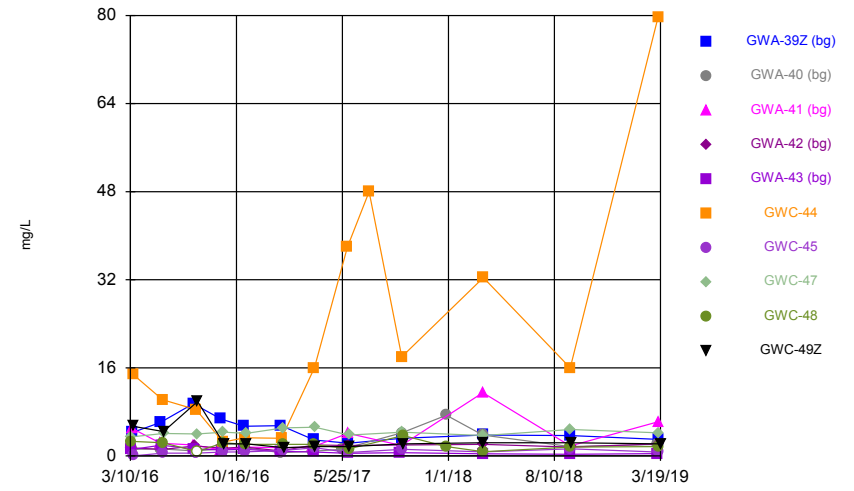
9/12/2018	
9/13/2018	
9/14/2018	<0.3
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	<0.3

Time Series



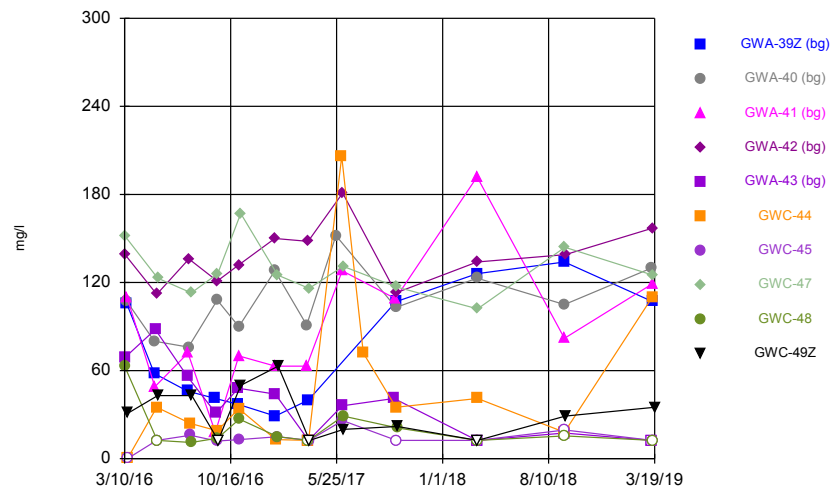
Constituent: pH Analysis Run 4/26/2019 11:34 AM View: cell 9&10 overburden app III  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Sulfate Analysis Run 4/26/2019 11:34 AM View: cell 9&10 overburden app III  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 4/26/2019 11:35 AM View: cell 9&10 overburden app III  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

# Time Series

Constituent: pH (pH units) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								7.56	5.66
3/11/2016				7.37	6.43				
3/14/2016	6.91								
3/15/2016		7.58	6.74						
3/16/2016						4.49	5.1		
3/17/2016									
5/11/2016	6.51	7.24							
5/12/2016			6.41						
5/13/2016					6.8				
5/16/2016				7.55		4.55	5.15		
5/17/2016									5.11
5/18/2016								7.58	
7/19/2016	6.12				6.42				
7/20/2016			6.59						
7/21/2016		7.53							
7/22/2016				7.51					
7/25/2016						4.63	5.13		
7/27/2016								7.58	5.17
7/28/2016									
9/15/2016	5.96	7							
9/16/2016					6.19				
9/19/2016		7.19		7.52		4.65	5		
9/20/2016								7.68	5.12
9/21/2016									
11/2/2016	5.78				6.36				
11/3/2016		7.13	6.45	7.56		4.69			
11/4/2016							5.02		5.03
11/7/2016								7.7	
1/17/2017		7.51		7.59					
1/18/2017	6.13		6.34		6.16				
1/19/2017						4.58			
1/23/2017							4.9	7.61	5.1
1/24/2017									
3/24/2017		7.55	6.42						
3/27/2017				7.63					
3/28/2017	6.59				5.8	4.45			5.03
3/29/2017							5.08	7.57	
3/30/2017									
5/24/2017		7.6							
6/5/2017						4.33			
6/6/2017			6.82		5.97				
6/7/2017	6.72			7.55			5.06		
6/8/2017								7.48	4.77
6/9/2017									
7/20/2017						4.38			
9/22/2017					5.77				
9/25/2017			6.63						
9/26/2017	7.05	7.66		7.59		4.51			
9/27/2017							4.92	7.55	
9/29/2017									5.06
12/28/2017	6.79 (Y)	7.34 (Y)						7.59 (Y)	5.07 (Y)
12/29/2017							5.08 (Y)		





# Time Series

Constituent: pH (pH units) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	6.4
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	6.17
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	5.85
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	5.61
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	5.71
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	5.58
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	5.44
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	5.11
7/20/2017	
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	5.51
12/28/2017	
12/29/2017	

# Time Series

Constituent: pH (pH units) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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	GWC-49Z
1/10/2018	5.51 (Y)
3/14/2018	
3/15/2018	5.12
9/12/2018	
9/13/2018	
9/14/2018	5.38
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	5.6

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/26/2019 11:36 AM View: cell 9&10 overburden app III  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								3.4409	2.6569
3/11/2016				1.4538	1.1313				
3/14/2016	4.2598								
3/15/2016		1.2104	4.9347						
3/16/2016						14.7828	0.00424 (J)		
3/17/2016									
5/11/2016	6.05	1.28							
5/12/2016			2.3						
5/13/2016					1.96				
5/16/2016				1.18		10.2	0.5151 (J)		
5/17/2016									2.39
5/18/2016								4.09	
7/19/2016	9.5				1.3				
7/20/2016			2						
7/21/2016		0.91 (J)							
7/22/2016				1.8					
7/25/2016						8.4	<1 (*)		
7/27/2016								4	<1.6 (*)
7/28/2016									
9/15/2016	6.7		1.1						
9/16/2016					1.1				
9/19/2016		1.3		1.4		2.5	0.72 (J)		
9/20/2016								4.3	2.4
9/21/2016									
11/2/2016	5.4				1.2				
11/3/2016		1.5	1.6	1.6		3.3			
11/4/2016							0.75 (J)		2.1
11/7/2016								4.1	
1/17/2017		<1.2 (*)		<1.8 (*)					
1/18/2017	5.5		1.5		0.84 (J)				
1/19/2017						3.2			
1/23/2017							0.99 (J)	5.1	2.1
1/24/2017									
3/24/2017		0.86 (J)	1.6						
3/27/2017				2					
3/28/2017	2.9				0.7 (J)	16 (J)			2.1
3/29/2017							1.5	5.2	
3/30/2017									
5/24/2017		1.2							
6/5/2017						38			
6/6/2017			4.1		0.47 (J)				
6/7/2017	2.3			1.9			0.63 (J)		
6/8/2017								3.8	1.3
6/9/2017									
7/20/2017						48			
9/22/2017					0.59 (J)				
9/25/2017			1.9						
9/26/2017	3.2	4.2		2		18			
9/27/2017							1.2	4.3	
9/29/2017									3.7
12/28/2017		7.4 (Y)							1.7 (Y)
3/14/2018	3.8	3.8	11.5	2.1	0.39 (J)				



# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/26/2019 11:37 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	5.3658
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	4.44
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	9.9
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	2.2
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	2.2
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	1.5
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	1.7
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	1.7
7/20/2017	
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	2.2
12/28/2017	
3/14/2018	

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/26/2019 11:37 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

3/15/2018	2.4
9/12/2018	
9/13/2018	
9/14/2018	2.4
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	2.2

# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/26/2019 11:37 AM View: cell 9&10 overburden app III

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-42 (bg)	GWA-43 (bg)	GWC-44	GWC-45	GWC-47	GWC-48
3/10/2016								152	63
3/11/2016				139	69				
3/14/2016	106								
3/15/2016		107	110						
3/16/2016						<0.01	<0.01		
3/17/2016									
5/11/2016	58	80							
5/12/2016			49						
5/13/2016					88				
5/16/2016				112		35	<25		
5/17/2016									<25
5/18/2016								123	
7/19/2016	46				56				
7/20/2016			72						
7/21/2016		76							
7/22/2016				136					
7/25/2016						24 (J)	16 (J)		
7/27/2016								113	11 (J)
7/28/2016									
9/15/2016	41		18 (J)						
9/16/2016					31				
9/19/2016		108		121		19 (J)	12 (J)		
9/20/2016								126	14 (J)
9/21/2016									
11/2/2016	37				48				
11/3/2016		90	70	132		34			
11/4/2016							13 (J)		27
11/7/2016								167	
1/17/2017		128		150					
1/18/2017	29		63		44				
1/19/2017						13 (J)			
1/23/2017							15 (J)	125	15 (J)
1/24/2017									
3/24/2017		91	63						
3/27/2017				148					
3/28/2017	40				<25	<25			<25
3/29/2017							<25	116	
3/30/2017									
5/24/2017		152							
6/5/2017						206			
6/6/2017			128		36				
6/7/2017				181			26		
6/8/2017								131	29
6/9/2017									
7/20/2017						72			
9/22/2017					41				
9/25/2017			109						
9/26/2017	107	103		113		35			
9/27/2017							<25	117	
9/29/2017									21 (J)
3/14/2018	126	123	192	134	<25				
3/15/2018						41	<25	102	<25





# Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/26/2019 11:37 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

GWC-49Z

3/10/2016	
3/11/2016	
3/14/2016	
3/15/2016	
3/16/2016	
3/17/2016	31
5/11/2016	
5/12/2016	
5/13/2016	
5/16/2016	
5/17/2016	
5/18/2016	43
7/19/2016	
7/20/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/27/2016	
7/28/2016	43
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
9/21/2016	<25
11/2/2016	
11/3/2016	
11/4/2016	
11/7/2016	50
1/17/2017	
1/18/2017	
1/19/2017	
1/23/2017	
1/24/2017	63
3/24/2017	
3/27/2017	
3/28/2017	
3/29/2017	
3/30/2017	<25
5/24/2017	
6/5/2017	
6/6/2017	
6/7/2017	
6/8/2017	
6/9/2017	20 (J)
7/20/2017	
9/22/2017	
9/25/2017	
9/26/2017	
9/27/2017	
9/29/2017	22 (J)
3/14/2018	
3/15/2018	<25

# Time Series

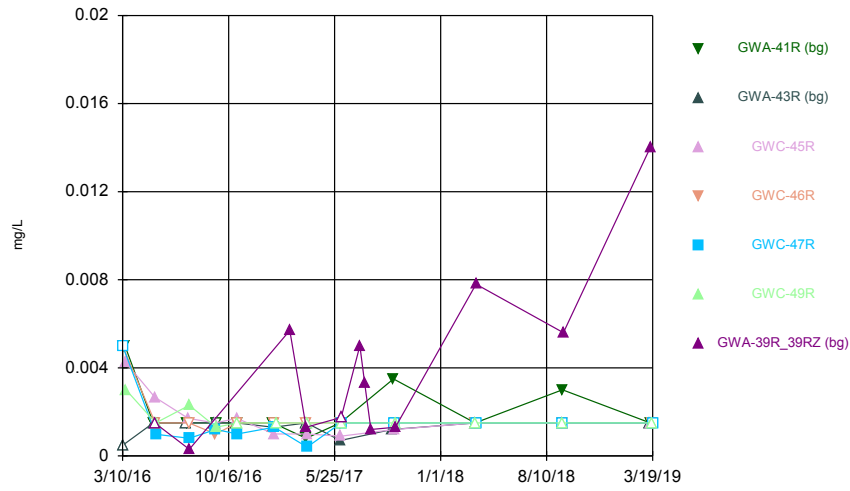
Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/26/2019 11:37 AM View: cell 9&10 overburden app III  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

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GWC-49Z

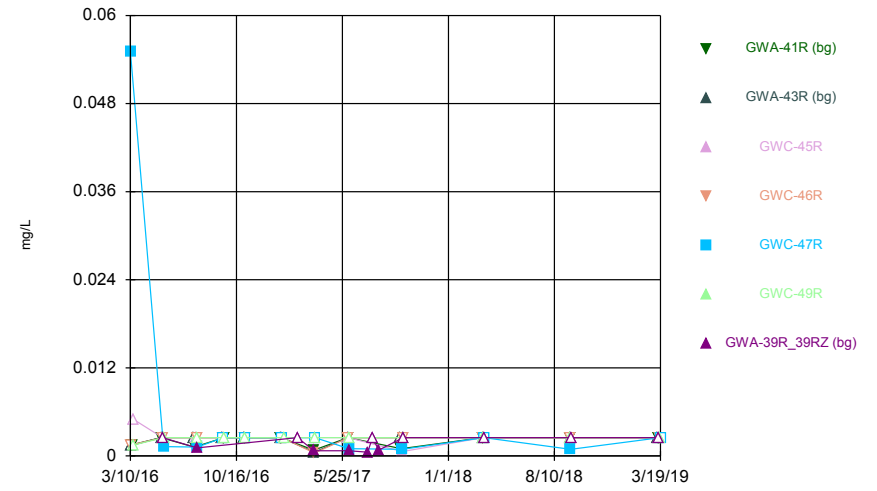
9/12/2018	
9/13/2018	
9/14/2018	29
3/13/2019	
3/14/2019	
3/15/2019	
3/19/2019	35

Time Series



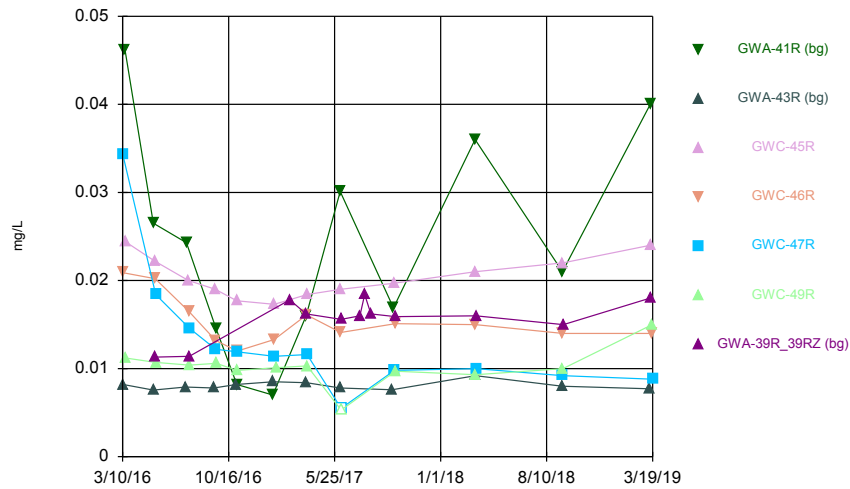
Constituent: Antimony Analysis Run 5/1/2019 2:42 PM View: cell 9&10 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



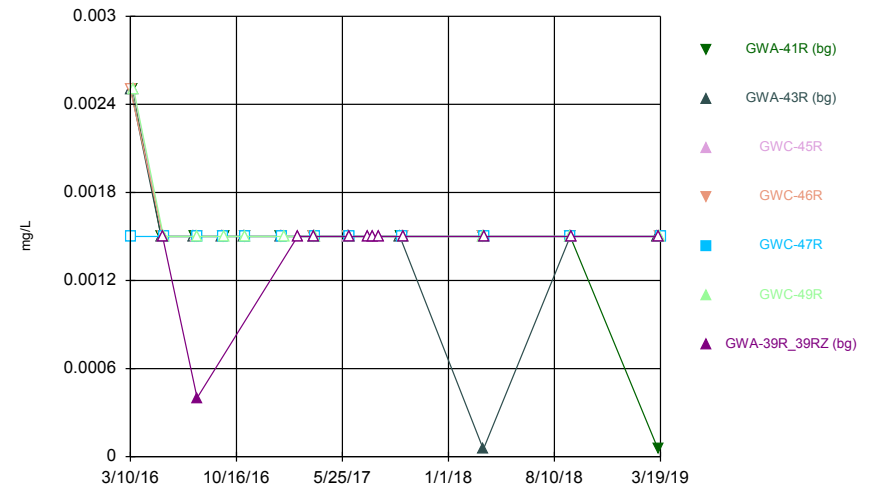
Constituent: Arsenic Analysis Run 5/1/2019 2:42 PM View: cell 9&10 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Barium Analysis Run 5/1/2019 2:42 PM View: cell 9&10 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Beryllium Analysis Run 5/1/2019 2:42 PM View: cell 9&10 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

# Time Series

Constituent: Antimony (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.01	<0.01		
3/11/2016		<0.001					
3/15/2016	<0.01						
3/16/2016			0.00426				
3/17/2016						0.003	
5/13/2016	<0.003	<0.003					
5/16/2016			0.00267 (J)				<0.003 (D)
5/17/2016				<0.003			
5/18/2016					0.000987 (J)	<0.003	
7/19/2016		<0.003					
7/21/2016	<0.003 (*)						
7/25/2016			0.0017 (J)				
7/26/2016				<0.003			
7/27/2016					0.0008 (J)	0.0023 (J)	0.0003 (JD)
9/16/2016		<0.003					
9/19/2016			<0.003				
9/20/2016				0.001 (J)	0.0012 (J)		
9/21/2016	<0.003					0.0013 (J)	
11/2/2016		<0.003					
11/3/2016	<0.003		0.0017 (J)				
11/4/2016				<0.003	0.001 (J)	<0.003	
1/17/2017	<0.003						
1/18/2017		0.0013 (J)					
1/20/2017			0.001 (J)	<0.003	0.0013 (J)		
1/24/2017						<0.003	
2/21/2017							0.0057
3/27/2017	0.0008 (J)						0.0013 (JD)
3/28/2017		<0.003		<0.003			
3/29/2017			0.001 (J)		0.0004 (J)	<0.003	
6/6/2017	<0.003	0.0007 (J)					
6/7/2017			0.0009 (J)	<0.003			
6/8/2017					<0.003 (*)	<0.003 (*)	<0.0035 (*)
7/17/2017							0.005 (D)
7/27/2017							0.0033
8/9/2017							0.0012 (J)
9/22/2017		0.0012 (J)					
9/25/2017	0.0035						
9/27/2017			0.0012 (J)		<0.003		
9/29/2017				<0.003		<0.003	0.0013 (JD)
3/14/2018	<0.003						
3/15/2018		<0.003	<0.003	<0.003		<0.003	
3/16/2018					<0.003		0.0078
9/12/2018	0.003	<0.003					
9/13/2018			<0.003	<0.003	<0.003	<0.003	
9/14/2018							0.0056
3/13/2019		<0.003					
3/14/2019	<0.003		<0.003				0.014
3/18/2019				<0.003		<0.003	
3/19/2019					<0.003		

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.003	0.0551 (J)		
3/11/2016		<0.003					
3/15/2016	<0.003						
3/16/2016			<0.01				
3/17/2016						<0.003	
5/13/2016	<0.005	<0.005					
5/16/2016			<0.005				<0.005 (D)
5/17/2016				<0.005			
5/18/2016					0.00127 (J)	<0.005	
7/19/2016		<0.005					
7/21/2016	0.0012 (J)						
7/25/2016			<0.005				
7/26/2016				<0.005			
7/27/2016					0.0012 (J)	<0.005	0.0011 (JD)
9/16/2016		<0.005					
9/19/2016			<0.005				
9/20/2016				<0.005	<0.005		
9/21/2016	<0.005					<0.005	
11/2/2016		<0.005					
11/3/2016	<0.005		<0.005				
11/4/2016				<0.005	<0.005	<0.005	
1/17/2017	<0.005						
1/18/2017		<0.005					
1/20/2017			<0.005	<0.005	<0.005		
1/24/2017						<0.005	
2/21/2017							<0.005
3/27/2017	0.0008 (J)						0.0007 (JD)
3/28/2017		0.0005 (J)		0.0004 (J)			
3/29/2017			<0.005		<0.005	<0.005	
6/6/2017	<0.005 (*)	<0.005 (*)					
6/7/2017			<0.005 (*)	<0.005 (*)			
6/8/2017					0.001 (J)	<0.005	0.0007 (JD)
7/17/2017							0.0005 (JD)
7/27/2017							<0.005
8/9/2017							0.0008 (J)
9/22/2017		<0.005					
9/25/2017	0.001 (J)						
9/27/2017			0.0006 (J)		0.0009 (J)		
9/29/2017				<0.005		<0.005	<0.005 (D)
3/14/2018	<0.005						
3/15/2018		<0.005	<0.005	<0.005		<0.005	
3/16/2018					<0.005		<0.005
9/12/2018	<0.005	<0.005					
9/13/2018			<0.005	<0.005	0.00091 (J)	<0.005	
9/14/2018							<0.005
3/13/2019		<0.005					
3/14/2019	<0.005		<0.005				<0.005
3/18/2019				<0.005		<0.005	
3/19/2019					<0.005		

# Time Series

Constituent: Barium (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				0.0209	0.0344		
3/11/2016		0.00819 (J)					
3/15/2016	0.0462						
3/16/2016			0.0244				
3/17/2016						0.0112	
5/13/2016	0.0265	0.00756 (J)					
5/16/2016			0.0222				0.0113 (D)
5/17/2016				0.0202			
5/18/2016					0.0184	0.0107	
7/19/2016		0.0079 (J)					
7/21/2016	0.0243						
7/25/2016			0.02				
7/26/2016				0.0165			
7/27/2016					0.0146	0.0104	0.0114 (D)
9/16/2016		0.0078 (J)					
9/19/2016			0.019				
9/20/2016				0.0132	0.0122		
9/21/2016	0.0145					0.0106	
11/2/2016		0.0082 (J)					
11/3/2016	0.0082 (J)		0.0177				
11/4/2016				0.012	0.0119	0.0098 (J)	
1/17/2017	0.007 (J)						
1/18/2017		0.0085 (J)					
1/20/2017			0.0173	0.0133	0.0114		
1/24/2017						0.0101	
2/21/2017							0.0178
3/27/2017	0.016						0.0162 (D)
3/28/2017		0.0084 (J)		0.0161			
3/29/2017			0.0184		0.0116	0.0103	
6/6/2017	0.0301	0.0078 (J)					
6/7/2017			0.019	0.0141			
6/8/2017					<0.011 (*)	<0.0106 (*)	0.0156 (D)
7/17/2017							0.016 (D)
7/27/2017							0.0184
8/9/2017							0.0162
9/22/2017		0.0076 (J)					
9/25/2017	0.0169						
9/27/2017			0.0197		0.0098 (J)		
9/29/2017				0.0151		0.0097 (J)	0.0159 (D)
3/14/2018	0.036						
3/15/2018		0.0092 (J)	0.021	0.015		0.0093 (J)	
3/16/2018					0.01		0.016
9/12/2018	0.021	0.008 (J)					
9/13/2018			0.022	0.014	0.0092 (J)	0.01	
9/14/2018							0.015
3/13/2019		0.0077 (J)					
3/14/2019	0.04		0.024				0.018
3/18/2019				0.014		0.015	
3/19/2019					0.0088 (J)		

# Time Series

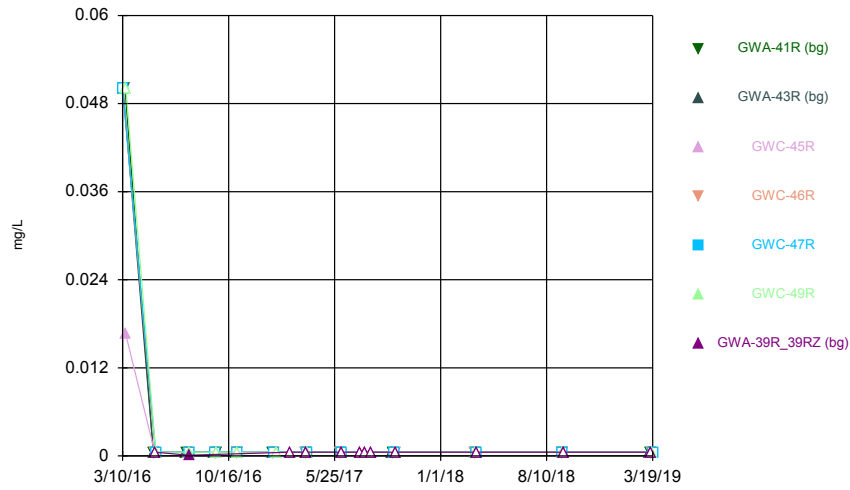
Constituent: Beryllium (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.005	<0.003		
3/11/2016		<0.005					
3/15/2016	<0.005						
3/16/2016			<0.005				
3/17/2016						<0.005	
5/13/2016	<0.003	<0.003					
5/16/2016			<0.003				<0.003 (D)
5/17/2016				<0.003			
5/18/2016					<0.003	<0.003	
7/19/2016		<0.003					
7/21/2016	<0.003						
7/25/2016			<0.003				
7/26/2016				<0.003			
7/27/2016					<0.003	<0.003	0.0004 (JD)
9/16/2016		<0.003					
9/19/2016			<0.003				
9/20/2016				<0.003	<0.003		
9/21/2016	<0.003					<0.003	
11/2/2016		<0.003					
11/3/2016	<0.003		<0.003				
11/4/2016				<0.003	<0.003	<0.003	
1/17/2017	<0.003						
1/18/2017		<0.003					
1/20/2017			<0.003	<0.003	<0.003		
1/24/2017						<0.003	
2/21/2017							<0.003
3/27/2017	<0.003						<0.003 (D)
3/28/2017		<0.003		<0.003			
3/29/2017			<0.003		<0.003	<0.003	
6/6/2017	<0.003	<0.003					
6/7/2017			<0.003	<0.003			
6/8/2017					<0.003	<0.003	<0.003 (D)
7/17/2017							<0.003 (D)
7/27/2017							<0.003
8/9/2017							<0.003
9/22/2017		<0.003					
9/25/2017	<0.003						
9/27/2017			<0.003		<0.003		
9/29/2017				<0.003		<0.003	<0.003 (D)
3/14/2018	<0.003						
3/15/2018		5.1E-05 (J)	<0.003	<0.003		<0.003	
3/16/2018					<0.003		<0.003
9/12/2018	<0.003	<0.003					
9/13/2018			<0.003	<0.003	<0.003	<0.003	
9/14/2018							<0.003
3/13/2019		<0.003					
3/14/2019	5.2E-05 (J)		<0.003				<0.003
3/18/2019				<0.003		<0.003	
3/19/2019					<0.003		

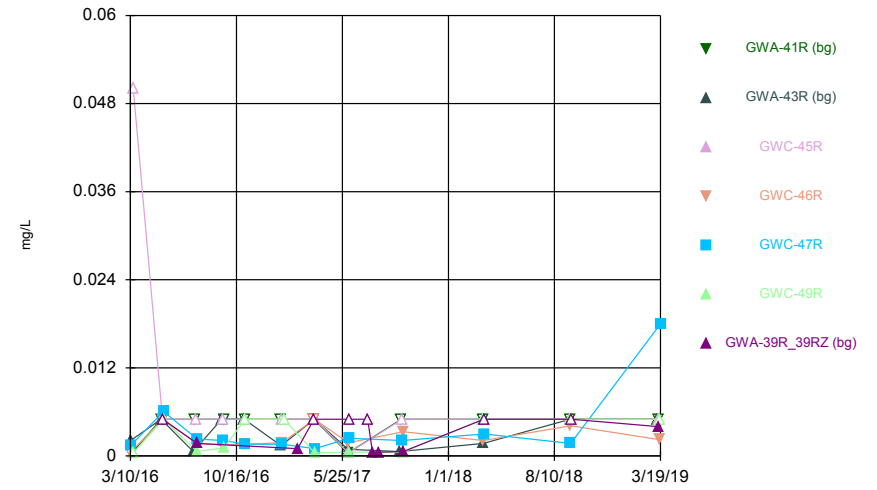


Time Series



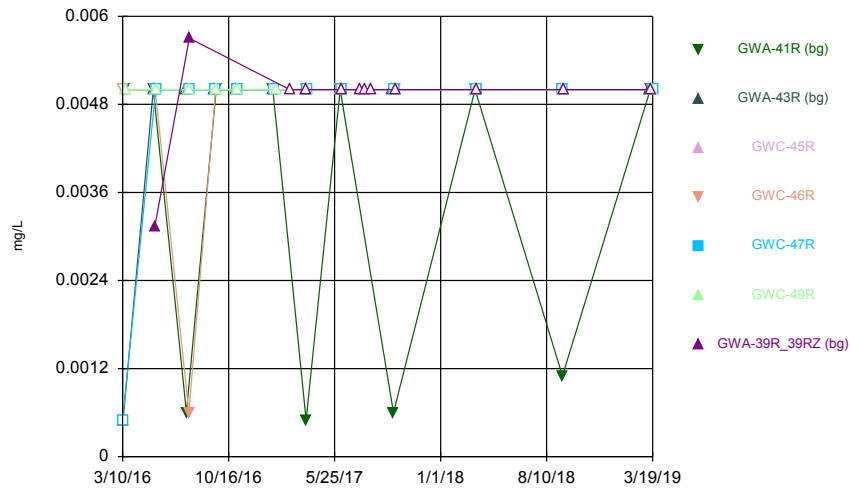
Constituent: Cadmium Analysis Run 5/1/2019 2:42 PM View: cell 9&10 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



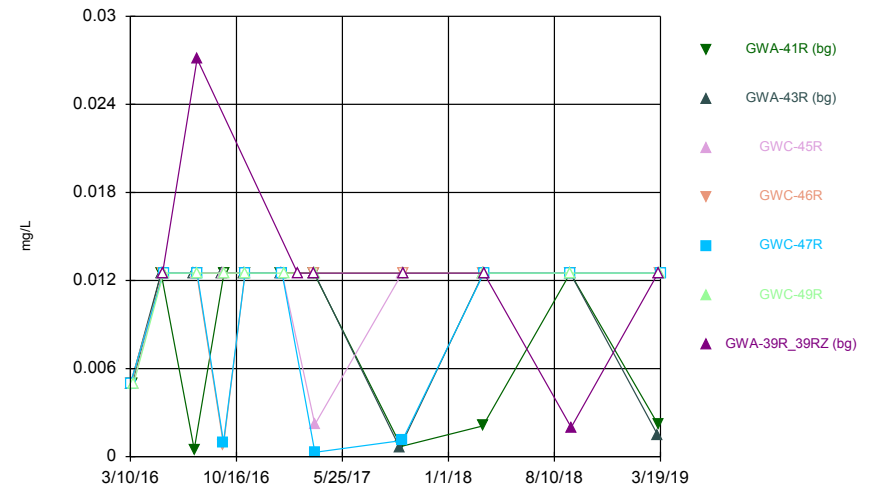
Constituent: Chromium Analysis Run 5/1/2019 2:42 PM View: cell 9&10 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Cobalt Analysis Run 5/1/2019 2:42 PM View: cell 9&10 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Copper Analysis Run 5/1/2019 2:42 PM View: cell 9&10 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.1	<0.1		
3/11/2016		<0.1					
3/15/2016	<0.1						
3/16/2016			0.0167 (J)				
3/17/2016						<0.1	
5/13/2016	<0.001	<0.001					
5/16/2016			<0.001				<0.001 (D)
5/17/2016				<0.001			
5/18/2016					<0.001	<0.001	
7/19/2016		<0.001					
7/21/2016	<0.001						
7/25/2016			<0.001				
7/26/2016				<0.001			
7/27/2016					<0.001	<0.001	0.0001 (JD)
9/16/2016		<0.001					
9/19/2016			<0.001				
9/20/2016				<0.001	<0.001		
9/21/2016	<0.001					<0.001	
11/2/2016		<0.001					
11/3/2016	<0.001		<0.001				
11/4/2016				<0.001	<0.001	<0.001	
1/17/2017	<0.001						
1/18/2017		<0.001					
1/20/2017			<0.001	<0.001	<0.001		
1/24/2017						<0.001	
2/21/2017							<0.001
3/27/2017	<0.001						<0.001 (D)
3/28/2017		<0.001		<0.001			
3/29/2017			<0.001		<0.001	<0.001	
6/6/2017	<0.001	<0.001					
6/7/2017			<0.001	<0.001			
6/8/2017					<0.001	<0.001	<0.001 (D)
7/17/2017							<0.001 (D)
7/27/2017							<0.001
8/9/2017							<0.001
9/22/2017		<0.001					
9/25/2017	<0.001						
9/27/2017			<0.001		<0.001		
9/29/2017				<0.001		<0.001	<0.001 (D)
3/14/2018	<0.001						
3/15/2018		<0.001	<0.001	<0.001		<0.001	
3/16/2018					<0.001		<0.001
9/12/2018	<0.001	<0.001					
9/13/2018			<0.001	<0.001	<0.001	<0.001	
9/14/2018							<0.001
3/13/2019		<0.001					
3/14/2019	<0.001		<0.001				<0.001
3/18/2019				<0.001		<0.001	
3/19/2019					<0.001		

# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.001	0.00136 (J)		
3/11/2016		0.00212 (J)					
3/15/2016	<0.001						
3/16/2016			<0.1				
3/17/2016						<0.001	
5/13/2016	<0.01	<0.01					
5/16/2016			<0.01				<0.01 (D)
5/17/2016				<0.01			
5/18/2016					0.00606 (J)	<0.01	
7/19/2016		0.0006 (J)					
7/21/2016	<0.01						
7/25/2016			<0.01				
7/26/2016				0.0017 (J)			
7/27/2016					0.0023 (J)	0.0006 (J)	0.0017 (JD)
9/16/2016		<0.01					
9/19/2016			<0.01				
9/20/2016				0.0015 (J)	0.0021 (J)		
9/21/2016	<0.01					0.0011 (J)	
11/2/2016		<0.01					
11/3/2016	<0.01		<0.01				
11/4/2016				0.0016 (J)	0.0016 (J)	<0.01	
1/17/2017	<0.01						
1/18/2017		0.0014 (J)					
1/20/2017			<0.01	0.0018 (J)	0.0016 (J)		
1/24/2017						<0.01	
2/21/2017							0.001 (J)
3/27/2017	<0.01						<0.01 (D)
3/28/2017		<0.01 (*)		<0.01 (*)			
3/29/2017			<0.01		0.001 (J)	0.0004 (J)	
6/6/2017	0.0004 (J)	0.0009 (J)					
6/7/2017			0.0004 (J)	0.0018 (J)			
6/8/2017					0.0024 (J)	0.0005 (J)	<0.01 (D)
7/17/2017							<0.01 (D)
7/27/2017							0.0005 (J)
8/9/2017							0.0005 (J)
9/22/2017		0.0006 (J)					
9/25/2017	<0.01						
9/27/2017			<0.01		0.0021 (J)		
9/29/2017				0.0033 (J)		0.0005 (J)	0.0006 (JD)
3/14/2018	<0.01						
3/15/2018		0.0017 (J)	<0.01	0.0021 (J)		<0.01	
3/16/2018					0.003 (J)		<0.01
9/12/2018	<0.01	<0.01					
9/13/2018			<0.01	0.0041 (J)	0.0017 (J)	<0.01	
9/14/2018							<0.01
3/13/2019		<0.01					
3/14/2019	<0.01		<0.01				0.004 (J)
3/18/2019				0.0022 (J)		<0.01	
3/19/2019					0.018		

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.01	<0.001		
3/11/2016		<0.001					
3/15/2016	<0.01						
3/16/2016			<0.01				
3/17/2016						<0.01	
5/13/2016	<0.01	<0.01					
5/16/2016			<0.01				0.00313 (JD)
5/17/2016				<0.01			
5/18/2016					<0.01	<0.01	
7/19/2016		<0.01					
7/21/2016	0.0006 (J)						
7/25/2016			<0.01				
7/26/2016				0.0006 (J)			
7/27/2016					<0.01	<0.01	0.0057 (JD)
9/16/2016		<0.01					
9/19/2016			<0.01				
9/20/2016				<0.01	<0.01		
9/21/2016	<0.01					<0.01	
11/2/2016		<0.01					
11/3/2016	<0.01		<0.01				
11/4/2016				<0.01	<0.01	<0.01	
1/17/2017	<0.01						
1/18/2017		<0.01					
1/20/2017			<0.01	<0.01	<0.01		
1/24/2017						<0.01	
2/21/2017							<0.01
3/27/2017	0.0005 (J)						<0.01 (D)
3/28/2017		<0.01		<0.01			
3/29/2017			<0.01		<0.01	<0.01	
6/6/2017	<0.01	<0.01					
6/7/2017			<0.01	<0.01			
6/8/2017					<0.01	<0.01	<0.01 (D)
7/17/2017							<0.01 (D)
7/27/2017							<0.01
8/9/2017							<0.01
9/22/2017		<0.01					
9/25/2017	0.0006 (J)						
9/27/2017			<0.01		<0.01		
9/29/2017				<0.01		<0.01	<0.01 (D)
3/14/2018	<0.01						
3/15/2018		<0.01	<0.01	<0.01		<0.01	
3/16/2018					<0.01		<0.01
9/12/2018	0.0011 (J)	<0.01					
9/13/2018			<0.01	<0.01	<0.01	<0.01	
9/14/2018							<0.01
3/13/2019		<0.01					
3/14/2019	<0.01		<0.01				<0.01
3/18/2019				<0.01		<0.01	
3/19/2019					<0.01		

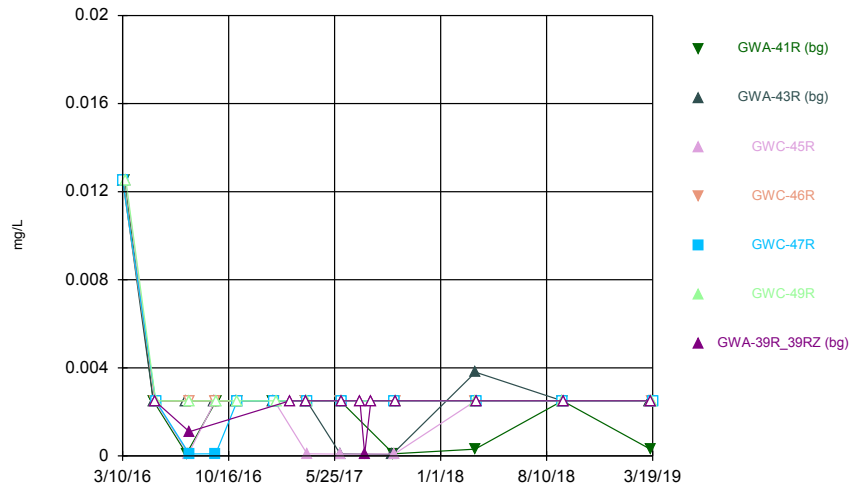
# Time Series

Constituent: Copper (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

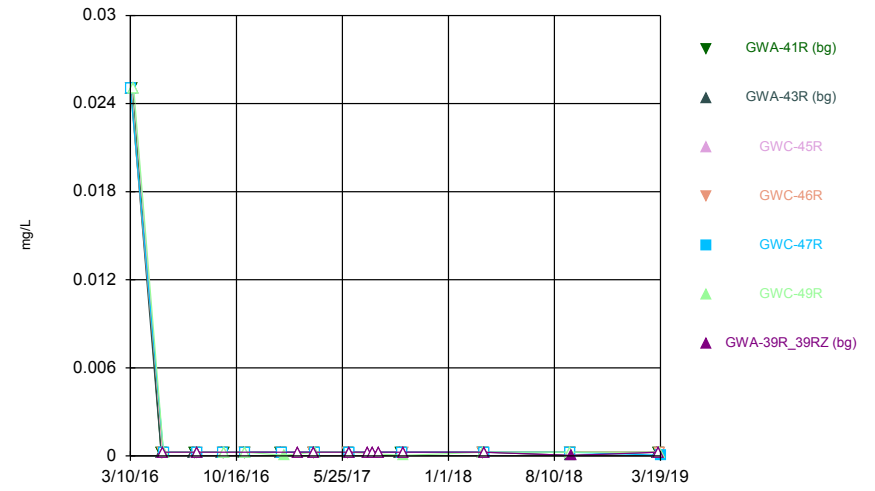
	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.01	<0.01		
3/11/2016		<0.01					
3/15/2016	<0.01						
3/16/2016			<0.01				
3/17/2016						<0.01	
5/13/2016	<0.025	<0.025					
5/16/2016			<0.025				<0.025 (D)
5/17/2016				<0.025			
5/18/2016					<0.025	<0.025	
7/19/2016		<0.025					
7/21/2016	0.0005 (J)						
7/25/2016			<0.025				
7/26/2016				<0.025			
7/27/2016					<0.025	<0.025	0.0271 (D)
9/16/2016		<0.025					
9/19/2016			<0.025				
9/20/2016				0.0008 (J)	0.001 (J)		
9/21/2016	<0.025					<0.025	
11/2/2016		<0.025					
11/3/2016	<0.025		<0.025				
11/4/2016				<0.025	<0.025	<0.025	
1/17/2017	<0.025						
1/18/2017		<0.025					
1/20/2017			<0.025	<0.025	<0.025		
1/24/2017						<0.025	
2/21/2017							<0.025
3/27/2017	<0.025						<0.025 (D)
3/28/2017		<0.025 (*)		<0.025			
3/29/2017			0.0022 (J)		0.0003 (J)	<0.025	
9/22/2017		0.0006 (J)					
9/25/2017	0.0007 (J)						
9/27/2017			<0.025		0.0011 (J)		
9/29/2017				<0.025		<0.025	<0.025 (D)
3/14/2018	0.0021 (J)						
3/15/2018		<0.025	<0.025	<0.025		<0.025	
3/16/2018					<0.025		<0.025
9/12/2018	<0.025	<0.025					
9/13/2018			<0.025	<0.025	<0.025	<0.025	
9/14/2018							0.002 (J)
3/13/2019		0.0015 (J)					
3/14/2019	0.0022 (J)		<0.025				<0.025
3/18/2019				<0.025		<0.025	
3/19/2019					<0.025		

Time Series



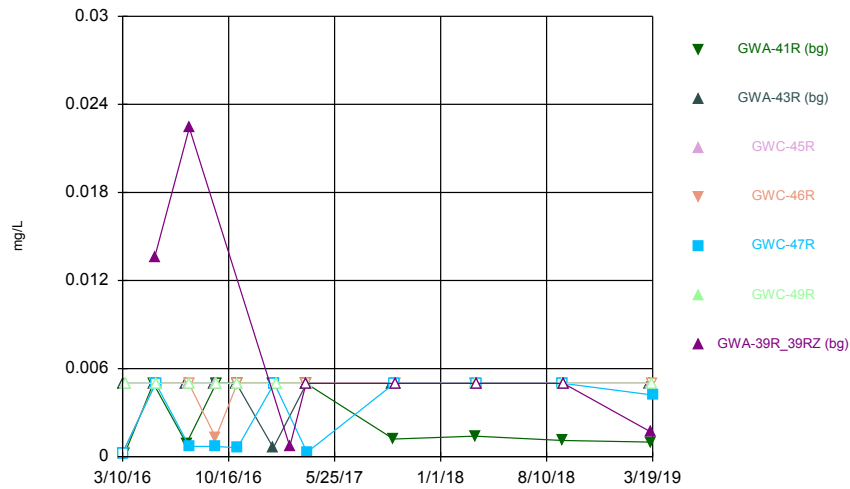
Constituent: Lead Analysis Run 5/1/2019 2:42 PM View: cell 9&10 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



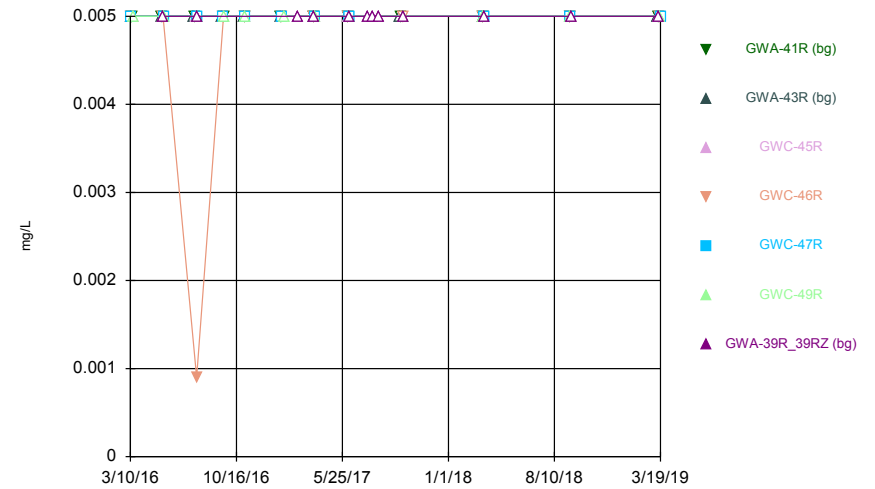
Constituent: Mercury Analysis Run 5/1/2019 2:42 PM View: cell 9&10 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Nickel Analysis Run 5/1/2019 2:42 PM View: cell 9&10 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Selenium Analysis Run 5/1/2019 2:43 PM View: cell 9&10 metals bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

# Time Series

Constituent: Lead (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.025	<0.025		
3/11/2016		<0.025					
3/15/2016	<0.025						
3/16/2016			<0.025				
3/17/2016						<0.025	
5/13/2016	<0.005	<0.005					
5/16/2016			<0.005				<0.005 (D)
5/17/2016				<0.005			
5/18/2016					<0.005	<0.005	
7/19/2016		<0.005					
7/21/2016	0.0001 (J)						
7/25/2016			0.0001 (J)				
7/26/2016				<0.005			
7/27/2016					9E-05 (J)	<0.005	0.0011 (JD)
9/16/2016		<0.005					
9/19/2016			<0.005				
9/20/2016				<0.005	0.0001 (J)		
9/21/2016	<0.005					<0.005	
11/2/2016		<0.005					
11/3/2016	<0.005		<0.005				
11/4/2016				<0.005	<0.005	<0.005	
1/17/2017	<0.005						
1/18/2017		<0.005					
1/20/2017			<0.005	<0.005	<0.005		
1/24/2017						<0.005	
2/21/2017							<0.005
3/27/2017	<0.005						<0.005 (D)
3/28/2017		<0.005		<0.005			
3/29/2017			0.0001 (J)		<0.005	<0.005	
6/6/2017	<0.005	0.0001 (J)					
6/7/2017			8E-05 (J)	<0.005			
6/8/2017					<0.005	<0.005	<0.005 (D)
7/17/2017							<0.005 (D)
7/27/2017							0.0001 (J)
8/9/2017							<0.005
9/22/2017		7E-05 (J)					
9/25/2017	0.0001 (J)						
9/27/2017			9E-05 (J)		<0.005		
9/29/2017				<0.005		<0.005	<0.005 (D)
3/14/2018	0.00031 (J)						
3/15/2018		0.0038 (J)	<0.005	<0.005		<0.005	
3/16/2018					<0.005		<0.005
9/12/2018	<0.005	<0.005					
9/13/2018			<0.005	<0.005	<0.005	<0.005	
9/14/2018							<0.005
3/13/2019		<0.005					
3/14/2019	0.00031 (J)		<0.005				<0.005
3/18/2019				<0.005		<0.005	
3/19/2019					<0.005		

# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.05	<0.05		
3/11/2016		<0.05					
3/15/2016	<0.05						
3/16/2016			<0.05				
3/17/2016						<0.05	
5/13/2016	<0.0005	<0.0005					
5/16/2016			<0.0005				<0.0005 (D)
5/17/2016				<0.0005			
5/18/2016					<0.0005	<0.0005	
7/19/2016		<0.0005					
7/21/2016	<0.0005						
7/25/2016			<0.0005				
7/26/2016				<0.0005			
7/27/2016					<0.0005	<0.0005	<0.0005 (D)
9/16/2016		<0.0005					
9/19/2016			<0.0005				
9/20/2016				<0.0005	<0.0005		
9/21/2016	<0.0005					<0.0005	
11/2/2016		<0.0005					
11/3/2016	<0.0005		<0.0005				
11/4/2016				<0.0005	<0.0005	<0.0005	
1/17/2017	<0.0005						
1/18/2017		<0.0005					
1/20/2017			<0.0005	<0.0005	<0.0005		
1/24/2017						5E-05 (J)	
2/21/2017							<0.0005
3/27/2017	<0.0005						<0.0005 (D)
3/28/2017		<0.0005		<0.0005			
3/29/2017			<0.0005 (*)		<0.0005 (*)	<0.0005 (*)	
6/6/2017	<0.0005	<0.0005					
6/7/2017			<0.0005	<0.0005			
6/8/2017					<0.0005	<0.0005	<0.0005 (D)
7/17/2017							<0.0005 (D)
7/27/2017							<0.0005
8/9/2017							<0.0005
9/22/2017		<0.0005					
9/25/2017	<0.0005						
9/27/2017			<0.0005		<0.0005		
9/29/2017				<0.0005		4E-05 (J)	<0.0005 (D)
3/14/2018	<0.0005						
3/15/2018		<0.0005	<0.0005	<0.0005		<0.0005	
3/16/2018					<0.0005		<0.0005
9/12/2018	<0.0005	3.9E-05 (J)					
9/13/2018			<0.0005	<0.0005	<0.0005	<0.0005	
9/14/2018							4.1E-05 (J)
3/13/2019		<0.0005					
3/14/2019	<0.0005		<0.0005				<0.0005
3/18/2019				<0.0005		<0.0005	
3/19/2019					5E-05 (J)		



# Time Series

Constituent: Nickel (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

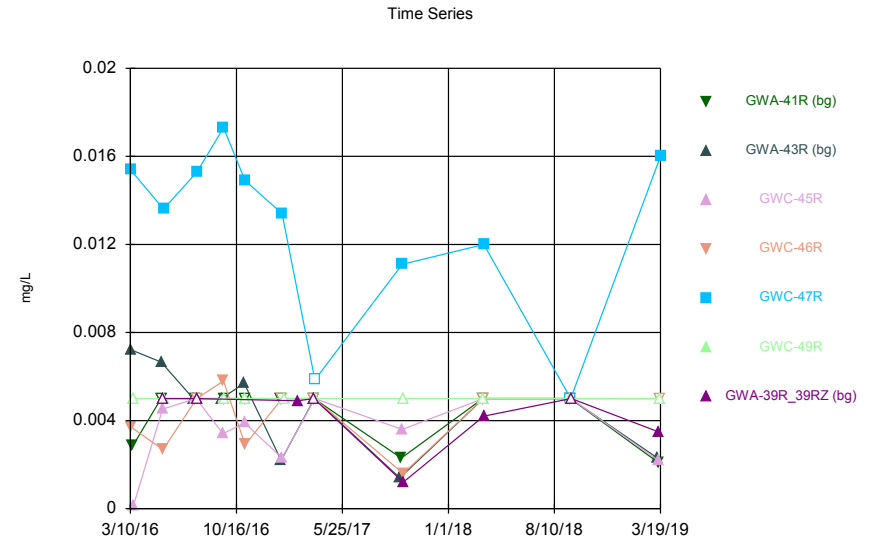
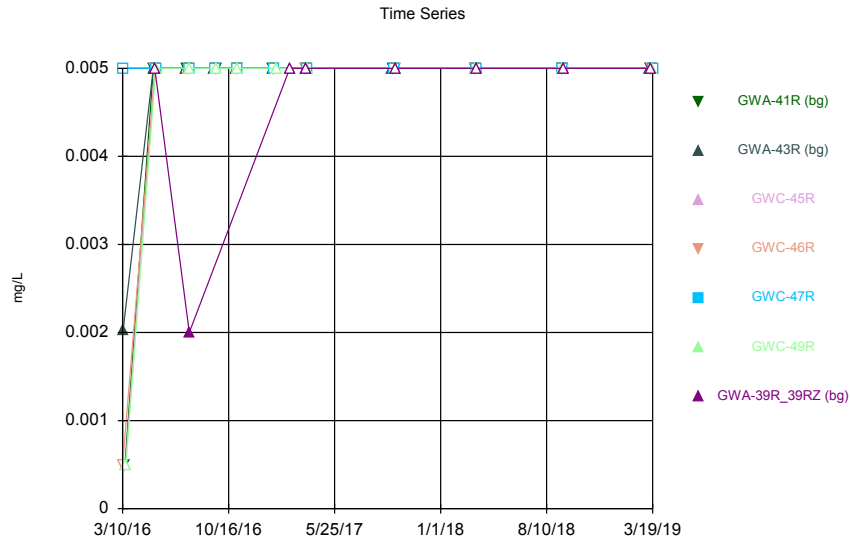
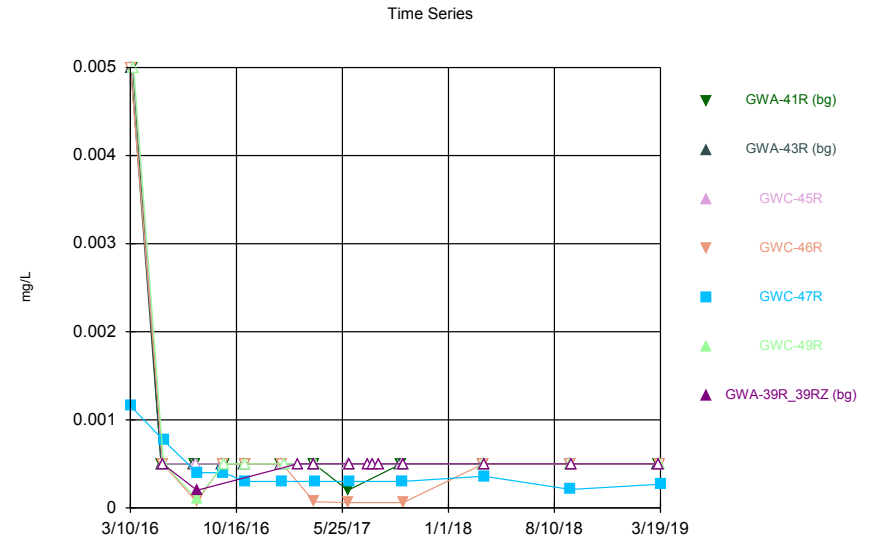
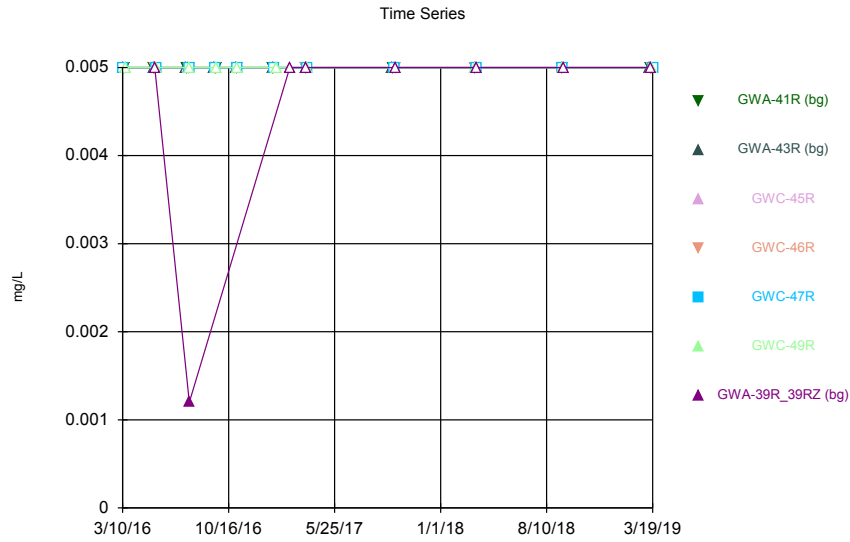
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.0005	<0.0005		
3/11/2016		<0.01					
3/15/2016	<0.0005						
3/16/2016			<0.01				
3/17/2016						<0.01	
5/13/2016	<0.01	<0.01					
5/16/2016			<0.01				0.0136 (D)
5/17/2016				<0.01			
5/18/2016					<0.01	<0.01	
7/19/2016		<0.01					
7/21/2016	0.0009 (J)						
7/25/2016			<0.01				
7/26/2016				<0.01			
7/27/2016					0.0007 (J)	<0.01	0.0224 (D)
9/16/2016		<0.01					
9/19/2016			<0.01				
9/20/2016				0.0013 (J)	0.0007 (J)		
9/21/2016	<0.01					<0.01	
11/2/2016		<0.01					
11/3/2016	<0.01		<0.01				
11/4/2016				<0.01	0.0006 (J)	<0.01	
1/17/2017	<0.01						
1/18/2017		0.0006 (J)					
1/20/2017			<0.01	<0.01	<0.01		
1/24/2017						<0.01	
2/21/2017							0.0007 (J)
3/27/2017	<0.01 (*)						<0.01 (D)
3/28/2017		<0.01 (*)		<0.01			
3/29/2017			<0.01		0.0003 (J)	<0.01	
9/22/2017		<0.01					
9/25/2017	0.0012 (J)						
9/27/2017			<0.01		<0.01		
9/29/2017				<0.01		<0.01	<0.01 (D)
3/14/2018	0.0014 (J)						
3/15/2018		<0.01	<0.01	<0.01		<0.01	
3/16/2018					<0.01		<0.01
9/12/2018	0.0011 (J)	<0.01					
9/13/2018			<0.01	<0.01	<0.01	<0.01	
9/14/2018							<0.01
3/13/2019		<0.01					
3/14/2019	0.001 (J)		<0.01				0.0017 (J)
3/18/2019				<0.01		<0.01	
3/19/2019					0.0042 (J)		

# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.01	<0.01		
3/11/2016		<0.01					
3/15/2016	<0.01						
3/16/2016			<0.01				
3/17/2016						<0.01	
5/13/2016	<0.01	<0.01					
5/16/2016			<0.01				<0.01 (D)
5/17/2016				<0.01			
5/18/2016					<0.01	<0.01	
7/19/2016		<0.01					
7/21/2016	<0.01						
7/25/2016			<0.01				
7/26/2016				0.0009 (J)			
7/27/2016					<0.01	<0.01	<0.01 (D)
9/16/2016		<0.01					
9/19/2016			<0.01				
9/20/2016				<0.01	<0.01		
9/21/2016	<0.01					<0.01	
11/2/2016		<0.01					
11/3/2016	<0.01		<0.01				
11/4/2016				<0.01	<0.01	<0.01	
1/17/2017	<0.01						
1/18/2017		<0.01					
1/20/2017			<0.01	<0.01	<0.01		
1/24/2017						<0.01	
2/21/2017							<0.01
3/27/2017	<0.01						<0.01 (D)
3/28/2017		<0.01		<0.01			
3/29/2017			<0.01		<0.01	<0.01	
6/6/2017	<0.01	<0.01					
6/7/2017			<0.01	<0.01			
6/8/2017					<0.01	<0.01	<0.01 (D)
7/17/2017							<0.01 (D)
7/27/2017							<0.01
8/9/2017							<0.01
9/22/2017		<0.01					
9/25/2017	<0.01						
9/29/2017				<0.01		<0.01	<0.01 (D)
3/14/2018	<0.01						
3/15/2018		<0.01	<0.01	<0.01		<0.01	
3/16/2018					<0.01		<0.01
9/12/2018	<0.01	<0.01					
9/13/2018			<0.01	<0.01	<0.01	<0.01	
9/14/2018							<0.01
3/13/2019		<0.01					
3/14/2019	<0.01		<0.01				<0.01
3/18/2019				<0.01		<0.01	
3/19/2019					<0.01		



# Time Series

Constituent: Silver (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.01	<0.01		
3/11/2016		<0.01					
3/15/2016	<0.01						
3/16/2016			<0.01				
3/17/2016						<0.01	
5/13/2016	<0.01	<0.01					
5/16/2016			<0.01				<0.01 (D)
5/17/2016				<0.01			
5/18/2016					<0.01	<0.01	
7/19/2016		<0.01					
7/21/2016	<0.01						
7/25/2016			<0.01				
7/26/2016				<0.01			
7/27/2016					<0.01	<0.01	0.0012 (JD)
9/16/2016		<0.01					
9/19/2016			<0.01				
9/20/2016				<0.01	<0.01		
9/21/2016	<0.01					<0.01	
11/2/2016		<0.01					
11/3/2016	<0.01		<0.01				
11/4/2016				<0.01	<0.01	<0.01	
1/17/2017	<0.01						
1/18/2017		<0.01					
1/20/2017			<0.01	<0.01	<0.01		
1/24/2017						<0.01	
2/21/2017							<0.01
3/27/2017	<0.01						<0.01 (D)
3/28/2017		<0.01		<0.01			
3/29/2017			<0.01		<0.01	<0.01	
9/22/2017		<0.01					
9/25/2017	<0.01						
9/27/2017			<0.01		<0.01		
9/29/2017				<0.01		<0.01	<0.01 (D)
3/14/2018	<0.01						
3/15/2018		<0.01	<0.01	<0.01		<0.01	
3/16/2018					<0.01		<0.01
9/12/2018	<0.01	<0.01					
9/13/2018			<0.01	<0.01	<0.01	<0.01	
9/14/2018							<0.01
3/13/2019		<0.01					
3/14/2019	<0.01		<0.01				<0.01
3/18/2019				<0.01		<0.01	
3/19/2019					<0.01		

# Time Series

Constituent: Thallium (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.01	0.00116		
3/11/2016		<0.01					
3/15/2016	<0.01						
3/16/2016			<0.01				
3/17/2016						<0.01	
5/13/2016	<0.001	<0.001					
5/16/2016			<0.001				<0.001 (D)
5/17/2016				<0.001			
5/18/2016					0.000768 (J)	<0.001	
7/19/2016		<0.001					
7/21/2016	<0.001						
7/25/2016			<0.001				
7/26/2016				7E-05 (J)			
7/27/2016					0.0004 (J)	0.0001 (J)	0.0002 (JD)
9/16/2016		<0.001					
9/19/2016			<0.001				
9/20/2016				<0.001	0.0004 (J)		
9/21/2016	<0.001					<0.001	
11/2/2016		<0.001					
11/3/2016	<0.001		<0.001				
11/4/2016				<0.001	0.0003 (J)	<0.001	
1/17/2017	<0.001						
1/18/2017		<0.001					
1/20/2017			<0.001	<0.001	0.0003 (J)		
1/24/2017						<0.001	
2/21/2017							<0.001
3/27/2017	<0.001						<0.001 (D)
3/28/2017		<0.001		7E-05 (J)			
3/29/2017			<0.001		0.0003 (J)	<0.001	
6/6/2017	0.0002 (J)	<0.001					
6/7/2017			<0.001	6E-05 (J)			
6/8/2017					0.0003 (J)	<0.001	<0.001 (D)
7/17/2017							<0.001 (D)
7/27/2017							<0.001
8/9/2017							<0.001
9/22/2017		<0.001					
9/25/2017	<0.001						
9/27/2017			<0.001		0.0003 (J)		
9/29/2017				6E-05 (J)		<0.001	<0.001 (D)
3/14/2018	<0.001						
3/15/2018		<0.001	<0.001	<0.001		<0.001	
3/16/2018					0.00036 (J)		<0.001
9/12/2018	<0.001	<0.001					
9/13/2018			<0.001	<0.001	0.00021 (J)	<0.001	
9/14/2018							<0.001
3/13/2019		<0.001					
3/14/2019	<0.001		<0.001				<0.001
3/18/2019				<0.001		<0.001	
3/19/2019					0.00027 (J)		

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.001	<0.01		
3/11/2016		0.00202 (J)					
3/15/2016	<0.001						
3/16/2016			<0.001				
3/17/2016						<0.001	
5/13/2016	<0.01	<0.01					
5/16/2016			<0.01				<0.01 (D)
5/17/2016				<0.01			
5/18/2016					<0.01	<0.01	
7/19/2016		<0.01					
7/21/2016	<0.01						
7/25/2016			<0.01				
7/26/2016				<0.01			
7/27/2016					<0.01	<0.01	0.002 (JD)
9/16/2016		<0.01					
9/19/2016			<0.01				
9/20/2016				<0.01	<0.01		
9/21/2016	<0.01					<0.01	
11/2/2016		<0.01					
11/3/2016	<0.01		<0.01				
11/4/2016				<0.01	<0.01	<0.01	
1/17/2017	<0.01						
1/18/2017		<0.01					
1/20/2017			<0.01	<0.01	<0.01		
1/24/2017						<0.01	
2/21/2017							<0.01
3/27/2017	<0.01						<0.01 (D)
3/28/2017		<0.01		<0.01			
3/29/2017			<0.01		<0.01	<0.01	
9/22/2017		<0.01					
9/25/2017	<0.01						
9/27/2017			<0.01		<0.01		
9/29/2017				<0.01		<0.01	<0.01 (D)
3/14/2018	<0.01						
3/15/2018		<0.01	<0.01	<0.01		<0.01	
3/16/2018					<0.01		<0.01
9/12/2018	<0.01	<0.01					
9/13/2018			<0.01	<0.01	<0.01	<0.01	
9/14/2018							<0.01
3/13/2019		<0.01					
3/14/2019	<0.01		<0.01				<0.01
3/18/2019				<0.01		<0.01	
3/19/2019					<0.01		

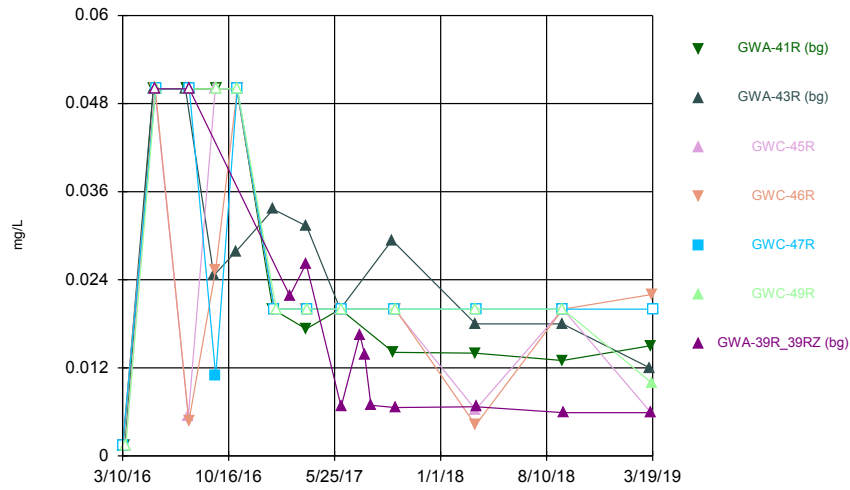
# Time Series

Constituent: Zinc (mg/L) Analysis Run 5/1/2019 2:47 PM View: cell 9&10 metals bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

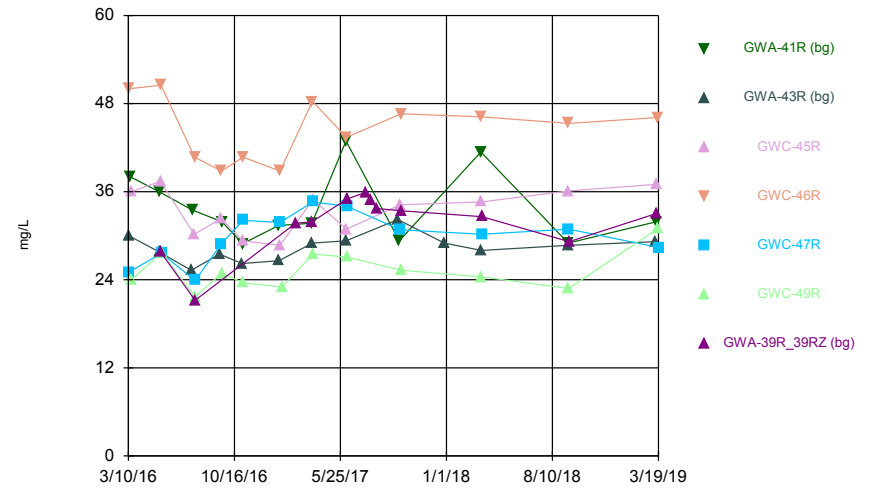
	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				0.00373 (J)	0.0154		
3/11/2016		0.00722 (J)					
3/15/2016	0.00286 (J)						
3/16/2016			0.000113 (J)				
3/17/2016						<0.01	
5/13/2016	<0.01	0.00666 (J)					
5/16/2016			0.00452 (J)				<0.01 (D)
5/17/2016				0.00268 (J)			
5/18/2016					0.0136	<0.01	
7/19/2016		<0.01 (*)					
7/21/2016	<0.01 (*)						
7/25/2016			<0.01 (*)				
7/26/2016				<0.01 (*)			
7/27/2016					0.0153	<0.01 (*)	<0.01 (*)
9/16/2016		<0.01					
9/19/2016			0.0034 (J)				
9/20/2016				0.0058 (J)	0.0173		
9/21/2016	<0.01					<0.01	
11/2/2016		0.0057 (J)					
11/3/2016	<0.01		0.0039 (J)				
11/4/2016				0.0029 (J)	0.0149	<0.01	
1/17/2017	<0.01						
1/18/2017		0.0022 (J)					
1/20/2017			0.0023 (J)	<0.01	0.0134		
1/24/2017						<0.01	
2/21/2017							0.0049 (J)
3/27/2017	<0.01 (*)						<0.01 (*)
3/28/2017		<0.01		<0.01 (*)			
3/29/2017			<0.01 (*)		<0.0117 (*)	<0.01 (*)	
9/22/2017		0.0014 (J)					
9/25/2017	0.0023 (J)						
9/27/2017			0.0036 (J)		0.0111		
9/29/2017				0.0016 (J)		<0.01	0.0012 (JD)
3/14/2018	<0.01						
3/15/2018		<0.01	<0.01	<0.01		<0.01	
3/16/2018					0.012		0.0042 (J)
9/12/2018	<0.01	<0.01					
9/13/2018			<0.01	<0.01	<0.01	<0.01	
9/14/2018							<0.01
3/13/2019		0.0023 (J)					
3/14/2019	0.0021 (J)		0.0022 (J)				0.0035 (J)
3/18/2019				<0.01		<0.01	
3/19/2019					0.016		

Time Series



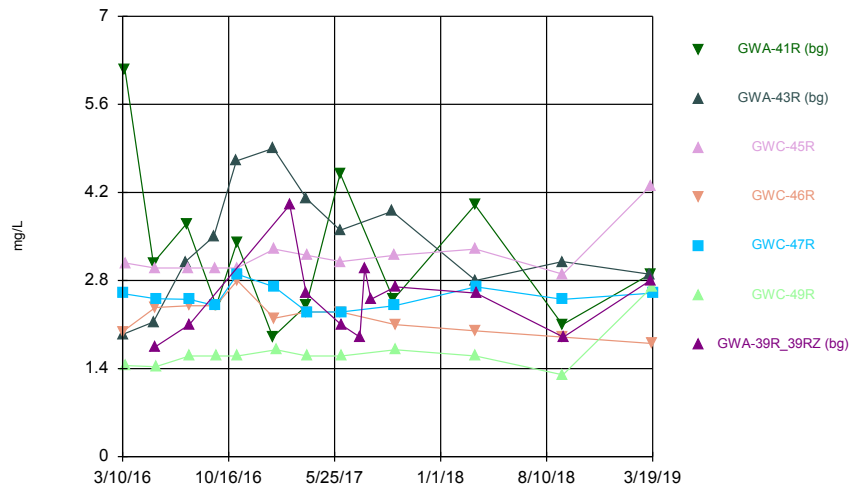
Constituent: Boron Analysis Run 4/26/2019 1:05 PM View: cell 9&10 applll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



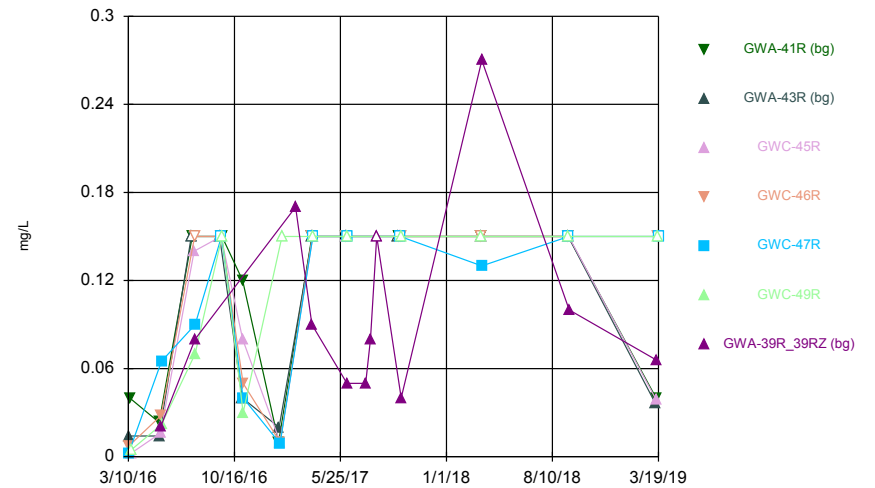
Constituent: Calcium Analysis Run 4/26/2019 1:06 PM View: cell 9&10 applll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Chloride Analysis Run 4/26/2019 1:06 PM View: cell 9&10 applll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

Time Series



Constituent: Fluoride Analysis Run 4/26/2019 1:06 PM View: cell 9&10 applll bedrock  
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR



# Time Series

Constituent: Boron (mg/L) Analysis Run 4/26/2019 1:14 PM View: cell 9&10 applll bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				<0.003	<0.003		
3/11/2016		<0.003					
3/15/2016	<0.003						
3/16/2016			<0.003				
3/17/2016						<0.003	
5/13/2016	<0.1	<0.1					
5/16/2016			<0.1				<0.1 (D)
5/17/2016				<0.1			
5/18/2016					<0.1	<0.1	
7/19/2016		<0.1 (*)					
7/21/2016	<0.1 (*)						
7/25/2016			0.0054 (J)				
7/26/2016				0.0047 (J)			
7/27/2016					<0.1	<0.1 (*)	<0.1 (*)
9/16/2016		0.0246 (J)					
9/19/2016			<0.1				
9/20/2016				0.0254 (J)	0.0109 (J)		
9/21/2016	<0.1 (*)					<0.1 (*)	
11/2/2016		0.0279 (J)					
11/3/2016	<0.1		<0.1				
11/4/2016				<0.1	<0.1	<0.1	
1/17/2017	<0.04						
1/18/2017		0.0336 (J)					
1/20/2017			<0.04	<0.04	<0.04		
1/24/2017						<0.04	
2/21/2017							0.0218 (JD)
3/27/2017	0.0173 (J)						0.0262 (JD)
3/28/2017		0.0313 (J)		<0.04			
3/29/2017			<0.04		<0.04	<0.04	
6/6/2017	<0.04 (*)	<0.04 (*)					
6/7/2017			<0.04 (*)	<0.04 (*)			
6/8/2017					<0.04	<0.04	0.0067 (JD)
7/17/2017							0.0165 (JD)
7/27/2017							0.0138 (JD)
8/9/2017							0.0069 (JD)
9/22/2017		0.0294 (J)					
9/25/2017	0.0141 (J)						
9/27/2017			<0.04		<0.04		
9/29/2017				<0.04		<0.04	0.0066 (JD)
3/14/2018	0.014 (J)						
3/15/2018		0.018 (J)	0.0063 (J)	0.0042 (J)		<0.04	
3/16/2018					<0.04		0.0067 (J)
9/12/2018	0.013 (J)	0.018 (J)					
9/13/2018			<0.04	<0.04	<0.04	<0.04	
9/14/2018							0.0059 (J)
3/13/2019		0.012 (J)					
3/14/2019	0.015 (J)		0.006 (J)				0.0059 (J)
3/18/2019				0.022 (J)		0.0099 (J)	
3/19/2019					<0.04		

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/26/2019 1:14 PM View: cell 9&10 appll bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				50	25		
3/11/2016		30					
3/15/2016	38						
3/16/2016			36				
3/17/2016						24	
5/13/2016	36	27.8					
5/16/2016			37.4				27.8 (D)
5/17/2016				50.5			
5/18/2016					27.6	27.7	
7/19/2016		25.3					
7/21/2016	33.5						
7/25/2016			30.2				
7/26/2016				40.7			
7/27/2016					23.9	21.7	21.2 (D)
9/16/2016		27.5					
9/19/2016			32.3				
9/20/2016				38.8	28.9		
9/21/2016	31.9					24.9	
11/2/2016		26.2					
11/3/2016	28.9		29.3				
11/4/2016				40.7	32.1	23.6	
1/17/2017	31.4						
1/18/2017		26.6					
1/20/2017			28.7	38.8	31.8		
1/24/2017						23	
2/21/2017							31.7 (D)
3/27/2017	31.7						31.9 (D)
3/28/2017		29		48.3			
3/29/2017			34.9		34.6	27.5	
6/6/2017	42.9	29.3					
6/7/2017			30.9	43.4			
6/8/2017					34	27.1	35 (D)
7/17/2017							35.9 (D)
7/27/2017							34.9 (D)
8/9/2017							33.7 (D)
9/22/2017		32.2					
9/25/2017	29.3						
9/27/2017			34.2		30.8		
9/29/2017				46.6		25.3	33.4 (D)
12/28/2017		29 (Y)					
3/14/2018	41.4						
3/15/2018		28	34.6	46.2		24.4 (J)	
3/16/2018					30.2		32.6
9/12/2018	29	28.7					
9/13/2018			36.1	45.3	30.9	22.8 (J)	
9/14/2018							29.2
3/13/2019		29.2					
3/14/2019	31.9		37				33
3/18/2019				46.1		31	
3/19/2019					28.4		

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/26/2019 1:14 PM View: cell 9&10 appll bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				1.9859	2.5934		
3/11/2016		1.9467					
3/15/2016	6.1465						
3/16/2016			3.0774				
3/17/2016						1.4476	
5/13/2016	3.08	2.14					
5/16/2016			3				1.74 (D)
5/17/2016				2.37			
5/18/2016					2.51	1.43	
7/19/2016		3.1					
7/21/2016	3.7						
7/25/2016			3				
7/26/2016				2.4			
7/27/2016					2.5	1.6	2.1 (D)
9/16/2016		3.5					
9/19/2016			3				
9/20/2016				2.4	2.4		
9/21/2016	2.4					1.6	
11/2/2016		4.7					
11/3/2016	3.4		3				
11/4/2016				2.8	2.9	1.6	
1/17/2017	1.9						
1/18/2017		4.9					
1/20/2017			3.3	2.2	2.7		
1/24/2017						1.7	
2/21/2017							4 (D)
3/27/2017	2.4						2.6 (D)
3/28/2017		4.1		2.3			
3/29/2017			3.2		2.3	1.6	
6/6/2017	4.5	3.6					
6/7/2017			3.1	2.3			
6/8/2017					2.3	1.6	2.1 (D)
7/17/2017							1.9 (D)
7/27/2017							3 (D)
8/9/2017							2.5 (D)
9/22/2017		3.9					
9/25/2017	2.5						
9/27/2017			3.2		2.4		
9/29/2017				2.1		1.7	2.7 (D)
3/14/2018	4 (J)						
3/15/2018		2.8	3.3	2		1.6	
3/16/2018					2.7		2.6
9/12/2018	2.1	3.1					
9/13/2018			2.9	1.9	2.5	1.3	
9/14/2018							1.9
3/13/2019		2.9					
3/14/2019	2.9		4.3				2.8
3/18/2019				1.8		2.7	
3/19/2019					2.6		

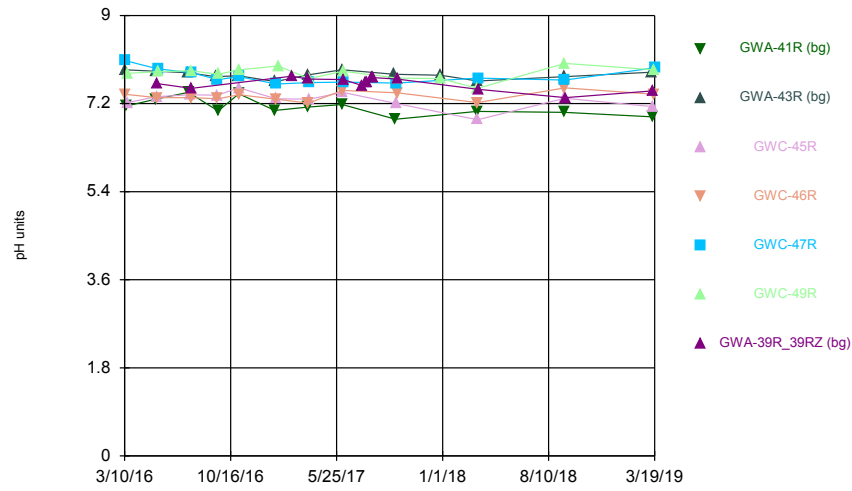
# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/26/2019 1:14 PM View: cell 9&10 appll bedrock

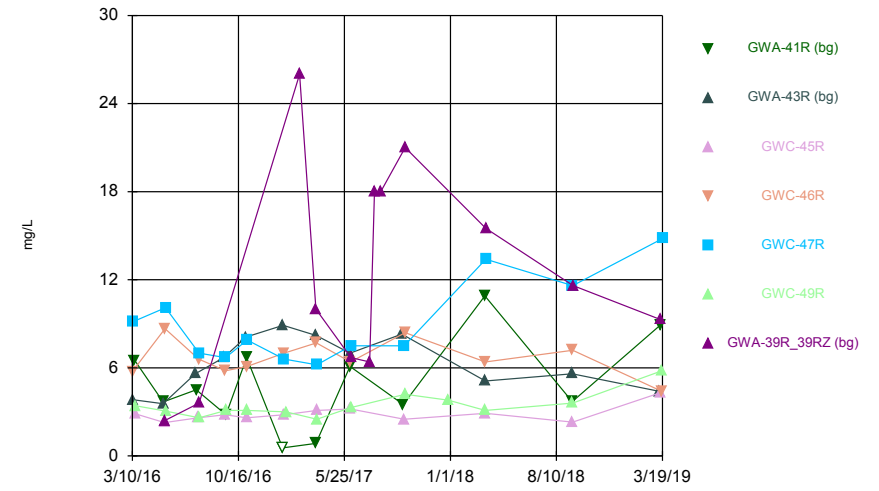
Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				0.00697 (J)	0.00202 (J)		
3/11/2016		0.0141 (J)					
3/15/2016	0.0394 (J)						
3/16/2016			0.00244 (J)				
3/17/2016						<0.01	
5/13/2016	0.0234 (J)	0.0141 (J)					
5/16/2016			0.0161 (J)				0.0202 (JD)
5/17/2016				0.0281 (J)			
5/18/2016					0.065 (J)	0.022 (J)	
7/19/2016		<0.3					
7/21/2016	<0.3						
7/25/2016			0.14 (J)				
7/26/2016				<0.3			
7/27/2016					0.09 (J)	0.07 (J)	0.08 (JD)
9/16/2016		<0.3					
9/19/2016			<0.3				
9/20/2016				<0.3	<0.3		
9/21/2016	<0.3					<0.3	
11/2/2016		0.04 (J)					
11/3/2016	0.12 (J)		0.08 (J)				
11/4/2016				0.05 (J)	0.04 (J)	0.03 (J)	
1/17/2017	0.01 (J)						
1/18/2017		0.02 (J)					
1/20/2017			0.01 (J)	0.01 (J)	0.009 (J)		
1/24/2017						<0.3	
2/21/2017							0.17 (JD)
3/27/2017	<0.3						0.09 (JD)
3/28/2017		<0.3		<0.3			
3/29/2017			<0.3		<0.3	<0.3	
6/6/2017	<0.3	<0.3					
6/7/2017			<0.3	<0.3			
6/8/2017					<0.3 (*)	<0.3 (*)	0.05 (JD)
7/17/2017							0.05 (JD)
7/27/2017							0.08 (JD)
8/9/2017							<0.3 (*)
9/22/2017		<0.3					
9/25/2017	<0.3						
9/27/2017			<0.3		<0.3		
9/29/2017				<0.3		<0.3	0.04 (JD)
3/14/2018	<0.3						
3/15/2018		<0.3	<0.3	<0.3		<0.3	
3/16/2018					0.13 (J)		0.27 (JD)
9/12/2018	<0.3	<0.3					
9/13/2018			<0.3	<0.3	<0.3	<0.3	
9/14/2018							0.1 (J)
3/13/2019		0.036 (J)					
3/14/2019	0.04 (J)		0.039 (J)				0.066 (J)
3/18/2019				<0.3		<0.3	
3/19/2019					<0.3		

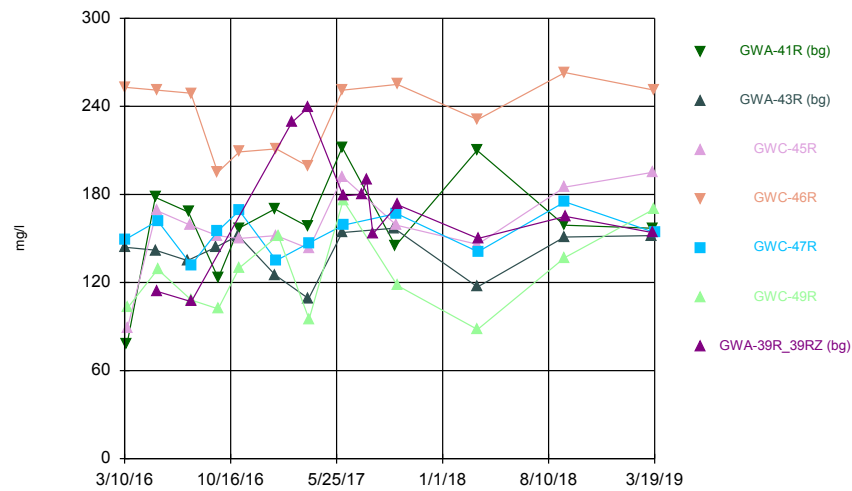
Time Series



Time Series



Time Series



# Time Series

Constituent: pH (pH units) Analysis Run 4/26/2019 1:14 PM View: cell 9&10 appIII bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				7.39	8.08		
3/11/2016		7.89					
3/15/2016	7.15						
3/16/2016			7.22				
3/17/2016						7.82	
5/13/2016	7.29	7.86					
5/16/2016			7.34				7.61 (D)
5/17/2016				7.32			
5/18/2016					7.91	7.85	
7/19/2016		7.83					
7/21/2016	7.43						
7/25/2016			7.38				
7/26/2016				7.32			
7/27/2016					7.83	7.87	7.51 (D)
9/16/2016		7.75					
9/19/2016			7.37				
9/20/2016				7.3	7.69		
9/21/2016	7.05					7.8	
11/2/2016		7.77					
11/3/2016	7.4		7.52				
11/4/2016				7.38	7.75	7.89	
1/17/2017	7.06						
1/18/2017		7.65					
1/20/2017			7.3	7.29	7.6		
1/24/2017						7.97	
2/21/2017							7.76 (D)
3/27/2017	7.13						7.7 (D)
3/28/2017		7.79		7.21			
3/29/2017			7.29		7.63	7.71	
6/6/2017	7.18	7.89					
6/7/2017			7.43	7.47			
6/8/2017					7.64	7.86	7.69 (D)
7/17/2017							7.57 (D)
7/26/2017							7.63
7/27/2017							7.63
8/8/2017							7.73
8/9/2017							7.73
9/22/2017		7.8					
9/25/2017	6.88						
9/27/2017			7.2		7.62		
9/29/2017				7.42		7.72	7.7 (D)
12/28/2017		7.78 (Y)				7.71 (Y)	
3/14/2018	7.04						
3/15/2018		7.66	6.87	7.22		7.51	
3/16/2018					7.72		7.49
9/12/2018	7.02	7.75					
9/13/2018			7.31	7.52	7.68	8.02	
9/14/2018							7.32
3/13/2019		7.84					
3/14/2019	6.93		7.14				7.46
3/18/2019				7.39		7.89	
3/19/2019					7.93		

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/26/2019 1:14 PM View: cell 9&10 applll bedrock

Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				5.7554	9.1279		
3/11/2016		3.8282					
3/15/2016	6.4987						
3/16/2016			2.8721				
3/17/2016						3.4197	
5/13/2016	3.68	3.56					
5/16/2016			2.27				2.4 (D)
5/17/2016				8.67			
5/18/2016					10.1	3.06	
7/19/2016		5.6					
7/21/2016	4.5						
7/25/2016			2.6				
7/26/2016				6.6			
7/27/2016					7	2.6	3.6 (D)
9/16/2016		6.7					
9/19/2016			2.8				
9/20/2016				5.8	6.7		
9/21/2016	2.8					3.1	
11/2/2016		8.1					
11/3/2016	6.7		2.6				
11/4/2016				6.1	7.9	3.1	
1/17/2017	<1.1 (*)						
1/18/2017		8.9					
1/20/2017			2.8	7	6.6		
1/24/2017						3	
2/21/2017							26 (D)
3/27/2017	0.85 (J)						10 (D)
3/28/2017		8.2		7.7			
3/29/2017			3.1		6.2	2.5	
6/6/2017	6.1	7					
6/7/2017			3.2	6.4			
6/8/2017					7.5	3.3	6.7 (D)
7/17/2017							6.4 (D)
7/27/2017							18 (D)
8/9/2017							18 (D)
9/22/2017		8.3					
9/25/2017	3.5						
9/27/2017			2.5		7.5		
9/29/2017				8.4		4.2	21 (D)
12/28/2017						3.8 (Y)	
3/14/2018	10.9 (J)						
3/15/2018		5.1	2.9	6.4		3.1	
3/16/2018					13.4		15.5
9/12/2018	3.7	5.6					
9/13/2018			2.3	7.2	11.6	3.6	
9/14/2018							11.6
3/13/2019		4.4					
3/14/2019	8.9		4.3				9.3
3/18/2019				4.4		5.8	
3/19/2019					14.8		

# Time Series

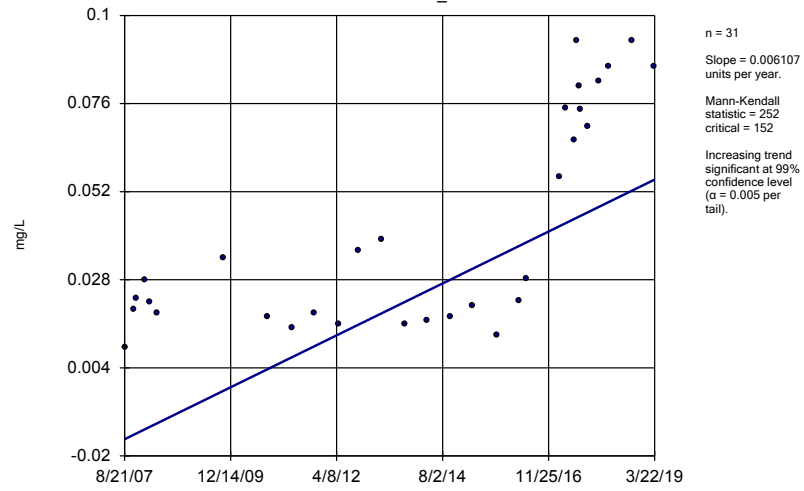
Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/26/2019 1:14 PM View: cell 9&10 appll bedrock  
 Plant Bowen Client: Southern Company Data: Copy of Bowen 9&10 CCR

	GWA-41R (bg)	GWA-43R (bg)	GWC-45R	GWC-46R	GWC-47R	GWC-49R	GWA-39R_39RZ ...
3/10/2016				253	149		
3/11/2016		144					
3/15/2016	78						
3/16/2016			89				
3/17/2016						103	
5/13/2016	178	142					
5/16/2016			169				114 (D)
5/17/2016				251			
5/18/2016					162	129	
7/19/2016		135					
7/21/2016	168						
7/25/2016			159				
7/26/2016				249			
7/27/2016					132	108	107 (D)
9/16/2016		144					
9/19/2016			152				
9/20/2016				195	155		
9/21/2016	123					102	
11/2/2016		152					
11/3/2016	157		150				
11/4/2016				209	169	130	
1/17/2017	170						
1/18/2017		125					
1/20/2017			152	211	135		
1/24/2017						152	
2/21/2017							229 (D)
3/27/2017	158						239 (D)
3/28/2017		109		199			
3/29/2017			143		147	95	
6/6/2017	212	154					
6/7/2017			192	251			
6/8/2017					159	176	179 (D)
7/17/2017							180 (D)
7/27/2017							190 (D)
8/9/2017							153 (D)
9/22/2017		157					
9/25/2017	145						
9/27/2017			159		167		
9/29/2017				255		118	173 (D)
3/14/2018	210						
3/15/2018		117	146	231		88	
3/16/2018					141		150
9/12/2018	159	151					
9/13/2018			185	263	175	137	
9/14/2018							165
3/13/2019		152					
3/14/2019	157		195				154
3/18/2019				251		170	
3/19/2019					154		



**APPENDIX C**  
**STATISTICAL RESULTS**

Sen's Slope Estimator  
GWC-13R\_13RZ



Constituent: Barium Analysis Run 8/22/2019 2:36 PM View: 13 barium  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/22/2019 2:37 PM View: 13 barium

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWC-13R\_13RZ

8/21/2007	0.0095
11/1/2007	0.02
11/19/2007	0.023
1/31/2008	0.028
3/5/2008	0.022
5/7/2008	0.019
12/12/2008	0.19 (O)
4/29/2009	0.14 (O)
10/21/2009	0.034
4/28/2010	0.11 (O)
10/6/2010	0.018
4/20/2011	0.015
10/12/2011	0.019
4/25/2012	0.0158
10/2/2012	0.036
4/2/2013	0.039
10/8/2013	0.016
4/1/2014	0.017
10/1/2014	0.018
3/31/2015	0.021
10/14/2015	0.013
4/4/2016	0.0222
6/1/2016	0.0283
2/22/2017	0.0561
4/11/2017	0.0748
6/16/2017	0.0661
7/12/2017	0.0932
7/28/2017	0.0808
8/10/2017	0.0743
10/6/2017	0.0699
12/28/2017	0.082 (Y)
3/23/2018	0.086
9/20/2018	0.093
3/22/2019	0.086

# Intrawell Prediction Limit Summary Table – Metals Cells 1 & 2 OB Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 9:14 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
<b>Zinc (mg/L)</b>	<b>GWC-13</b>	<b>0.02</b>	<b>n/a</b>	<b>3/23/2019</b>	<b>0.021</b>	<b>Yes</b>	<b>23</b>	<b>26.09</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3

# Intrawell Prediction Limit Summary Table – Metals Cells 1 & 2 OB All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 9:14 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	GWA-3	0.0068	n/a	n/a	1 future	n/a	32	68.75	n/a	0.000...	NP (NDs) 1 of 3
Antimony (mg/L)	GWA-50	0.0025	n/a	3/19/2019	0.0015ND	No	26	92.31	n/a	0.000...	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-10	0.0030	n/a	3/22/2019	0.0015ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-11	0.0025	n/a	n/a	1 future	n/a	32	96.88	n/a	0.000...	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-12	0.0030	n/a	3/23/2019	0.0015ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-13	0.0030	n/a	3/23/2019	0.0015ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-14_14Z	0.0050	n/a	3/22/2019	0.0015ND	No	32	87.5	n/a	0.000...	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-15_15Z	0.053	n/a	3/22/2019	0.0015ND	No	32	81.25	n/a	0.000...	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-5	0.028	n/a	3/20/2019	0.0015ND	No	32	93.75	n/a	0.000...	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-6	0.0035	n/a	3/21/2019	0.0015ND	No	32	93.75	n/a	0.000...	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-7Z	0.0015	n/a	3/21/2019	0.0015ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-8Z	0.0030	n/a	5/6/2019	0.0015ND	No	15	100	n/a	0.001313	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-9	0.0025	n/a	3/21/2019	0.0015ND	No	32	96.88	n/a	0.000...	NP (NDs) 1 of 3
Arsenic (mg/L)	GWA-3	0.0050	n/a	3/20/2019	0.0025ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Arsenic (mg/L)	GWA-50	0.0050	n/a	3/19/2019	0.0025ND	No	26	100	n/a	0.000...	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-10	0.015	n/a	3/22/2019	0.0025ND	No	32	87.5	n/a	0.000...	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.0025	n/a	3/23/2019	0.0025ND	No	32	96.88	n/a	0.000...	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.012	n/a	3/23/2019	0.0055	No	31	29.03	No	0.000...	Param 1 of 3
Arsenic (mg/L)	GWC-13	0.0096	n/a	n/a	1 future	n/a	32	78.13	n/a	0.000...	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-14_14Z	0.014	n/a	3/22/2019	0.0025ND	No	32	84.38	n/a	0.000...	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-15_15Z	0.0077	n/a	3/22/2019	0.0025ND	No	32	75	n/a	0.000...	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-5	0.0025	n/a	3/20/2019	0.0025ND	No	32	96.88	n/a	0.000...	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-6	0.014	n/a	3/21/2019	0.0025ND	No	32	90.63	n/a	0.000...	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-7Z	0.0049	n/a	n/a	1 future	n/a	11	18.18	No	0.000...	Param 1 of 3
Arsenic (mg/L)	GWC-8Z	0.0025	n/a	n/a	1 future	n/a	15	93.33	n/a	0.001313	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.024	n/a	3/21/2019	0.0025ND	No	32	90.63	n/a	0.000...	NP (NDs) 1 of 3
Barium (mg/L)	GWA-3	0.021	n/a	n/a	1 future	n/a	32	3.125	n/a	0.000...	NP (normality) 1 of 3
Barium (mg/L)	GWA-50	0.098	n/a	3/19/2019	0.012	No	26	3.846	n/a	0.000...	NP (normality) 1 of 3
Barium (mg/L)	GWC-10	0.12	n/a	3/22/2019	0.024	No	32	0	n/a	0.000...	NP (normality) 1 of 3
Barium (mg/L)	GWC-11	0.12	n/a	n/a	1 future	n/a	32	3.125	n/a	0.000...	NP (normality) 1 of 3
Barium (mg/L)	GWC-12	0.13	n/a	3/23/2019	0.024	No	32	0	n/a	0.000...	NP (normality) 1 of 3
Barium (mg/L)	GWC-13	0.072	n/a	3/23/2019	0.023	No	32	0	ln(x)	0.000...	Param 1 of 3
Barium (mg/L)	GWC-14_14Z	0.096	n/a	3/22/2019	0.014	No	32	6.25	ln(x)	0.000...	Param 1 of 3
Barium (mg/L)	GWC-15_15Z	0.032	n/a	3/22/2019	0.014	No	32	3.125	ln(x)	0.000...	Param 1 of 3
Barium (mg/L)	GWC-5	0.13	n/a	3/20/2019	0.018	No	32	0	n/a	0.000...	NP (normality) 1 of 3
Barium (mg/L)	GWC-6	0.11	n/a	n/a	1 future	n/a	32	3.125	n/a	0.000...	NP (normality) 1 of 3
Barium (mg/L)	GWC-7Z	0.04	n/a	3/21/2019	0.03	No	11	0	No	0.000...	Param 1 of 3
Barium (mg/L)	GWC-8Z	0.053	n/a	5/6/2019	0.017	No	15	0	sqrt(x)	0.000...	Param 1 of 3
Barium (mg/L)	GWC-9	0.16	n/a	3/21/2019	0.042	No	32	0	n/a	0.000...	NP (normality) 1 of 3
Beryllium (mg/L)	GWA-3	0.0030	n/a	3/20/2019	0.0015ND	No	14	100	n/a	0.0016	NP (NDs) 1 of 3
Beryllium (mg/L)	GWA-50	0.0030	n/a	3/19/2019	0.0015ND	No	14	100	n/a	0.0016	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-10	0.0015	n/a	n/a	1 future	n/a	14	71.43	n/a	0.0016	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-11	0.0030	n/a	n/a	1 future	n/a	14	100	n/a	0.0016	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-12	0.0030	n/a	3/23/2019	0.0015ND	No	14	100	n/a	0.0016	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-13	0.0015	n/a	n/a	1 future	n/a	14	57.14	n/a	0.0016	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-14_14Z	0.0015	n/a	n/a	1 future	n/a	14	78.57	n/a	0.0016	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-15_15Z	0.0030	n/a	3/22/2019	0.0015ND	No	14	100	n/a	0.0016	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-5	0.0015	n/a	n/a	1 future	n/a	14	14.29	ln(x)	0.000...	Param 1 of 3
Beryllium (mg/L)	GWC-6	0.0015	n/a	3/21/2019	0.0015ND	No	14	78.57	n/a	0.0016	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-7Z	0.0030	n/a	3/21/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3

# Intrawell Prediction Limit Summary Table – Metals Cells 1 & 2 OB All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 9:14 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Beryllium (mg/L)	GWC-8Z	0.0015	n/a	n/a	1 future	n/a	15	93.33	n/a	0.001313	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.0015	n/a	n/a	1 future	n/a	14	35.71	n/a	0.0016	NP (normality) 1 of 3
Cadmium (mg/L)	GWA-3	0.0010	n/a	3/20/2019	0.0005ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Cadmium (mg/L)	GWA-50	0.00065	n/a	3/19/2019	0.0005ND	No	26	96.15	n/a	0.000...	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-10	0.0010	n/a	3/22/2019	0.0005ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-11	0.0010	n/a	3/23/2019	0.0005ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-12	0.00065	n/a	n/a	1 future	n/a	32	68.75	n/a	0.000...	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-13	0.0010	n/a	3/23/2019	0.0005ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-14_14Z	0.00065	n/a	3/22/2019	0.0005ND	No	32	96.88	n/a	0.000...	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-15_15Z	0.0010	n/a	3/22/2019	0.0005ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-5	0.0010	n/a	3/20/2019	0.0005ND	No	32	78.13	n/a	0.000...	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-6	0.00065	n/a	3/21/2019	0.0005ND	No	32	93.75	n/a	0.000...	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-7Z	0.00050	n/a	3/21/2019	0.0005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-8Z	0.00065	n/a	5/6/2019	0.0005ND	No	15	86.67	n/a	0.001313	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-9	0.0010	n/a	3/21/2019	0.0005ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Chromium (mg/L)	GWA-3	0.17	n/a	3/20/2019	0.005ND	No	32	78.13	n/a	0.000...	NP (NDs) 1 of 3
Chromium (mg/L)	GWA-50	0.0050	n/a	3/19/2019	0.005ND	No	26	88.46	n/a	0.000...	NP (NDs) 1 of 3
Chromium (mg/L)	GWC-10	0.042	n/a	3/22/2019	0.005ND	No	32	46.88	n/a	0.000...	NP (xform) 1 of 3
Chromium (mg/L)	GWC-11	0.025	n/a	3/23/2019	0.005ND	No	32	28.13	n/a	0.000...	NP (normality) 1 of 3
Chromium (mg/L)	GWC-12	0.039	n/a	3/23/2019	0.005ND	No	32	71.88	n/a	0.000...	NP (NDs) 1 of 3
Chromium (mg/L)	GWC-13	0.02	n/a	n/a	1 future	n/a	32	0	ln(x)	0.000...	Param 1 of 3
Chromium (mg/L)	GWC-14_14Z	0.083	n/a	3/22/2019	0.005ND	No	32	25	n/a	0.000...	NP (xform) 1 of 3
Chromium (mg/L)	GWC-15_15Z	0.085	n/a	3/22/2019	0.005ND	No	32	46.88	n/a	0.000...	NP (normality) 1 of 3
Chromium (mg/L)	GWC-5	0.032	n/a	3/20/2019	0.005ND	No	32	53.13	n/a	0.000...	NP (NDs) 1 of 3
Chromium (mg/L)	GWC-6	0.064	n/a	n/a	1 future	n/a	32	31.25	n/a	0.000...	NP (xform) 1 of 3
Chromium (mg/L)	GWC-7Z	0.010	n/a	3/21/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Chromium (mg/L)	GWC-8Z	0.048	n/a	n/a	1 future	n/a	15	40	n/a	0.001313	NP (xform) 1 of 3
Chromium (mg/L)	GWC-9	0.078	n/a	3/21/2019	0.005ND	No	32	75	n/a	0.000...	NP (NDs) 1 of 3
Cobalt (mg/L)	GWA-3	0.0057	n/a	3/20/2019	0.005ND	No	32	37.5	n/a	0.000...	NP (normality) 1 of 3
Cobalt (mg/L)	GWA-50	0.010	n/a	3/19/2019	0.005ND	No	26	100	n/a	0.000...	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-10	0.013	n/a	n/a	1 future	n/a	32	65.63	n/a	0.000...	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-11	0.016	n/a	3/23/2019	0.005ND	No	32	78.13	n/a	0.000...	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-12	0.98	n/a	n/a	1 future	n/a	32	9.375	n/a	0.000...	NP (normality) 1 of 3
Cobalt (mg/L)	GWC-13	0.011	n/a	3/23/2019	0.005ND	No	32	87.5	n/a	0.000...	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-14_14Z	0.011	n/a	3/22/2019	0.005ND	No	32	78.13	n/a	0.000...	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-15_15Z	0.069	n/a	3/22/2019	0.005ND	No	32	90.63	n/a	0.000...	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-5	0.0073	n/a	3/20/2019	0.005ND	No	32	53.13	n/a	0.000...	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-6	0.0050	n/a	3/21/2019	0.005ND	No	32	87.5	n/a	0.000...	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-7Z	0.0050	n/a	n/a	1 future	n/a	11	9.091	n/a	0.002806	NP (normality) 1 of 3
Cobalt (mg/L)	GWC-8Z	0.0050	n/a	5/6/2019	0.005ND	No	15	80	n/a	0.001313	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-9	0.13	n/a	3/21/2019	0.005ND	No	32	68.75	n/a	0.000...	NP (NDs) 1 of 3
Copper (mg/L)	GWA-3	0.051	n/a	3/20/2019	0.026	No	27	0	No	0.000...	Param 1 of 3
Copper (mg/L)	GWA-50	0.018	n/a	n/a	1 future	n/a	21	19.05	sqrt(x)	0.000...	Param 1 of 3
Copper (mg/L)	GWC-10	0.013	n/a	3/22/2019	0.0125ND	No	27	74.07	n/a	0.000256	NP (NDs) 1 of 3
Copper (mg/L)	GWC-11	0.013	n/a	3/23/2019	0.0125ND	No	27	85.19	n/a	0.000256	NP (NDs) 1 of 3
Copper (mg/L)	GWC-12	0.013	n/a	3/23/2019	0.0125ND	No	27	70.37	n/a	0.000256	NP (NDs) 1 of 3
Copper (mg/L)	GWC-13	0.013	n/a	3/23/2019	0.0125ND	No	27	85.19	n/a	0.000256	NP (NDs) 1 of 3
Copper (mg/L)	GWC-14_14Z	0.013	n/a	3/22/2019	0.0125ND	No	27	66.67	n/a	0.000256	NP (NDs) 1 of 3
Copper (mg/L)	GWC-15_15Z	0.021	n/a	3/22/2019	0.0125ND	No	26	69.23	n/a	0.000...	NP (NDs) 1 of 3
Copper (mg/L)	GWC-5	0.056	n/a	n/a	1 future	n/a	26	0	No	0.000...	Param 1 of 3

# Intrawell Prediction Limit Summary Table – Metals Cells 1 & 2 OB All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 9:14 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Copper (mg/L)	GWC-6	0.013	n/a	n/a	1 future	n/a	27	59.26	n/a	0.000256	NP (NDs) 1 of 3
Copper (mg/L)	GWC-7Z	0.013	n/a	3/21/2019	0.0125ND	No	5	60	n/a	0.01896	NP (NDs) 1 of 3
Copper (mg/L)	GWC-8Z	0.013	n/a	5/6/2019	0.0125ND	No	10	70	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWC-9	0.013	n/a	3/21/2019	0.0125ND	No	27	66.67	n/a	0.000256	NP (NDs) 1 of 3
Lead (mg/L)	GWA-3	0.0050	n/a	3/20/2019	0.0025ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Lead (mg/L)	GWA-50	0.0065	n/a	3/19/2019	0.0025ND	No	26	92.31	n/a	0.000...	NP (NDs) 1 of 3
Lead (mg/L)	GWC-10	0.0050	n/a	3/22/2019	0.0025ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Lead (mg/L)	GWC-11	0.0065	n/a	3/23/2019	0.0025ND	No	32	96.88	n/a	0.000...	NP (NDs) 1 of 3
Lead (mg/L)	GWC-12	0.0050	n/a	3/23/2019	0.0025ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Lead (mg/L)	GWC-13	0.0065	n/a	3/23/2019	0.0025ND	No	32	84.38	n/a	0.000...	NP (NDs) 1 of 3
Lead (mg/L)	GWC-14_14Z	0.0065	n/a	3/22/2019	0.0025ND	No	32	96.88	n/a	0.000...	NP (NDs) 1 of 3
Lead (mg/L)	GWC-15_15Z	0.0050	n/a	3/22/2019	0.0025ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Lead (mg/L)	GWC-5	0.0050	n/a	3/20/2019	0.0025ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Lead (mg/L)	GWC-6	0.0065	n/a	3/21/2019	0.0025ND	No	32	93.75	n/a	0.000...	NP (NDs) 1 of 3
Lead (mg/L)	GWC-7Z	0.0025	n/a	3/21/2019	0.0025ND	No	11	45.45	n/a	0.002806	NP (normality) 1 of 3
Lead (mg/L)	GWC-8Z	0.0065	n/a	n/a	1 future	n/a	15	46.67	n/a	0.001313	NP (normality) 1 of 3
Lead (mg/L)	GWC-9	0.0065	n/a	3/21/2019	0.0025ND	No	32	78.13	n/a	0.000...	NP (NDs) 1 of 3
Mercury (mg/L)	GWA-3	0.00050	n/a	3/20/2019	0.00025ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Mercury (mg/L)	GWA-50	0.00030	n/a	3/19/2019	0.00025ND	No	26	96.15	n/a	0.000...	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-10	0.00050	n/a	3/22/2019	0.00025ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-11	0.00030	n/a	3/23/2019	0.00025ND	No	32	93.75	n/a	0.000...	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-12	0.00030	n/a	3/23/2019	0.00025ND	No	32	93.75	n/a	0.000...	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-13	0.00030	n/a	3/23/2019	0.00025ND	No	32	96.88	n/a	0.000...	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-14_14Z	0.00050	n/a	3/22/2019	0.00025ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-15_15Z	0.00030	n/a	3/22/2019	0.00025ND	No	32	96.88	n/a	0.000...	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-5	0.00030	n/a	3/20/2019	0.00025ND	No	32	96.88	n/a	0.000...	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-6	0.00030	n/a	3/21/2019	0.00025ND	No	32	96.88	n/a	0.000...	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-7Z	0.00050	n/a	3/21/2019	0.00025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-8Z	0.00050	n/a	5/6/2019	0.00025ND	No	16	100	n/a	0.001026	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-9	0.00050	n/a	3/21/2019	0.00025ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Nickel (mg/L)	GWA-3	0.14	n/a	3/20/2019	0.01	No	27	0	n/a	0.000256	NP (normality) 1 of 3
Nickel (mg/L)	GWA-50	0.0050	n/a	3/19/2019	0.005ND	No	21	47.62	n/a	0.000511	NP (normality) 1 of 3
Nickel (mg/L)	GWC-10	0.032	n/a	n/a	1 future	n/a	27	51.85	n/a	0.000256	NP (NDs) 1 of 3
Nickel (mg/L)	GWC-11	0.0087	n/a	3/23/2019	0.005ND	No	27	85.19	n/a	0.000256	NP (NDs) 1 of 3
Nickel (mg/L)	GWC-12	0.029	n/a	n/a	1 future	n/a	27	48.15	n/a	0.000256	NP (normality) 1 of 3
Nickel (mg/L)	GWC-13	0.015	n/a	3/23/2019	0.005ND	No	27	74.07	n/a	0.000256	NP (NDs) 1 of 3
Nickel (mg/L)	GWC-14_14Z	0.011	n/a	3/22/2019	0.005ND	No	27	62.96	n/a	0.000256	NP (NDs) 1 of 3
Nickel (mg/L)	GWC-15_15Z	0.019	n/a	3/22/2019	0.005ND	No	26	80.77	n/a	0.000...	NP (NDs) 1 of 3
Nickel (mg/L)	GWC-5	0.046	n/a	n/a	1 future	n/a	27	0	No	0.000...	Param 1 of 3
Nickel (mg/L)	GWC-6	0.046	n/a	3/21/2019	0.005ND	No	27	44.44	n/a	0.000256	NP (xform) 1 of 3
Nickel (mg/L)	GWC-7Z	0.0037	n/a	n/a	1 future	n/a	5	40	No	0.000...	Param 1 of 3
Nickel (mg/L)	GWC-8Z	0.0050	n/a	5/6/2019	0.005ND	No	10	60	n/a	0.00344	NP (NDs) 1 of 3
Nickel (mg/L)	GWC-9	0.057	n/a	n/a	1 future	n/a	27	37.04	n/a	0.000256	NP (normality) 1 of 3
Selenium (mg/L)	GWA-3	0.010	n/a	3/20/2019	0.005ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Selenium (mg/L)	GWA-50	0.010	n/a	3/19/2019	0.005ND	No	26	100	n/a	0.000...	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-10	0.010	n/a	3/22/2019	0.005ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-11	0.010	n/a	3/23/2019	0.005ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-12	0.010	n/a	3/23/2019	0.005ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-13	0.0074	n/a	3/23/2019	0.005ND	No	32	62.5	n/a	0.000...	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-14_14Z	0.010	n/a	3/22/2019	0.005ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3

# Intrawell Prediction Limit Summary Table – Metals Cells 1 & 2 OB All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 9:14 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Selenium (mg/L)	GWC-15_15Z	0.010	n/a	3/22/2019	0.005ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-5	0.015	n/a	3/20/2019	0.005ND	No	32	87.5	n/a	0.000...	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-6	0.010	n/a	3/21/2019	0.005ND	No	32	100	n/a	0.000...	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-7Z	0.010	n/a	3/21/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-8Z	0.010	n/a	5/6/2019	0.005ND	No	15	100	n/a	0.001313	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-9	0.0065	n/a	3/21/2019	0.005ND	No	32	96.88	n/a	0.000...	NP (NDs) 1 of 3
Silver (mg/L)	GWA-3	0.010	n/a	3/20/2019	0.005ND	No	27	100	n/a	0.000256	NP (NDs) 1 of 3
Silver (mg/L)	GWA-50	0.0050	n/a	3/19/2019	0.005ND	No	21	80.95	n/a	0.000511	NP (NDs) 1 of 3
Silver (mg/L)	GWC-10	0.010	n/a	3/22/2019	0.005ND	No	27	100	n/a	0.000256	NP (NDs) 1 of 3
Silver (mg/L)	GWC-11	0.010	n/a	3/23/2019	0.005ND	No	27	100	n/a	0.000256	NP (NDs) 1 of 3
Silver (mg/L)	GWC-12	0.0050	n/a	3/23/2019	0.005ND	No	27	96.3	n/a	0.000256	NP (NDs) 1 of 3
Silver (mg/L)	GWC-13	0.010	n/a	3/23/2019	0.005ND	No	27	100	n/a	0.000256	NP (NDs) 1 of 3
Silver (mg/L)	GWC-14_14Z	0.010	n/a	3/22/2019	0.005ND	No	27	100	n/a	0.000256	NP (NDs) 1 of 3
Silver (mg/L)	GWC-15_15Z	0.010	n/a	3/22/2019	0.005ND	No	26	100	n/a	0.000...	NP (NDs) 1 of 3
Silver (mg/L)	GWC-5	0.010	n/a	3/20/2019	0.005ND	No	27	100	n/a	0.000256	NP (NDs) 1 of 3
Silver (mg/L)	GWC-6	0.010	n/a	3/21/2019	0.005ND	No	27	100	n/a	0.000256	NP (NDs) 1 of 3
Silver (mg/L)	GWC-7Z	0.010	n/a	3/21/2019	0.005ND	No	5	100	n/a	0.01896	NP (NDs) 1 of 3
Silver (mg/L)	GWC-8Z	0.010	n/a	5/6/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWC-9	0.010	n/a	3/21/2019	0.005ND	No	27	100	n/a	0.000256	NP (NDs) 1 of 3
Thallium (mg/L)	GWA-3	0.0010	n/a	3/20/2019	0.0005ND	No	12	100	n/a	0.002173	NP (NDs) 1 of 3
Thallium (mg/L)	GWA-50	0.0010	n/a	3/19/2019	0.0005ND	No	12	100	n/a	0.002173	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-10	0.0010	n/a	3/22/2019	0.0005ND	No	12	100	n/a	0.002173	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-11	0.0010	n/a	3/23/2019	0.0005ND	No	12	100	n/a	0.002173	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-12	0.0010	n/a	3/23/2019	0.0005ND	No	12	100	n/a	0.002173	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-13	0.0010	n/a	3/23/2019	0.0005ND	No	12	100	n/a	0.002173	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-14_14Z	0.0010	n/a	3/22/2019	0.0005ND	No	12	100	n/a	0.002173	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-15_15Z	0.0097	n/a	3/22/2019	0.0005ND	No	12	75	n/a	0.002173	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-5	0.0010	n/a	3/20/2019	0.0005ND	No	12	100	n/a	0.002173	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-6	0.00050	n/a	3/21/2019	0.0005ND	No	12	91.67	n/a	0.002173	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-7Z	0.0010	n/a	3/21/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-8Z	0.00050	n/a	5/6/2019	0.0005ND	No	12	83.33	n/a	0.002173	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-9	0.0010	n/a	3/21/2019	0.0005ND	No	12	100	n/a	0.002173	NP (NDs) 1 of 3
Vanadium (mg/L)	GWA-3	0.0050	n/a	3/20/2019	0.005ND	No	27	92.59	n/a	0.000256	NP (NDs) 1 of 3
Vanadium (mg/L)	GWA-50	0.010	n/a	3/19/2019	0.005ND	No	21	100	n/a	0.000511	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-10	0.0082	n/a	3/22/2019	0.005ND	No	27	85.19	n/a	0.000256	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-11	0.0050	n/a	3/23/2019	0.005ND	No	27	88.89	n/a	0.000256	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-12	0.0082	n/a	3/23/2019	0.005ND	No	27	74.07	n/a	0.000256	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-13	0.020	n/a	3/23/2019	0.005ND	No	27	51.85	n/a	0.000256	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-14_14Z	0.012	n/a	3/22/2019	0.005ND	No	27	66.67	n/a	0.000256	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-15_15Z	0.025	n/a	3/22/2019	0.005ND	No	26	34.62	sqrt(x)	0.000...	Param 1 of 3
Vanadium (mg/L)	GWC-5	0.0050	n/a	3/20/2019	0.005ND	No	27	88.89	n/a	0.000256	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-6	0.0070	n/a	3/21/2019	0.005ND	No	27	66.67	n/a	0.000256	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-7Z	0.010	n/a	3/21/2019	0.005ND	No	5	100	n/a	0.01896	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-8Z	0.0050	n/a	5/6/2019	0.005ND	No	10	90	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.0065	n/a	3/21/2019	0.005ND	No	27	81.48	n/a	0.000256	NP (NDs) 1 of 3
Zinc (mg/L)	GWA-3	0.12	n/a	3/20/2019	0.028	No	27	3.704	sqrt(x)	0.000...	Param 1 of 3
Zinc (mg/L)	GWA-50	0.048	n/a	3/19/2019	0.005ND	No	21	23.81	n/a	0.000511	NP (normality) 1 of 3
Zinc (mg/L)	GWC-10	0.057	n/a	3/22/2019	0.005ND	No	27	29.63	n/a	0.000256	NP (xform) 1 of 3
Zinc (mg/L)	GWC-11	0.015	n/a	3/23/2019	0.005ND	No	27	62.96	n/a	0.000256	NP (NDs) 1 of 3
Zinc (mg/L)	GWC-12	0.059	n/a	3/23/2019	0.012	No	27	14.81	ln(x)	0.000...	Param 1 of 3

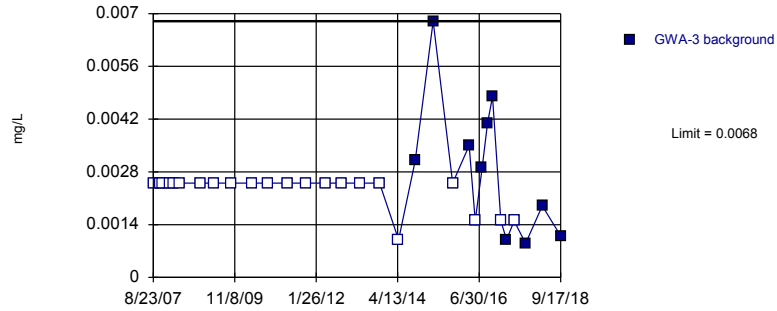


# Intrawell Prediction Limit Summary Table – Metals Cells 1 & 2 OB All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 9:14 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
<b>Zinc (mg/L)</b>	<b>GWC-13</b>	<b>0.02</b>	<b>n/a</b>	<b>3/23/2019</b>	<b>0.021</b>	<b>Yes</b>	<b>23</b>	<b>26.09</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Zinc (mg/L)	GWC-14_14Z	0.11	n/a	3/22/2019	0.005ND	No	27	22.22	n/a	0.000256	NP (normality) 1 of 3
Zinc (mg/L)	GWC-15_15Z	0.065	n/a	3/22/2019	0.005ND	No	26	38.46	n/a	0.000...	NP (normality) 1 of 3
Zinc (mg/L)	GWC-5	0.15	n/a	3/20/2019	0.032	No	27	3.704	No	0.000...	Param 1 of 3
Zinc (mg/L)	GWC-6	0.055	n/a	3/21/2019	0.005ND	No	27	29.63	n/a	0.000256	NP (normality) 1 of 3
Zinc (mg/L)	GWC-7Z	0.010	n/a	3/21/2019	0.005ND	No	5	100	n/a	0.01896	NP (NDs) 1 of 3
Zinc (mg/L)	GWC-8Z	0.0057	n/a	n/a	1 future	n/a	10	50	No	0.000...	Param 1 of 3
Zinc (mg/L)	GWC-9	0.077	n/a	n/a	1 future	n/a	27	14.81	n/a	0.000256	NP (normality) 1 of 3

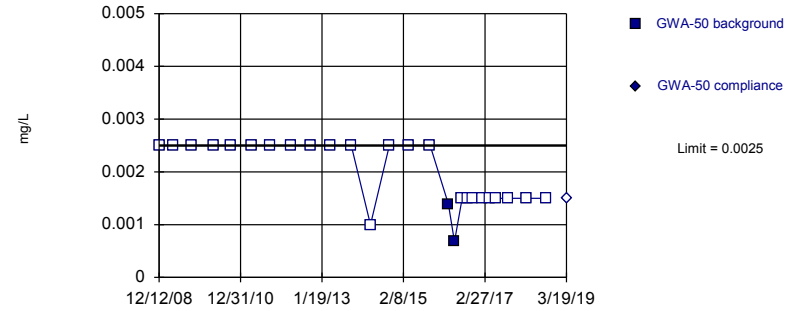
Prediction Limit  
Intrawell Non-parametric, GWA-3 (bg)



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3). Assumes 1 future value.

Constituent: Antimony Analysis Run 8/28/2019 8:59 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

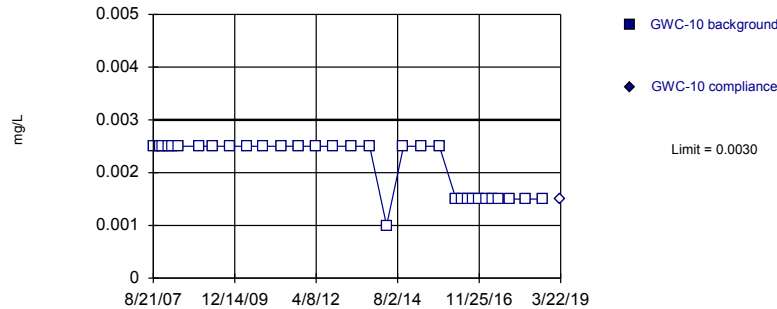
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Antimony Analysis Run 8/28/2019 8:59 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

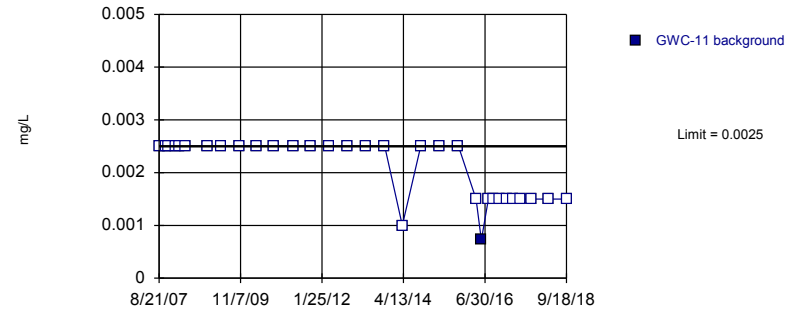
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-11



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3). Assumes 1 future value.

Constituent: Antimony Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3
8/23/2007	<0.005
11/2/2007	<0.005
11/18/2007	<0.005
1/31/2008	<0.005
3/11/2008	<0.005
5/14/2008	<0.005
12/5/2008	<0.005
4/15/2009	<0.005
10/8/2009	<0.005
4/28/2010	<0.005
10/6/2010	<0.005
4/21/2011	<0.005
10/13/2011	<0.005
5/1/2012	<0.005
10/9/2012	<0.005
4/11/2013	<0.005
10/16/2013	<0.005
4/23/2014	<0.002
10/4/2014	0.0031 (J)
3/31/2015	0.0068
10/12/2015	<0.005
3/23/2016	0.0035
5/23/2016	<0.003
7/29/2016	0.0029 (J)
9/22/2016	0.0041
11/10/2016	0.0048 (J)
1/31/2017	<0.003
3/30/2017	0.001 (J)
6/12/2017	<0.003 (*)
10/4/2017	0.0009 (J)
3/19/2018	0.0019 (J)
9/17/2018	0.0011 (J)
3/20/2019	0.0019 (X)

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
4/27/2010	<0.005	
9/30/2010	<0.005	
4/14/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/2/2012	<0.005	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	<0.002	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	0.00139 (J)	
5/23/2016	0.000677 (J)	
8/1/2016	<0.003 (*)	
9/26/2016	<0.003	
11/10/2016	<0.003 (*)	
1/30/2017	<0.003	
4/7/2017	<0.003	
6/12/2017	<0.003 (*)	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/17/2018	<0.003	
3/19/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	<0.005	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.002	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.003	
5/26/2016	<0.003	
8/5/2016	<0.003	
9/28/2016	<0.003	
11/22/2016	<0.003	
2/7/2017	<0.003	
4/10/2017	<0.003	
6/14/2017	<0.003 (*)	
10/4/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
3/22/2019		<0.003

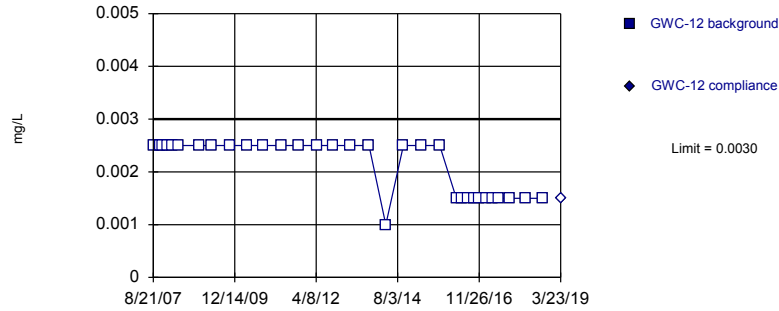
# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11
8/21/2007	<0.005
11/1/2007	<0.005
11/18/2007	<0.005
1/30/2008	<0.005
3/5/2008	<0.005
5/7/2008	<0.005
12/14/2008	<0.005
4/29/2009	<0.005
10/22/2009	<0.005
4/21/2010	<0.005
9/28/2010	<0.005
4/12/2011	<0.005
10/4/2011	<0.005
4/3/2012	<0.005
10/3/2012	<0.005
4/3/2013	<0.005
10/9/2013	<0.005
4/2/2014	<0.002
10/2/2014	<0.005
4/1/2015	<0.005
10/11/2015	<0.005
4/4/2016	<0.003
5/26/2016	0.000722 (J)
8/3/2016	<0.003 (*)
9/28/2016	<0.003
11/22/2016	<0.003
2/8/2017	<0.003
4/10/2017	<0.003
6/15/2017	<0.003 (*)
10/4/2017	<0.003
3/21/2018	<0.003
9/18/2018	<0.003
3/23/2019	0.00094 (X)

Within Limit

Prediction Limit  
Intrawell Non-parametric

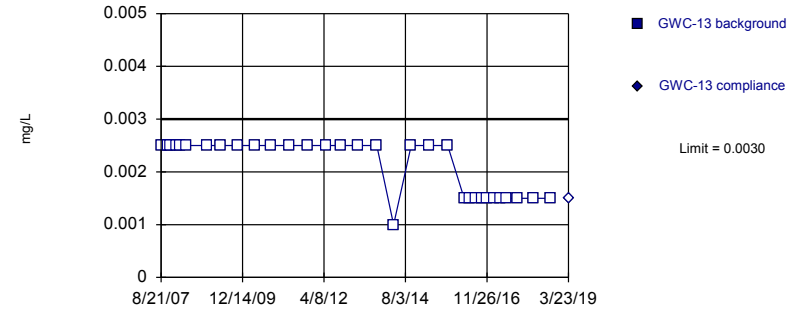


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

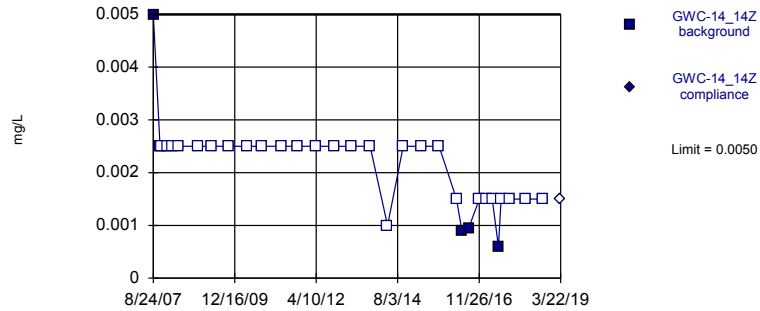


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

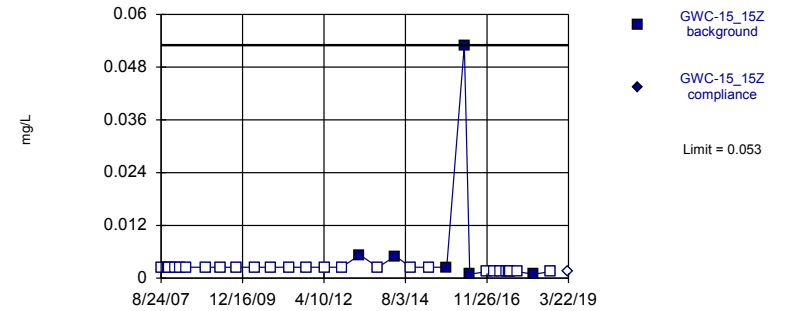


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/16/2008	<0.005	
3/5/2008	<0.005	
5/13/2008	<0.005	
12/13/2008	<0.005	
4/16/2009	<0.005	
10/21/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/24/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/9/2013	<0.005	
4/1/2014	<0.002	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.003	
5/27/2016	<0.003	
8/3/2016	<0.003 (*)	
9/30/2016	<0.003	
11/22/2016	<0.003	
2/13/2017	<0.003	
4/11/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/22/2018	<0.003	
9/18/2018	<0.003	
3/23/2019		<0.003



# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	<0.005	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.002	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	<0.003	
5/31/2016	<0.003	
8/4/2016	<0.003 (*)	
9/29/2016	<0.003 (*)	
11/28/2016	<0.003	
2/9/2017	<0.003	
4/12/2017	<0.003	
6/16/2017	<0.003 (*)	
10/9/2017	<0.003	
3/21/2018	<0.003	
9/19/2018	<0.003	
3/23/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/16/2009	<0.005	
10/20/2009	<0.005	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.002	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.003	
6/1/2016	0.000895 (J)	
8/9/2016	0.00095 (JD)	
11/28/2016	<0.003	
2/9/2017	<0.003	
4/11/2017	<0.003	
6/14/2017	0.0006 (J)	
7/12/2017	<0.003	
10/5/2017	<0.003	
3/22/2018	<0.003	
9/19/2018	<0.003	
3/22/2019		<0.003

# Prediction Limit

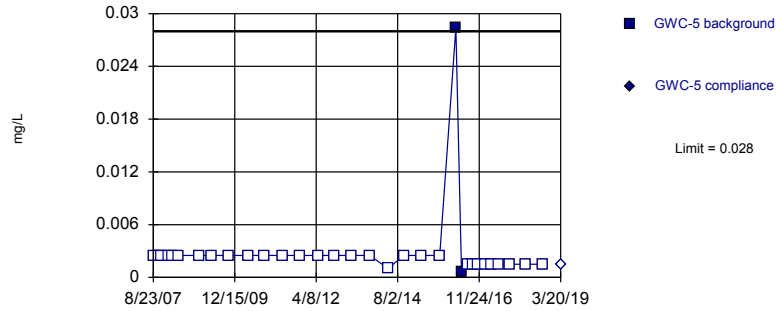
Constituent: Antimony (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/15/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	0.0053	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	0.0025 (J)	
4/5/2016	0.053 (J)	
5/31/2016	0.00088 (J)	
11/23/2016	<0.003	
2/10/2017	<0.003	
4/11/2017	<0.003	
6/15/2017	<0.003 (*)	
7/12/2017	<0.003	
7/26/2017	<0.003	
10/6/2017	<0.003	
3/23/2018	0.00089 (J)	
9/19/2018	<0.003	
3/22/2019		<0.003

Within Limit

Prediction Limit  
Intrawell Non-parametric

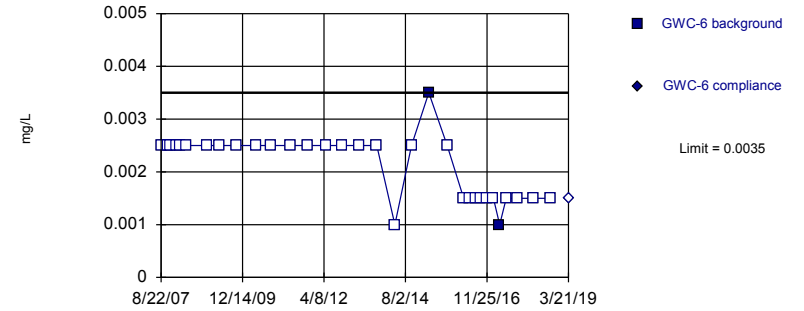


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

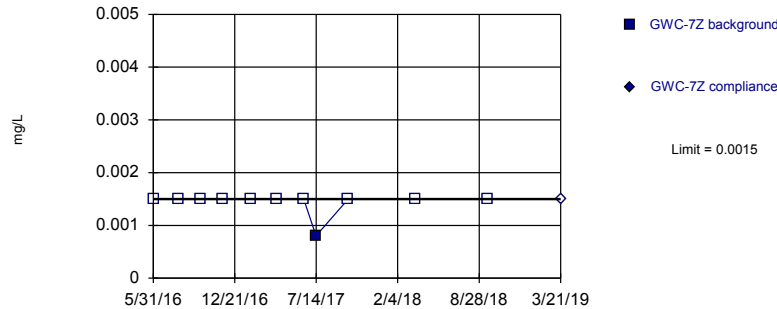


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

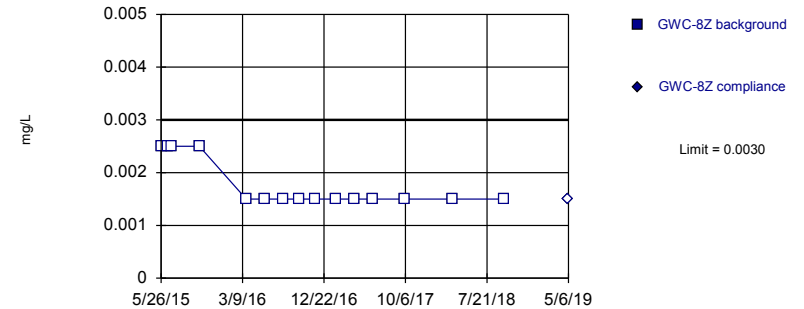


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Antimony Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.002	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	0.0284 (J)	
5/25/2016	0.000686 (J)	
8/1/2016	<0.003 (*)	
9/27/2016	<0.003	
11/11/2016	<0.003	
1/31/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	<0.003	
9/17/2018	<0.003	
3/20/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	<0.005	
11/20/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/11/2008	<0.005	
4/23/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/11/2010	<0.005	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	<0.002	
10/3/2014	<0.005	
4/1/2015	0.0035 (J)	
10/9/2015	<0.005	
3/29/2016	<0.003	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/18/2016	<0.003	
2/1/2017	<0.003 (*)	
4/6/2017	0.001 (J)	
6/13/2017	<0.003 (*)	
10/3/2017	<0.003	
3/19/2018	<0.003	
9/17/2018	<0.003	
3/21/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/21/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003 (*)	
7/14/2017	0.0008 (J)	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
3/21/2019		<0.003

# Prediction Limit

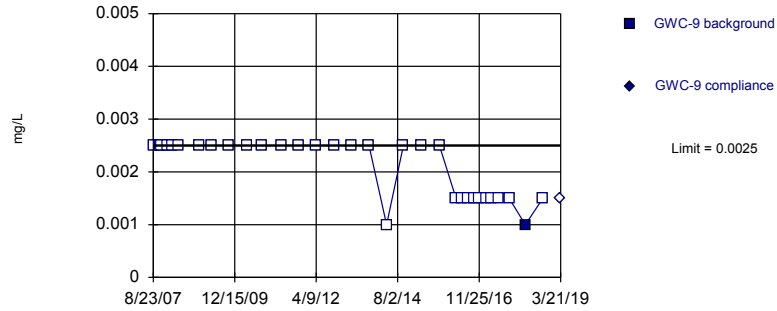
Constituent: Antimony (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.003	
5/25/2016	<0.003	
8/2/2016	<0.003	
9/26/2016	<0.003	
11/21/2016	<0.003	
2/3/2017	<0.003	
4/7/2017	<0.003	
6/13/2017	<0.003 (*)	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
5/6/2019		<0.003



Within Limit

Prediction Limit  
Intrawell Non-parametric

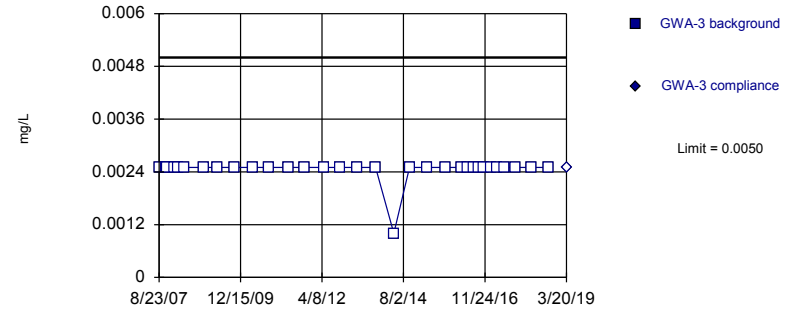


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

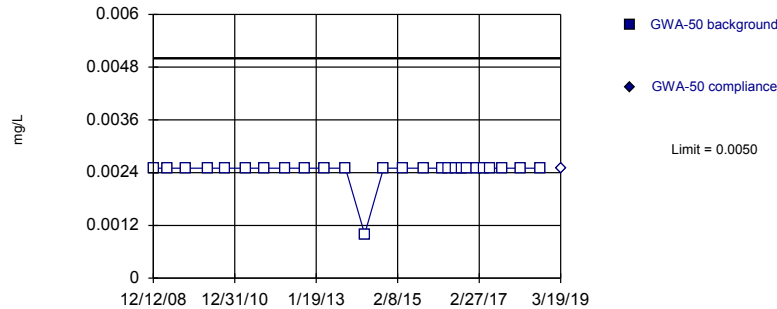


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

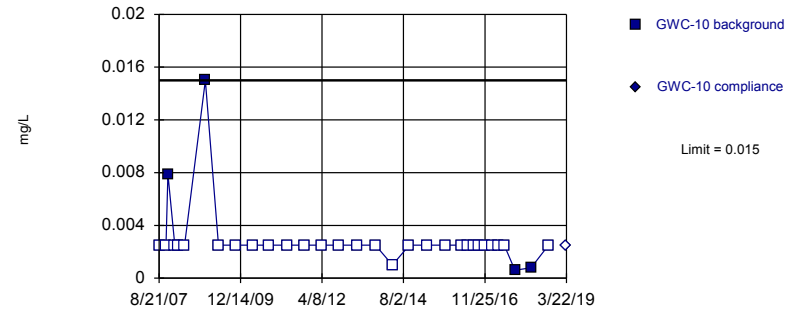


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 26) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Arsenic Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/13/2008	<0.005	
12/12/2008	<0.005	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.002	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005 (D)	
3/30/2016	<0.003	
5/26/2016	<0.003	
8/5/2016	<0.003 (*)	
9/28/2016	<0.003	
11/21/2016	<0.003	
2/6/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	0.001 (J)	
9/18/2018	<0.003 (D)	
3/21/2019		<0.003

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/8/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/21/2011	<0.005	
10/13/2011	<0.005	
5/1/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.002	
10/4/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/23/2016	<0.005	
5/23/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/4/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
4/27/2010	<0.005	
9/30/2010	<0.005	
4/14/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/2/2012	<0.005	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	<0.002	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/23/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/10/2016	<0.005	
1/30/2017	<0.005	
4/7/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/17/2018	<0.005	
3/19/2019		<0.005

# Prediction Limit

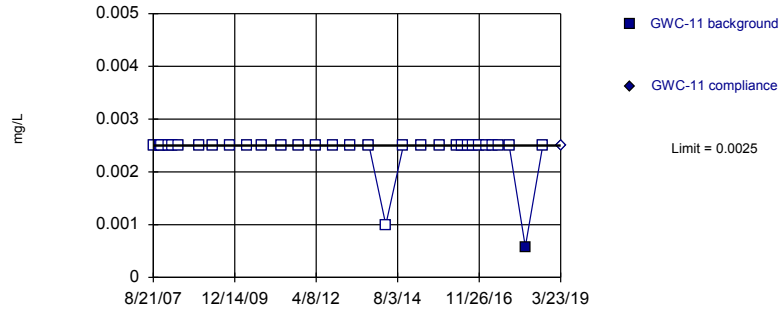
Constituent: Arsenic (mg/L) Analysis Run 8/28/2019 9:14 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	0.0079	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.015	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.002	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	0.0006 (J)	
3/20/2018	0.00079 (J)	
9/18/2018	<0.005	
3/22/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

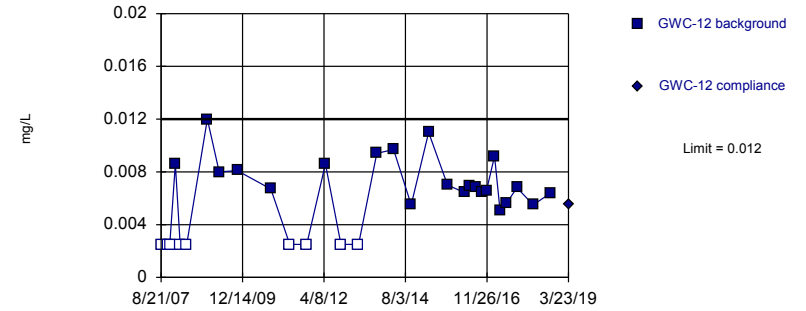


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

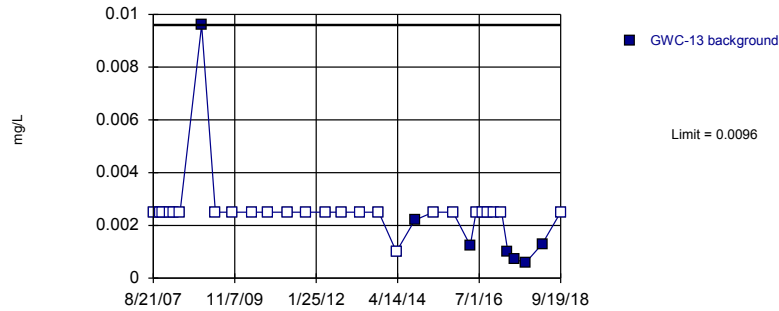
Prediction Limit  
Intrawell Parametric



Background Data Summary (after Aitchison's Adjustment): Mean=0.00537, Std. Dev.=0.003813, n=31, 29.03% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.902. Kappa = 1.701 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Arsenic Analysis Run 8/28/2019 9:00 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-13

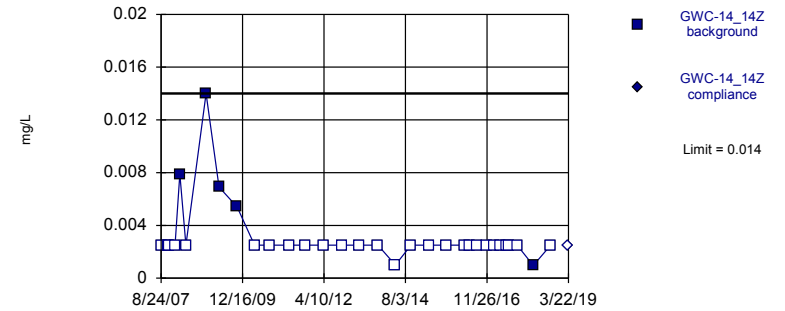


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3). Assumes 1 future value.

Constituent: Arsenic Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.002	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	0.00058 (J)	
9/18/2018	<0.005	
3/23/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/16/2008	0.0086	
3/5/2008	<0.005	
5/13/2008	<0.005	
12/13/2008	0.012	
4/16/2009	0.008	
10/21/2009	0.0081	
10/5/2010	0.0067	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/24/2012	0.0086	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/9/2013	0.0094	
4/1/2014	0.0097	
10/2/2014	0.0055	
4/1/2015	0.011	
10/14/2015	0.007	
4/4/2016	0.00645	
5/27/2016	0.00692	
8/3/2016	0.0068	
9/30/2016	0.0065	
11/22/2016	0.0066	
2/13/2017	0.0092	
4/11/2017	0.0051	
6/14/2017	0.0056	
10/4/2017	0.0068	
3/22/2018	0.0055	
9/18/2018	0.0064	
3/23/2019		0.0055



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13
8/21/2007	<0.005
11/1/2007	<0.005
11/19/2007	<0.005
1/31/2008	<0.005
3/5/2008	<0.005
5/12/2008	<0.005
12/13/2008	0.0096
4/28/2009	<0.005
10/21/2009	<0.005
4/28/2010	<0.005
10/5/2010	<0.005
4/19/2011	<0.005
10/18/2011	<0.005
4/25/2012	<0.005
10/2/2012	<0.005
4/2/2013	<0.005
10/8/2013	<0.005
4/1/2014	<0.002
10/1/2014	0.0022 (J)
4/1/2015	<0.005
10/15/2015	<0.005
4/4/2016	0.00124 (J)
5/31/2016	<0.005
8/4/2016	<0.005
9/29/2016	<0.005
11/28/2016	<0.005
2/9/2017	<0.005
4/12/2017	0.001 (J)
6/16/2017	0.0007 (J)
10/9/2017	0.0006 (J)
3/21/2018	0.0013 (J)
9/19/2018	<0.005
3/23/2019	0.00067 (X)

# Prediction Limit

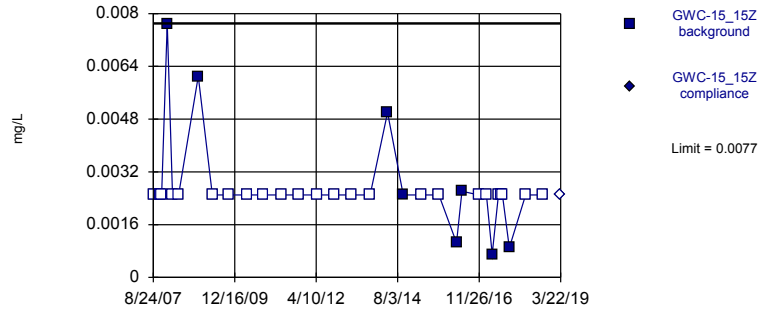
Constituent: Arsenic (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/5/2008	0.0079	
5/7/2008	<0.005	
12/2/2008	0.014	
4/16/2009	0.0069	
10/20/2009	0.0054	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.002	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	0.00096 (J)	
9/19/2018	<0.005	
3/22/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

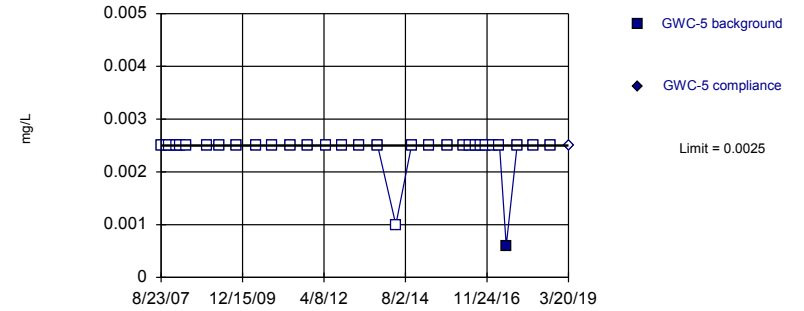


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

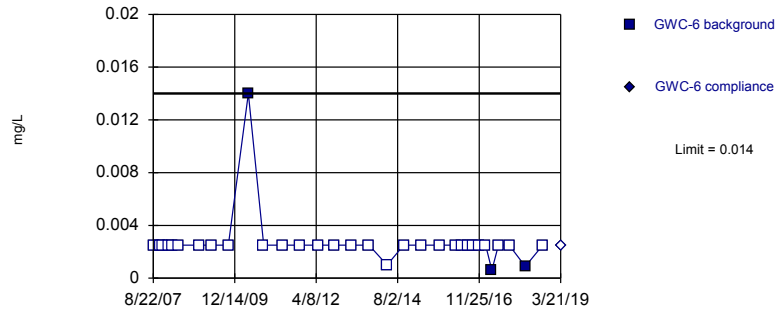


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

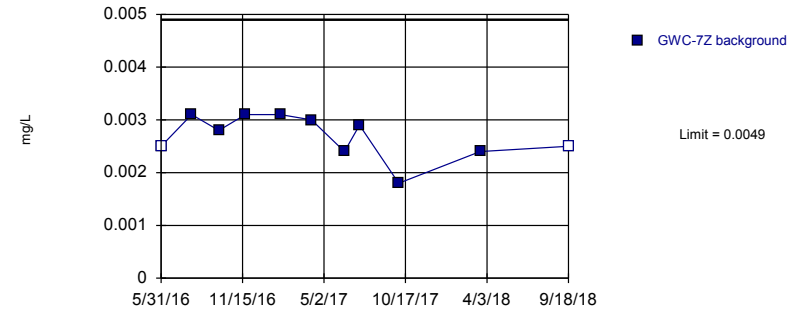


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric, GWC-7Z



Background Data Summary (after Aitchison's Adjustment): Mean=0.002236, Std. Dev.=0.001176, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8778, critical = 0.792. Kappa = 2.236 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Arsenic Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/15/2008	0.0077	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/2/2008	0.0061	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	0.0025 (J)	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	0.00105 (J)	
5/31/2016	0.00261 (J)	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	0.0007 (J)	
6/15/2017	<0.005	
7/12/2017	<0.005	
7/26/2017	<0.005	
10/6/2017	0.0009 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.002	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	0.0006 (J)	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

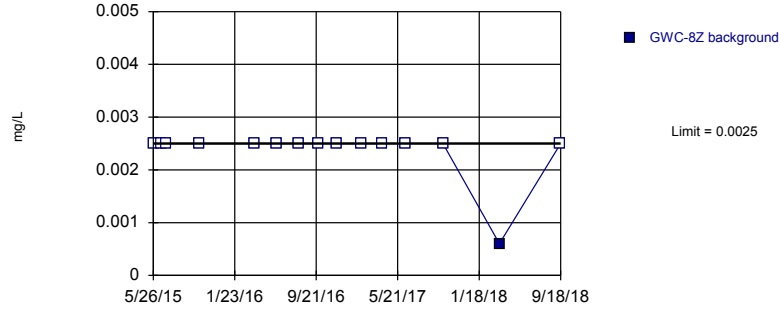
	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	<0.005	
11/20/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/11/2008	<0.005	
4/23/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	0.014	
10/11/2010	<0.005	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	<0.002	
10/3/2014	<0.005	
4/1/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/18/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	0.0006 (J)	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	0.00089 (J)	
9/17/2018	<0.005	
3/21/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z
5/31/2016	<0.005
8/2/2016	0.0031 (J)
9/27/2016	0.0028 (J)
11/21/2016	0.0031 (J)
2/1/2017	0.0031 (J)
4/6/2017	0.003 (J)
6/13/2017	0.0024 (J)
7/14/2017	0.0029 (J)
10/3/2017	0.0018 (J)
3/20/2018	0.0024 (J)
9/18/2018	<0.005
3/21/2019	0.00077 (X)

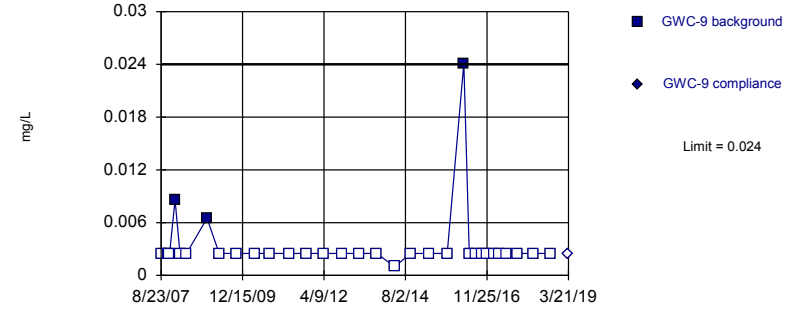
Prediction Limit  
Intrawell Non-parametric, GWC-8Z



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3). Assumes 1 future value.

Constituent: Arsenic Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

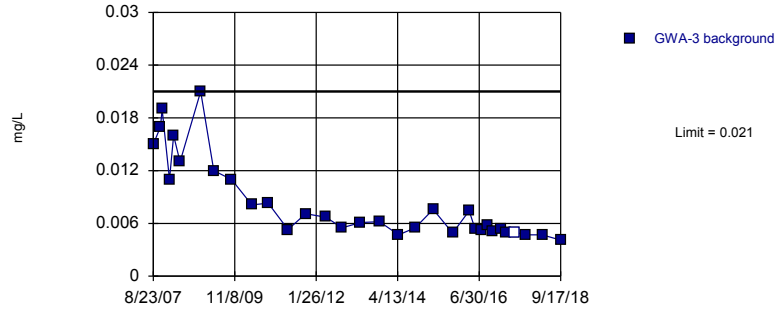
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

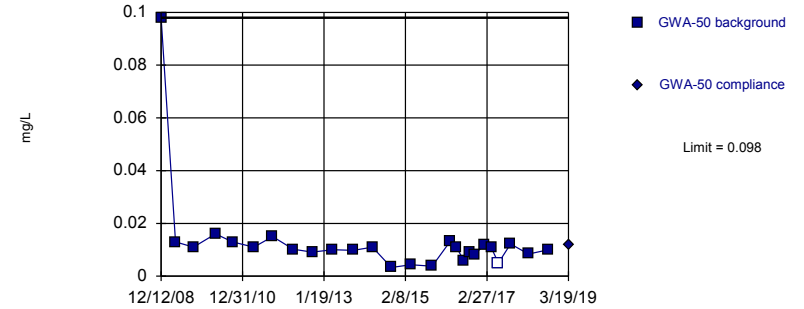
Prediction Limit  
Intrawell Non-parametric, GWA-3 (bg)



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 3.125% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3). Assumes 1 future value.

Constituent: Barium Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 3.846% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Barium Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z
5/26/2015	<0.005
6/18/2015	<0.005 (D)
7/2/2015	<0.005
10/8/2015	<0.005
3/22/2016	<0.005
5/25/2016	<0.005
8/2/2016	<0.005
9/26/2016	<0.005
11/21/2016	<0.005
2/3/2017	<0.005
4/7/2017	<0.005
6/13/2017	<0.005
10/3/2017	<0.005
3/20/2018	0.0006 (J)
9/18/2018	<0.005
5/6/2019	0.00063 (X)

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/15/2008	0.0086	
3/6/2008	<0.005	
5/13/2008	<0.005	
12/12/2008	0.0065	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.002	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005 (D)	
3/30/2016	0.0241 (J)	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019		<0.005

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3
8/23/2007	0.015
11/2/2007	0.017
11/18/2007	0.019
1/31/2008	0.011
3/11/2008	0.016
5/14/2008	0.013
12/5/2008	0.021
4/15/2009	0.012
10/8/2009	0.011
4/28/2010	0.0081
10/6/2010	0.0083
4/21/2011	0.0053
10/13/2011	0.0071
5/1/2012	0.0067
10/9/2012	0.0055
4/11/2013	0.0061
10/16/2013	0.0062
4/23/2014	0.0047
10/4/2014	0.0055
3/31/2015	0.0076
10/12/2015	0.0049
3/23/2016	0.00742 (J)
5/23/2016	0.00532 (J)
7/29/2016	0.0053 (J)
9/22/2016	0.0058 (J)
11/10/2016	0.0051 (J)
1/31/2017	0.0054 (J)
3/30/2017	0.0049 (J)
6/12/2017	<0.01 (*)
10/4/2017	0.0047 (J)
3/19/2018	0.0047 (J)
9/17/2018	0.0041 (J)
3/20/2019	0.0042 (X)

# Prediction Limit

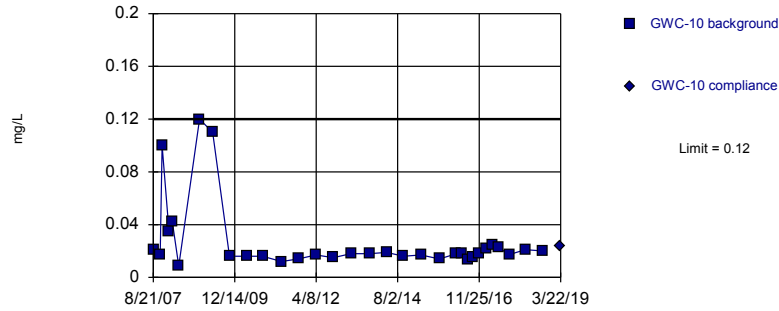
Constituent: Barium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	0.098	
4/23/2009	0.013	
10/6/2009	0.011	
4/27/2010	0.016	
9/30/2010	0.013	
4/14/2011	0.011	
10/5/2011	0.015	
4/11/2012	0.0102	
10/2/2012	0.0091	
4/9/2013	0.01	
10/15/2013	0.0098	
4/10/2014	0.011	
10/1/2014	0.0033	
3/30/2015	0.0043	
10/11/2015	0.0038	
3/28/2016	0.0133	
5/23/2016	0.0109	
8/1/2016	0.0058 (J)	
9/26/2016	0.0092 (J)	
11/10/2016	0.0083 (J)	
1/30/2017	0.0117	
4/7/2017	0.0109	
6/12/2017	<0.01 (*)	
10/2/2017	0.0122	
3/16/2018	0.0084 (J)	
9/17/2018	0.01	
3/19/2019		0.012

Within Limit

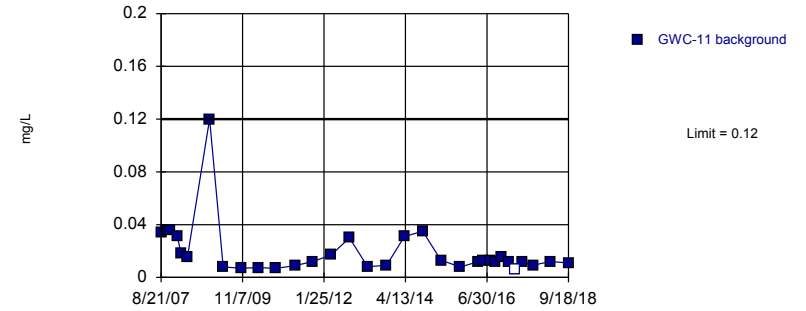
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Barium Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-11

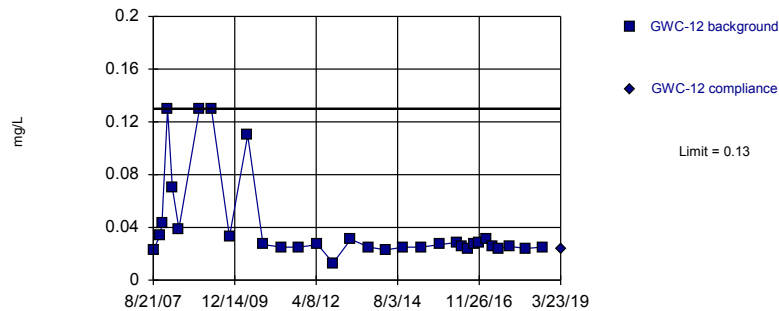


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 3.125% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3). Assumes 1 future value.

Constituent: Barium Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Barium Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-3.55, Std. Dev.=0.5405, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.938, critical = 0.904. Kappa = 1.694 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	0.021	
11/1/2007	0.017	
11/20/2007	0.1	
1/30/2008	0.035	
3/6/2008	0.042	
5/12/2008	0.0087	
12/13/2008	0.12	
4/29/2009	0.11	
10/20/2009	0.016	
4/26/2010	0.016	
9/29/2010	0.016	
4/13/2011	0.012	
10/5/2011	0.014	
4/4/2012	0.017	
10/3/2012	0.015	
4/3/2013	0.018	
10/15/2013	0.018	
4/9/2014	0.019	
10/2/2014	0.016	
4/2/2015	0.017	
10/10/2015	0.014	
3/31/2016	0.0179	
5/26/2016	0.0186	
8/5/2016	0.0138	
9/28/2016	0.0153	
11/22/2016	0.0184 (J)	
2/7/2017	0.0215	
4/10/2017	0.0247	
6/14/2017	0.0227	
10/4/2017	0.0172	
3/20/2018	0.021	
9/18/2018	0.02	
3/22/2019		0.024

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11
8/21/2007	0.034
11/1/2007	0.036
11/18/2007	0.036
1/30/2008	0.031 (J)
3/5/2008	0.018
5/7/2008	0.015
12/14/2008	0.12
4/29/2009	0.0079
10/22/2009	0.007
4/21/2010	0.0074
9/28/2010	0.0068
4/12/2011	0.0089
10/4/2011	0.012
4/3/2012	0.0169
10/3/2012	0.03
4/3/2013	0.008
10/9/2013	0.0093
4/2/2014	0.031
10/2/2014	0.035
4/1/2015	0.013
10/11/2015	0.0079
4/4/2016	0.0119
5/26/2016	0.0127
8/3/2016	0.0121
9/28/2016	0.0112
11/22/2016	0.0155 (J)
2/8/2017	0.0115
4/10/2017	<0.0117 (*)
6/15/2017	0.0112
10/4/2017	0.0093 (J)
3/21/2018	0.012
9/18/2018	0.011
3/23/2019	0.0081 (X)

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	0.023	
11/1/2007	0.034	
11/19/2007	0.043	
1/16/2008	0.13	
3/5/2008	0.07	
5/13/2008	0.039	
12/13/2008	0.13	
4/16/2009	0.13	
10/21/2009	0.033	
4/27/2010	0.11	
10/5/2010	0.027	
4/19/2011	0.025	
10/12/2011	0.025	
4/24/2012	0.027	
10/2/2012	0.013	
4/2/2013	0.031	
10/9/2013	0.025	
4/1/2014	0.023	
10/2/2014	0.025	
4/1/2015	0.025	
10/14/2015	0.027	
4/4/2016	0.0285	
5/27/2016	0.0257	
8/3/2016	0.0237	
9/30/2016	0.0279	
11/22/2016	0.0286 (J)	
2/13/2017	0.0313	
4/11/2017	0.0254	
6/14/2017	0.0241	
10/4/2017	0.0256	
3/22/2018	0.024	
9/18/2018	0.025	
3/23/2019		0.024



# Prediction Limit

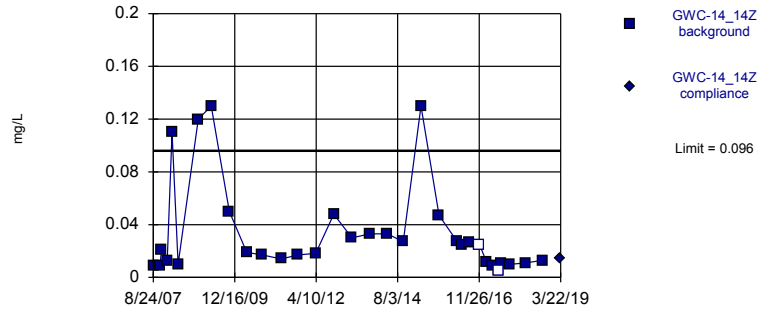
Constituent: Barium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.065	
11/1/2007	0.019	
11/19/2007	0.015	
1/31/2008	0.022	
3/5/2008	0.012	
5/12/2008	0.014	
12/13/2008	0.11	
4/28/2009	0.12	
10/21/2009	0.023	
4/28/2010	0.019	
10/5/2010	0.018	
4/19/2011	0.019	
10/18/2011	0.025	
4/25/2012	0.024	
10/2/2012	0.019	
4/2/2013	0.021	
10/8/2013	0.027	
4/1/2014	0.023	
10/1/2014	0.014	
4/1/2015	0.027	
10/15/2015	0.033	
4/4/2016	0.027	
5/31/2016	0.0283	
8/4/2016	0.0358	
9/29/2016	0.0437	
11/28/2016	0.0419 (J)	
2/9/2017	0.0472	
4/12/2017	0.0383	
6/16/2017	0.0457	
10/9/2017	0.0406	
3/21/2018	0.032	
9/19/2018	0.034	
3/23/2019		0.023

Within Limit

Prediction Limit  
Intrawell Parametric

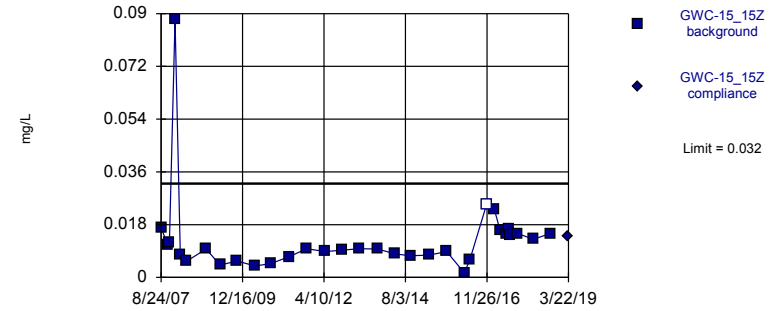


Background Data Summary (based on natural log transformation): Mean=-3.787, Std. Dev.=0.8527, n=32, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9323, critical = 0.904. Kappa = 1.694 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/28/2019 9:01 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

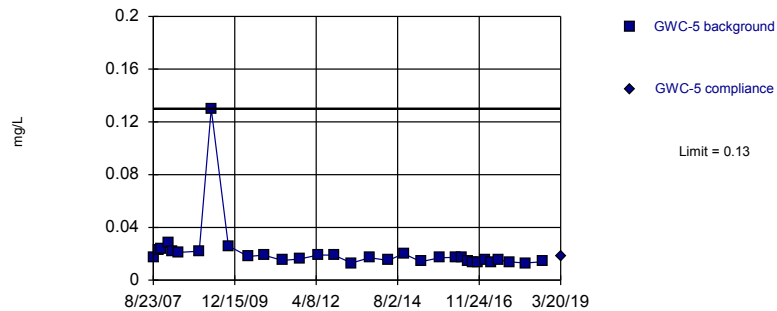


Background Data Summary (based on natural log transformation): Mean=-4.618, Std. Dev.=0.6941, n=32, 3.125% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9484, critical = 0.904. Kappa = 1.694 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

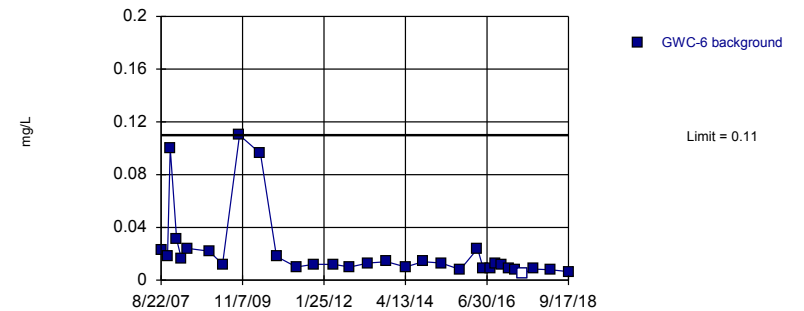


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Barium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-6



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 3.125% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3). Assumes 1 future value.

Constituent: Barium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	0.0089	
11/2/2007	0.0091	
11/17/2007	0.021	
1/15/2008	0.013	
3/5/2008	0.11	
5/7/2008	0.01	
12/2/2008	0.12	
4/16/2009	0.13	
10/20/2009	0.05	
4/20/2010	0.019	
9/29/2010	0.017	
4/12/2011	0.014	
10/4/2011	0.017	
4/4/2012	0.0182	
10/10/2012	0.048	
4/15/2013	0.03	
10/22/2013	0.033	
4/21/2014	0.033	
9/30/2014	0.027	
4/3/2015	0.13	
10/7/2015	0.047	
4/5/2016	0.0279	
6/1/2016	0.0249	
8/9/2016	0.0268	
11/28/2016	<0.05 (*)	
2/9/2017	0.0119	
4/11/2017	0.0084 (D)	
6/14/2017	<0.01 (*)	
7/12/2017	0.0105	
10/5/2017	0.0099 (J)	
3/22/2018	0.011	
9/19/2018	0.013	
3/22/2019		0.014

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	0.017	
11/2/2007	0.011	
11/18/2007	0.012 (J)	
1/15/2008	0.088	
3/10/2008	0.0077	
5/13/2008	0.0055	
12/2/2008	0.0097	
4/28/2009	0.0042	
10/20/2009	0.0056	
4/27/2010	0.0039	
10/5/2010	0.0047	
4/19/2011	0.0071	
10/12/2011	0.0098	
4/25/2012	0.0088	
10/10/2012	0.0093	
4/16/2013	0.0098	
10/22/2013	0.0097	
4/21/2014	0.008	
9/30/2014	0.0074	
4/3/2015	0.0076	
10/6/2015	0.0088	
4/5/2016	0.00153 (J)	
5/31/2016	0.00589 (J)	
11/23/2016	<0.05 (*)	
2/10/2017	0.0233	
4/11/2017	0.0162	
6/15/2017	0.0148	
7/12/2017	0.0166	
7/26/2017	0.0146	
10/6/2017	0.015	
3/23/2018	0.013	
9/19/2018	0.015	
3/22/2019		0.014

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.017	
10/25/2007	0.023	
11/19/2007	0.024	
1/23/2008	0.028	
3/11/2008	0.022	
5/12/2008	0.021	
12/11/2008	0.022	
4/15/2009	0.13	
10/9/2009	0.026	
5/4/2010	0.018	
10/12/2010	0.019	
4/28/2011	0.015	
10/19/2011	0.016	
5/2/2012	0.0191	
10/9/2012	0.019	
4/11/2013	0.013	
10/16/2013	0.017	
4/23/2014	0.015	
10/3/2014	0.02	
3/31/2015	0.014	
10/12/2015	0.017	
3/28/2016	0.0173	
5/25/2016	0.0175	
8/1/2016	0.0145	
9/27/2016	0.0139	
11/11/2016	0.0135	
1/31/2017	0.0153	
4/3/2017	0.0135	
6/12/2017	0.0154	
10/3/2017	0.0138	
3/19/2018	0.013	
9/17/2018	0.014	
3/20/2019		0.018

# Prediction Limit

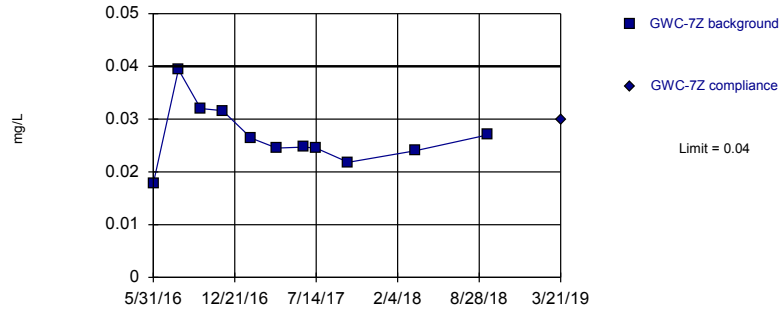
Constituent: Barium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6
8/22/2007	0.023
10/25/2007	0.018
11/20/2007	0.1
1/23/2008	0.031
3/11/2008	0.016
5/14/2008	0.024
12/11/2008	0.022
4/23/2009	0.012
10/9/2009	0.11
5/4/2010	0.096
10/11/2010	0.018
4/26/2011	0.01
10/18/2011	0.012
5/2/2012	0.0119
10/8/2012	0.01
4/10/2013	0.013
10/8/2013	0.014
4/14/2014	0.01
10/3/2014	0.014
4/1/2015	0.013
10/9/2015	0.008
3/29/2016	0.0239 (J)
5/24/2016	0.00902 (J)
8/1/2016	0.0091 (J)
9/26/2016	0.0124
11/18/2016	0.0117
2/1/2017	0.0086 (J)
4/6/2017	0.0083 (J)
6/13/2017	<0.01 (*)
10/3/2017	0.0084 (J)
3/19/2018	0.0079 (J)
9/17/2018	0.0065 (J)
3/21/2019	0.0074 (X)

Within Limit

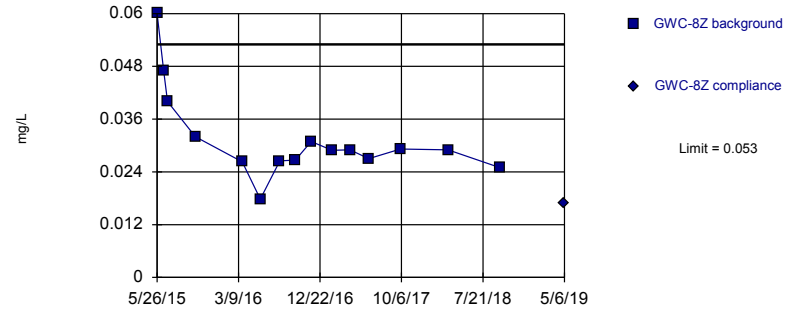
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.0267, Std. Dev.=0.005812, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9261, critical = 0.792. Kappa = 2.236 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Within Limit

Prediction Limit  
Intrawell Parametric



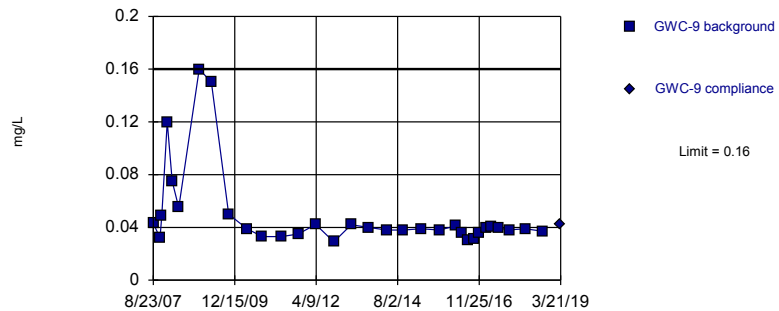
Background Data Summary (based on square root transformation): Mean=0.1761, Std. Dev.=0.02662, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8449, critical = 0.835. Kappa = 1.993 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Constituent: Barium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

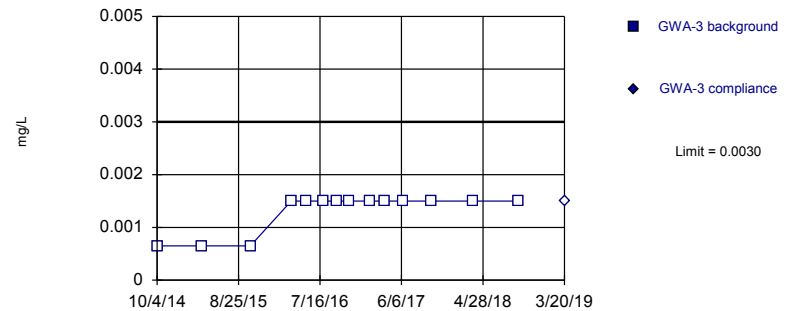
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Barium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Constituent: Beryllium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	0.0178	
8/2/2016	0.0394	
9/27/2016	0.032	
11/21/2016	0.0316 (J)	
2/1/2017	0.0264	
4/6/2017	0.0245	
6/13/2017	0.0247	
7/14/2017	0.0245	
10/3/2017	0.0218	
3/20/2018	0.024	
9/18/2018	0.027	
3/21/2019		0.03



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	0.06	
6/18/2015	0.047 (D)	
7/2/2015	0.04	
10/8/2015	0.032	
3/22/2016	0.0263	
5/25/2016	0.0178	
8/2/2016	0.0265	
9/26/2016	0.0267	
11/21/2016	0.0309 (J)	
2/3/2017	0.0289	
4/7/2017	0.029	
6/13/2017	0.027	
10/3/2017	0.0292	
3/20/2018	0.029	
9/18/2018	0.025	
5/6/2019		0.017

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	0.043	
11/1/2007	0.032	
11/19/2007	0.049 (J)	
1/15/2008	0.12	
3/6/2008	0.075	
5/13/2008	0.055	
12/12/2008	0.16	
4/16/2009	0.15	
10/13/2009	0.05	
4/21/2010	0.039	
9/29/2010	0.033	
4/13/2011	0.033	
10/5/2011	0.035	
4/4/2012	0.0422	
10/8/2012	0.029	
4/8/2013	0.042	
10/9/2013	0.04	
4/9/2014	0.038	
9/30/2014	0.038	
4/2/2015	0.039	
10/10/2015	0.038 (D)	
3/30/2016	0.0412	
5/26/2016	0.0357	
8/5/2016	0.03	
9/28/2016	0.0308	
11/21/2016	0.0356 (J)	
2/6/2017	0.0391	
4/6/2017	0.0402	
6/13/2017	0.0394	
10/3/2017	0.0381	
3/20/2018	0.039	
9/18/2018	0.037	
3/21/2019		0.042

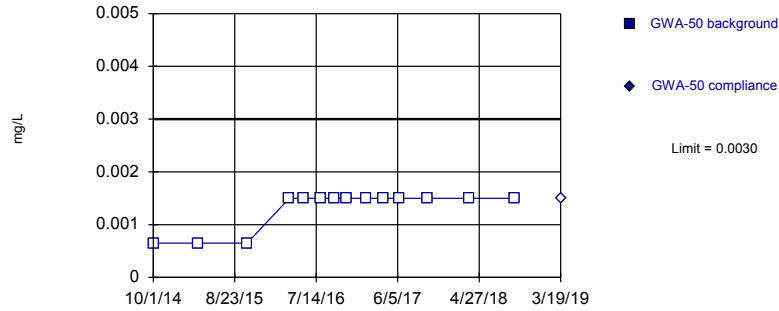
# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
10/4/2014	<0.0013	
3/31/2015	<0.0013	
10/12/2015	<0.0013	
3/23/2016	<0.003	
5/23/2016	<0.003	
7/29/2016	<0.003	
9/22/2016	<0.003	
11/10/2016	<0.003	
1/31/2017	<0.003	
3/30/2017	<0.003	
6/12/2017	<0.003	
10/4/2017	<0.003	
3/19/2018	<0.003	
9/17/2018	<0.003	
3/20/2019		<0.003

Within Limit

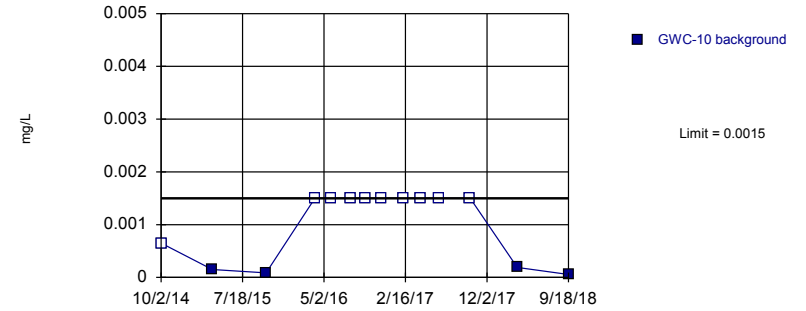
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

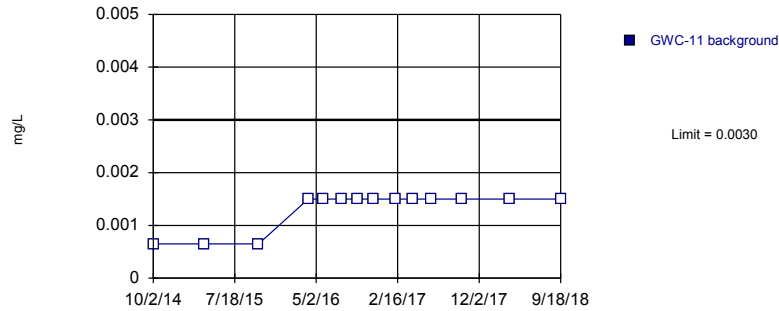
Prediction Limit  
Intrawell Non-parametric, GWC-10



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3). Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-11

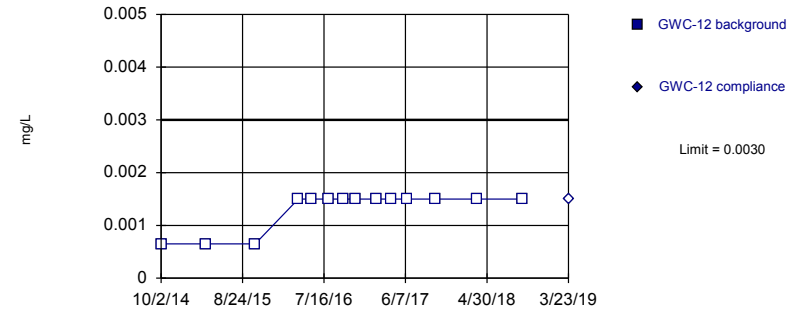


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3). Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
10/1/2014	<0.0013	
3/30/2015	<0.0013	
10/11/2015	<0.0013	
3/28/2016	<0.003	
5/23/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/10/2016	<0.003	
1/30/2017	<0.003	
4/7/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/17/2018	<0.003	
3/19/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10
10/2/2014	<0.0013
4/2/2015	0.00015 (J)
10/10/2015	8.5E-05 (J)
3/31/2016	<0.003
5/26/2016	<0.003
8/5/2016	<0.003
9/28/2016	<0.003
11/22/2016	<0.003
2/7/2017	<0.003
4/10/2017	<0.003
6/14/2017	<0.003
10/4/2017	<0.003
3/20/2018	0.00019 (J)
9/18/2018	5.4E-05 (J)
3/22/2019	0.00018 (X)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11
10/2/2014	<0.0013
4/1/2015	<0.0013
10/11/2015	<0.0013
4/4/2016	<0.003
5/26/2016	<0.003
8/3/2016	<0.003
9/28/2016	<0.003
11/22/2016	<0.003
2/8/2017	<0.003
4/10/2017	<0.003
6/15/2017	<0.003
10/4/2017	<0.003
3/21/2018	<0.003
9/18/2018	<0.003
3/23/2019	5.7E-05 (X)

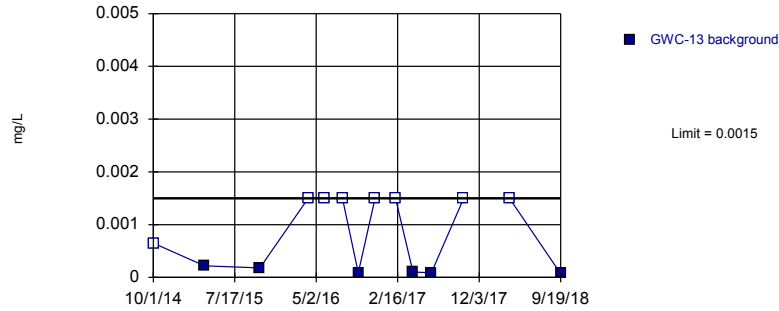
# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
10/2/2014	<0.0013	
4/1/2015	<0.0013	
10/14/2015	<0.0013	
4/4/2016	<0.003	
5/27/2016	<0.003	
8/3/2016	<0.003	
9/30/2016	<0.003	
11/22/2016	<0.003	
2/13/2017	<0.003	
4/11/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/22/2018	<0.003	
9/18/2018	<0.003	
3/23/2019		<0.003



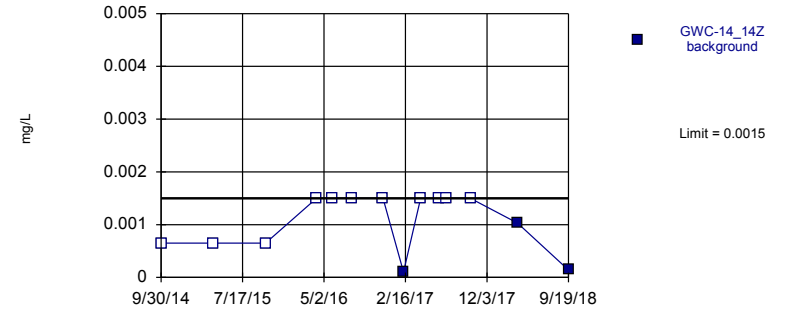
Prediction Limit  
Intrawell Non-parametric, GWC-13



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3). Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-14\_14Z

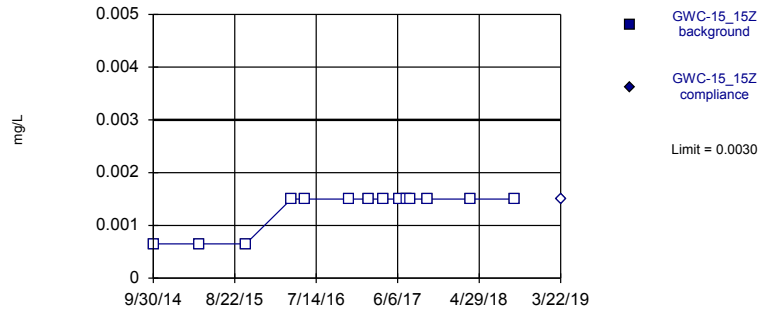


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3). Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

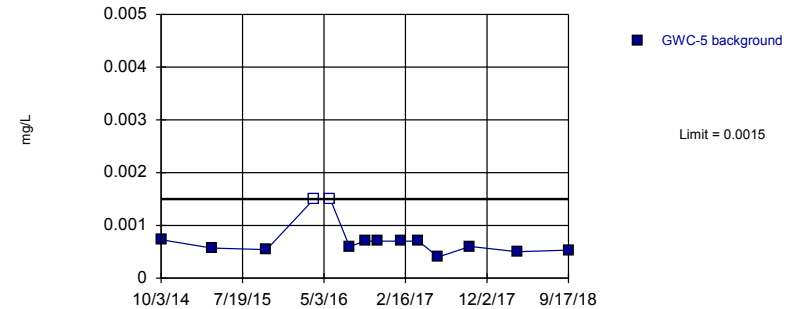
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Parametric, GWC-5



Background Data Summary (based on natural log transformation): Mean=-7.292, Std. Dev.=0.3735, n=14, 14.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8266, critical = 0.825. Kappa = 2.043 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13
10/1/2014	<0.0013
4/1/2015	0.00022 (J)
10/15/2015	0.00018 (J)
4/4/2016	<0.003
5/31/2016	<0.003
8/4/2016	<0.003
9/29/2016	9E-05 (J)
11/28/2016	<0.003
2/9/2017	<0.003
4/12/2017	0.0001 (J)
6/16/2017	9E-05 (J)
10/9/2017	<0.003
3/21/2018	<0.003
9/19/2018	7E-05 (J)
3/23/2019	6.1E-05 (X)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWC-14\_14Z

9/30/2014	<0.0013
4/3/2015	<0.0013
10/7/2015	<0.0013
4/5/2016	<0.003
6/1/2016	<0.003
8/9/2016	<0.003
11/28/2016	<0.003
2/9/2017	0.0001 (J)
4/11/2017	<0.003
6/14/2017	<0.003
7/12/2017	<0.003
10/5/2017	<0.003
3/22/2018	0.00103 (D)
9/19/2018	0.00014 (J)
3/22/2019	9.4E-05 (X)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
9/30/2014	<0.0013	
4/3/2015	<0.0013	
10/6/2015	<0.0013	
4/5/2016	<0.003	
5/31/2016	<0.003	
11/23/2016	<0.003	
2/10/2017	<0.003	
4/11/2017	<0.003	
6/15/2017	<0.003	
7/12/2017	<0.003	
7/26/2017	<0.003	
10/6/2017	<0.003	
3/23/2018	<0.003	
9/19/2018	<0.003	
3/22/2019		<0.003

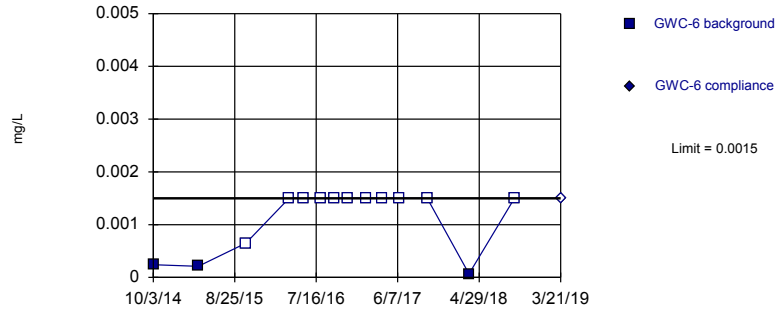
# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5
10/3/2014	0.00073 (J)
3/31/2015	0.00057 (J)
10/12/2015	0.00054 (J)
3/28/2016	<0.003
5/25/2016	<0.003
8/1/2016	0.0006 (J)
9/27/2016	0.0007 (J)
11/11/2016	0.0007 (J)
1/31/2017	0.0007 (J)
4/3/2017	0.0007 (J)
6/12/2017	0.0004 (J)
10/3/2017	0.0006 (J)
3/19/2018	0.0005 (J)
9/17/2018	0.00053 (J)
3/20/2019	0.00046 (X)

Within Limit

Prediction Limit  
Intrawell Non-parametric

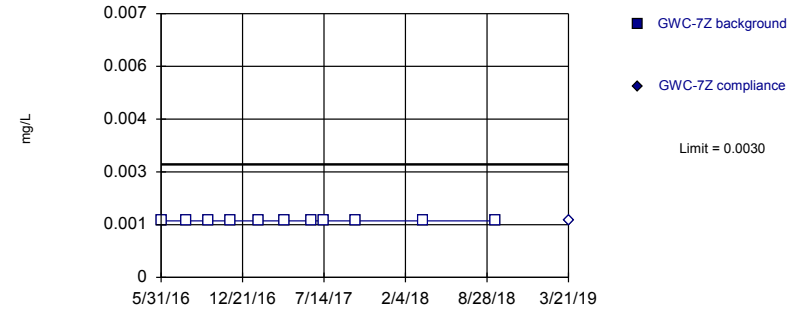


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

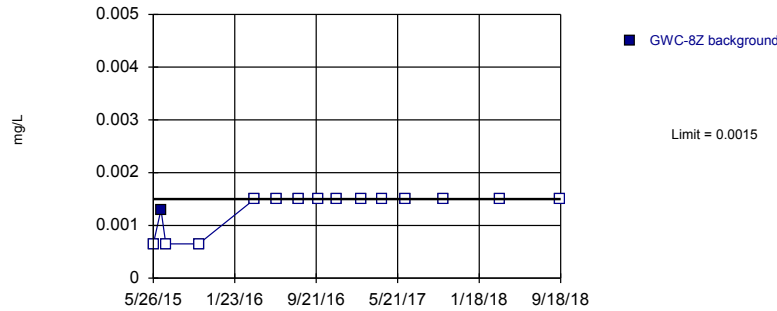
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

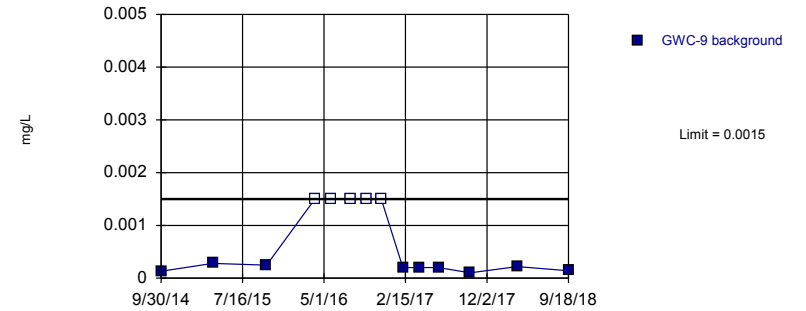
Prediction Limit  
Intrawell Non-parametric, GWC-8Z



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3). Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-9



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 35.71% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3). Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
10/3/2014	0.00024 (J)	
4/1/2015	0.00021 (J)	
10/9/2015	<0.0013	
3/29/2016	<0.003	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/18/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	6.6E-05 (J)	
9/17/2018	<0.003	
3/21/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/21/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
7/14/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
3/21/2019		<0.003



# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z
5/26/2015	<0.0013
6/18/2015	0.0013 (D)
7/2/2015	<0.0013
10/8/2015	<0.0013
3/22/2016	<0.003
5/25/2016	<0.003
8/2/2016	<0.003
9/26/2016	<0.003
11/21/2016	<0.003
2/3/2017	<0.003
4/7/2017	<0.003
6/13/2017	<0.003
10/3/2017	<0.003
3/20/2018	<0.003
9/18/2018	<0.003
5/6/2019	0.0001 (X)

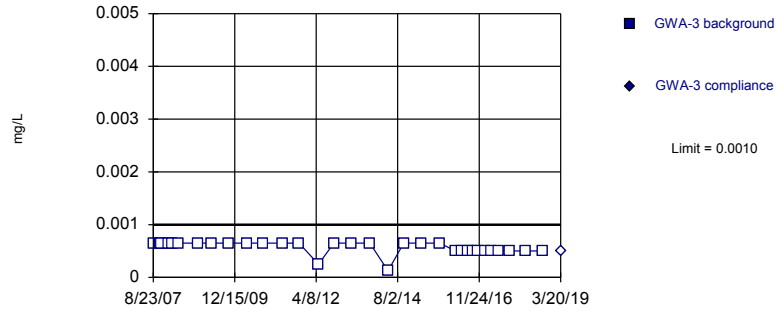
# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9
9/30/2014	0.00013 (J)
4/2/2015	0.00028 (J)
10/10/2015	0.000245 (JD)
3/30/2016	<0.003
5/26/2016	<0.003
8/5/2016	<0.003
9/28/2016	<0.003
11/21/2016	<0.003
2/6/2017	0.0002 (J)
4/6/2017	0.0002 (J)
6/13/2017	0.0002 (J)
10/3/2017	0.0001 (J)
3/20/2018	0.00022 (J)
9/18/2018	0.00014 (JD)
3/21/2019	0.00015 (X)

Within Limit

Prediction Limit  
Intrawell Non-parametric

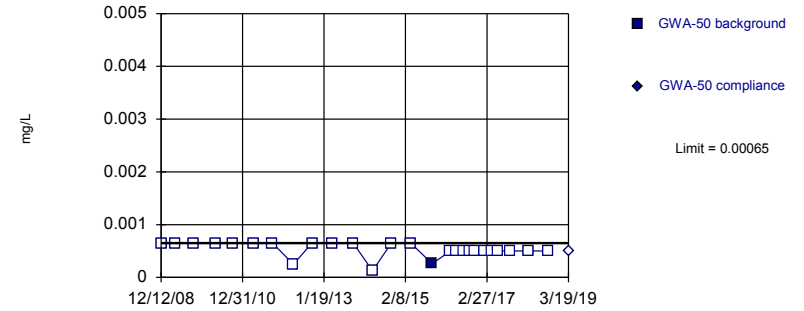


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 8/28/2019 9:02 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

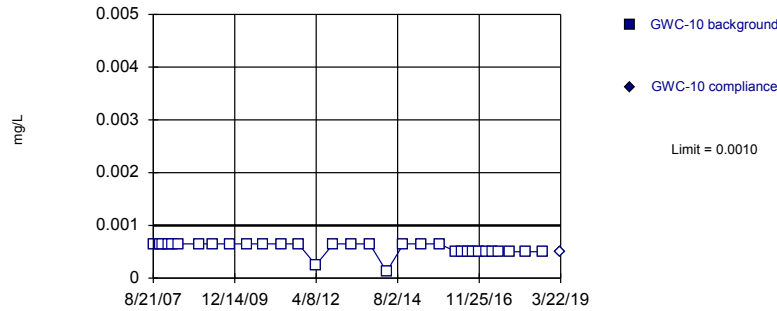


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Cadmium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

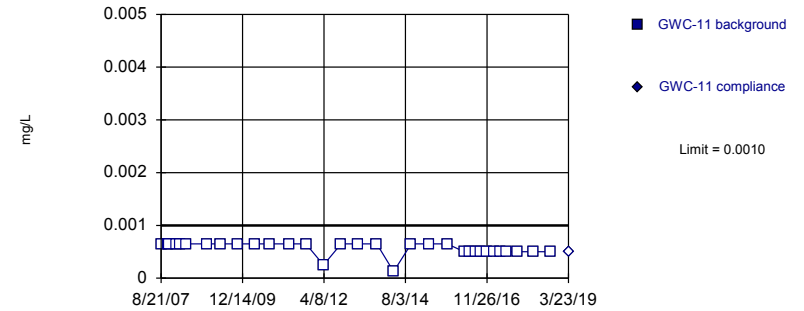


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.0013	
11/2/2007	<0.0013	
11/18/2007	<0.0013	
1/31/2008	<0.0013	
3/11/2008	<0.0013	
5/14/2008	<0.0013	
12/5/2008	<0.0013	
4/15/2009	<0.0013	
10/8/2009	<0.0013	
4/28/2010	<0.0013	
10/6/2010	<0.0013	
4/21/2011	<0.0013	
10/13/2011	<0.0013	
5/1/2012	<0.0005	
10/9/2012	<0.0013	
4/11/2013	<0.0013	
10/16/2013	<0.0013	
4/23/2014	<0.00025	
10/4/2014	<0.0013	
3/31/2015	<0.0013	
10/12/2015	<0.0013	
3/23/2016	<0.001	
5/23/2016	<0.001	
7/29/2016	<0.001	
9/22/2016	<0.001	
11/10/2016	<0.001	
1/31/2017	<0.001	
3/30/2017	<0.001	
6/12/2017	<0.001	
10/4/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/20/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.0013	
4/23/2009	<0.0013	
10/6/2009	<0.0013	
4/27/2010	<0.0013	
9/30/2010	<0.0013	
4/14/2011	<0.0013	
10/5/2011	<0.0013	
4/11/2012	<0.0005	
10/2/2012	<0.0013	
4/9/2013	<0.0013	
10/15/2013	<0.0013	
4/10/2014	<0.00025	
10/1/2014	<0.0013	
3/30/2015	<0.0013	
10/11/2015	0.00026 (J)	
3/28/2016	<0.001	
5/23/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/10/2016	<0.001	
1/30/2017	<0.001	
4/7/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/17/2018	<0.001	
3/19/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

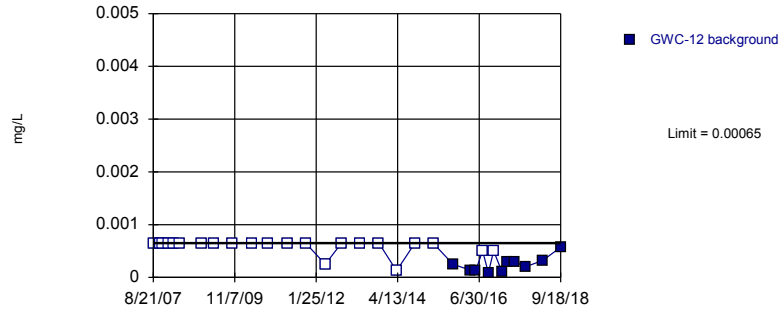
	GWC-10	GWC-10
8/21/2007	<0.0013	
11/1/2007	<0.0013	
11/20/2007	<0.0013	
1/30/2008	<0.0013	
3/6/2008	<0.0013	
5/12/2008	<0.0013	
12/13/2008	<0.0013	
4/29/2009	<0.0013	
10/20/2009	<0.0013	
4/26/2010	<0.0013	
9/29/2010	<0.0013	
4/13/2011	<0.0013	
10/5/2011	<0.0013	
4/4/2012	<0.0005	
10/3/2012	<0.0013	
4/3/2013	<0.0013	
10/15/2013	<0.0013	
4/9/2014	<0.00025	
10/2/2014	<0.0013	
4/2/2015	<0.0013	
10/10/2015	<0.0013	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/5/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
3/22/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.0013	
11/1/2007	<0.0013	
11/18/2007	<0.0013	
1/30/2008	<0.0013	
3/5/2008	<0.0013	
5/7/2008	<0.0013	
12/14/2008	<0.0013	
4/29/2009	<0.0013	
10/22/2009	<0.0013	
4/21/2010	<0.0013	
9/28/2010	<0.0013	
4/12/2011	<0.0013	
10/4/2011	<0.0013	
4/3/2012	<0.0005	
10/3/2012	<0.0013	
4/3/2013	<0.0013	
10/9/2013	<0.0013	
4/2/2014	<0.00025	
10/2/2014	<0.0013	
4/1/2015	<0.0013	
10/11/2015	<0.0013	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/23/2019		<0.001

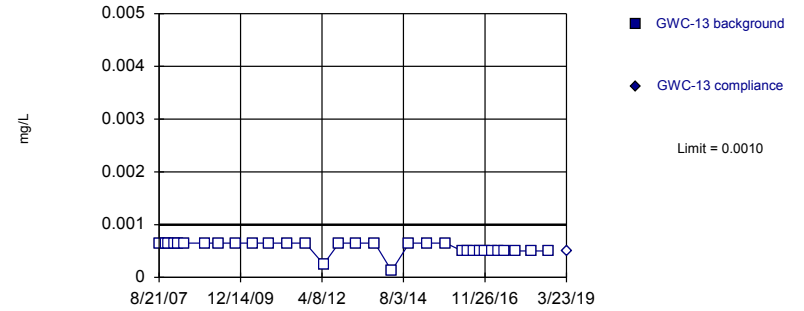
Prediction Limit  
Intrawell Non-parametric, GWC-12



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3). Assumes 1 future value.

Constituent: Cadmium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

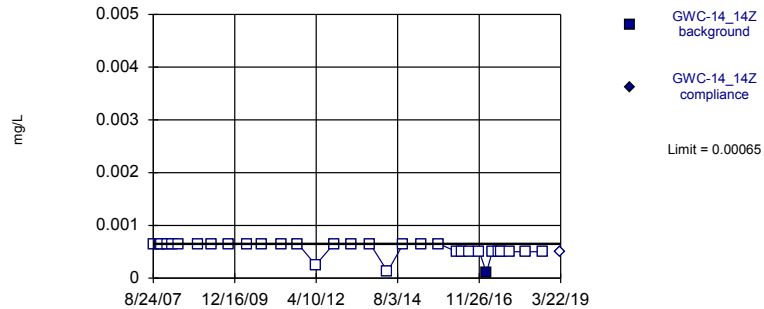
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

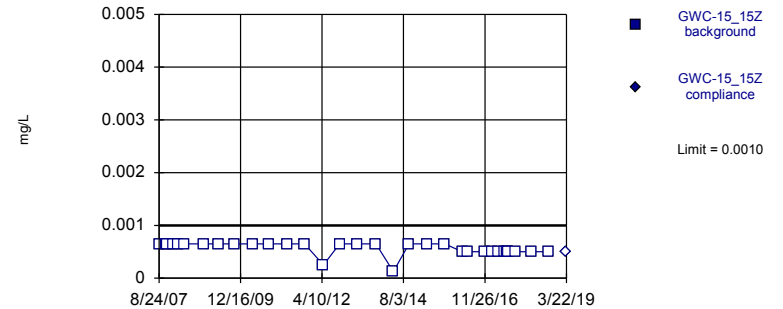
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12
8/21/2007	<0.0013
11/1/2007	<0.0013
11/19/2007	<0.0013
1/16/2008	<0.0013
3/5/2008	<0.0013
5/13/2008	<0.0013
12/13/2008	<0.0013
4/16/2009	<0.0013
10/21/2009	<0.0013
4/27/2010	<0.0013
10/5/2010	<0.0013
4/19/2011	<0.0013
10/12/2011	<0.0013
4/24/2012	<0.0005
10/2/2012	<0.0013
4/2/2013	<0.0013
10/9/2013	<0.0013
4/1/2014	<0.00025
10/2/2014	<0.0013
4/1/2015	<0.0013
10/14/2015	0.00025 (J)
4/4/2016	0.000136 (J)
5/27/2016	0.000131 (J)
8/3/2016	<0.001
9/30/2016	9E-05 (J)
11/22/2016	<0.001
2/13/2017	0.0001 (J)
4/11/2017	0.0003 (J)
6/14/2017	0.0003 (J)
10/4/2017	0.0002 (J)
3/22/2018	0.00032 (J)
9/18/2018	0.00057 (J)
3/23/2019	0.00035 (X)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.0013	
11/1/2007	<0.0013	
11/19/2007	<0.0013	
1/31/2008	<0.0013	
3/5/2008	<0.0013	
5/12/2008	<0.0013	
12/13/2008	<0.0013	
4/28/2009	<0.0013	
10/21/2009	<0.0013	
4/28/2010	<0.0013	
10/5/2010	<0.0013	
4/19/2011	<0.0013	
10/18/2011	<0.0013	
4/25/2012	<0.0005	
10/2/2012	<0.0013	
4/2/2013	<0.0013	
10/8/2013	<0.0013	
4/1/2014	<0.00025	
10/1/2014	<0.0013	
4/1/2015	<0.0013	
10/15/2015	<0.0013	
4/4/2016	<0.001	
5/31/2016	<0.001	
8/4/2016	<0.001	
9/29/2016	<0.001	
11/28/2016	<0.001	
2/9/2017	<0.001	
4/12/2017	<0.001	
6/16/2017	<0.001	
10/9/2017	<0.001	
3/21/2018	<0.001	
9/19/2018	<0.001	
3/23/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	<0.0013	
11/2/2007	<0.0013	
11/17/2007	<0.0013	
1/15/2008	<0.0013	
3/5/2008	<0.0013	
5/7/2008	<0.0013	
12/2/2008	<0.0013	
4/16/2009	<0.0013	
10/20/2009	<0.0013	
4/20/2010	<0.0013	
9/29/2010	<0.0013	
4/12/2011	<0.0013	
10/4/2011	<0.0013	
4/4/2012	<0.0005	
10/10/2012	<0.0013	
4/15/2013	<0.0013	
10/22/2013	<0.0013	
4/21/2014	<0.00025	
9/30/2014	<0.0013	
4/3/2015	<0.0013	
10/7/2015	<0.0013	
4/5/2016	<0.001	
6/1/2016	<0.001	
8/9/2016	<0.001	
11/28/2016	<0.001	
2/9/2017	0.0001 (J)	
4/11/2017	<0.001	
6/14/2017	<0.001	
7/12/2017	<0.001	
10/5/2017	<0.001	
3/22/2018	<0.001	
9/19/2018	<0.001	
3/22/2019		<0.001

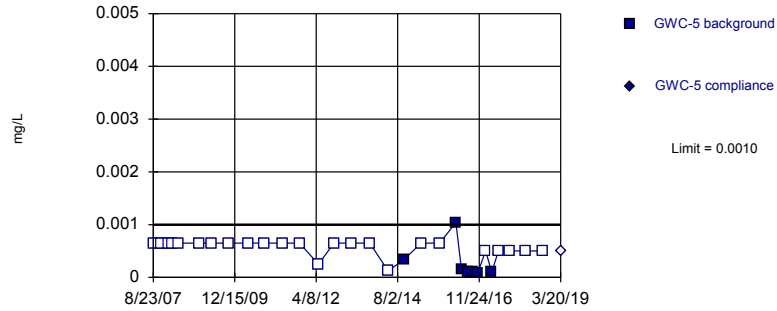
# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.0013	
11/2/2007	<0.0013	
11/18/2007	<0.0013	
1/15/2008	<0.0013	
3/10/2008	<0.0013	
5/13/2008	<0.0013	
12/2/2008	<0.0013	
4/28/2009	<0.0013	
10/20/2009	<0.0013	
4/27/2010	<0.0013	
10/5/2010	<0.0013	
4/19/2011	<0.0013	
10/12/2011	<0.0013	
4/25/2012	<0.0005	
10/10/2012	<0.0013	
4/16/2013	<0.0013	
10/22/2013	<0.0013	
4/21/2014	<0.00025	
9/30/2014	<0.0013	
4/3/2015	<0.0013	
10/6/2015	<0.0013	
4/5/2016	<0.001	
5/31/2016	<0.001	
11/23/2016	<0.001	
2/10/2017	<0.001	
4/11/2017	<0.001	
6/15/2017	<0.001	
7/12/2017	<0.001	
7/26/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/19/2018	<0.001	
3/22/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

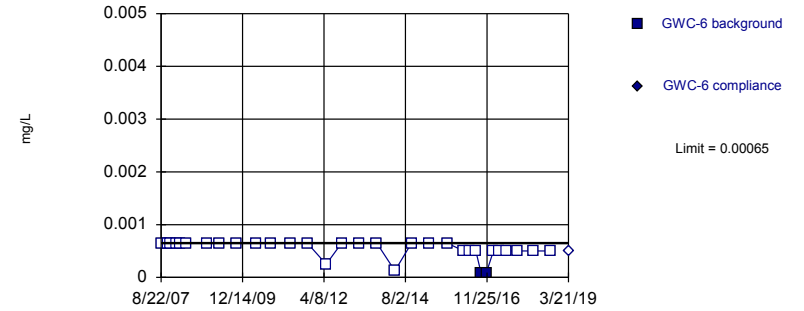


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

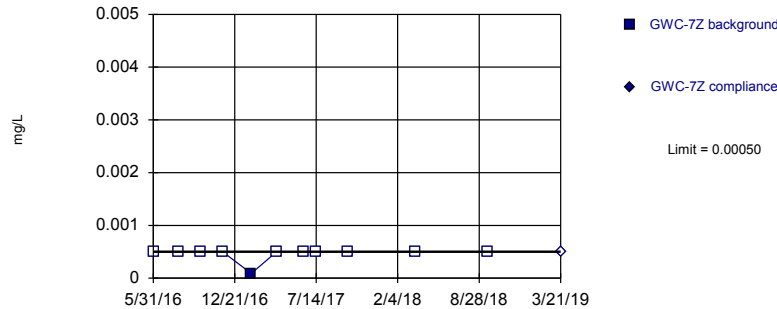


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

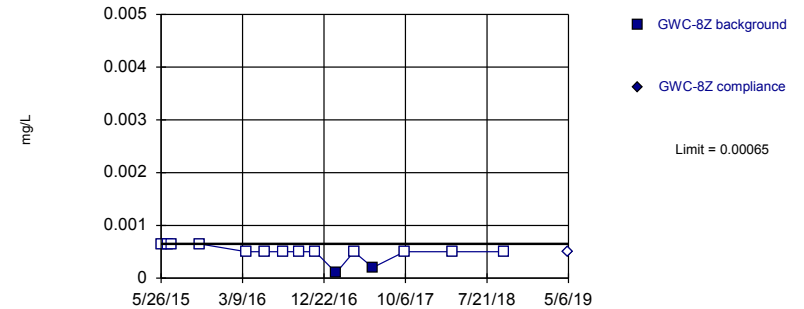


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Cadmium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.0013	
10/25/2007	<0.0013	
11/19/2007	<0.0013	
1/23/2008	<0.0013	
3/11/2008	<0.0013	
5/12/2008	<0.0013	
12/11/2008	<0.0013	
4/15/2009	<0.0013	
10/9/2009	<0.0013	
5/4/2010	<0.0013	
10/12/2010	<0.0013	
4/28/2011	<0.0013	
10/19/2011	<0.0013	
5/2/2012	<0.0005	
10/9/2012	<0.0013	
4/11/2013	<0.0013	
10/16/2013	<0.0013	
4/23/2014	<0.00025	
10/3/2014	0.00033 (J)	
3/31/2015	<0.0013	
10/12/2015	<0.0013	
3/28/2016	0.00104 (J)	
5/25/2016	0.000148 (J)	
8/1/2016	0.0001 (J)	
9/27/2016	0.0001 (J)	
11/11/2016	9E-05 (J)	
1/31/2017	<0.001	
4/3/2017	0.0001 (J)	
6/12/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/20/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.0013	
10/25/2007	<0.0013	
11/20/2007	<0.0013	
1/23/2008	<0.0013	
3/11/2008	<0.0013	
5/14/2008	<0.0013	
12/11/2008	<0.0013	
4/23/2009	<0.0013	
10/9/2009	<0.0013	
5/4/2010	<0.0013	
10/11/2010	<0.0013	
4/26/2011	<0.0013	
10/18/2011	<0.0013	
5/2/2012	<0.0005	
10/8/2012	<0.0013	
4/10/2013	<0.0013	
10/8/2013	<0.0013	
4/14/2014	<0.00025	
10/3/2014	<0.0013	
4/1/2015	<0.0013	
10/9/2015	<0.0013	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	8E-05 (J)	
11/18/2016	8E-05 (J)	
2/1/2017	<0.001	
4/6/2017	<0.001	
6/13/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/21/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.001	
8/2/2016	<0.001	
9/27/2016	<0.001	
11/21/2016	<0.001	
2/1/2017	9E-05 (J)	
4/6/2017	<0.001	
6/13/2017	<0.001	
7/14/2017	<0.001	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
3/21/2019		<0.001



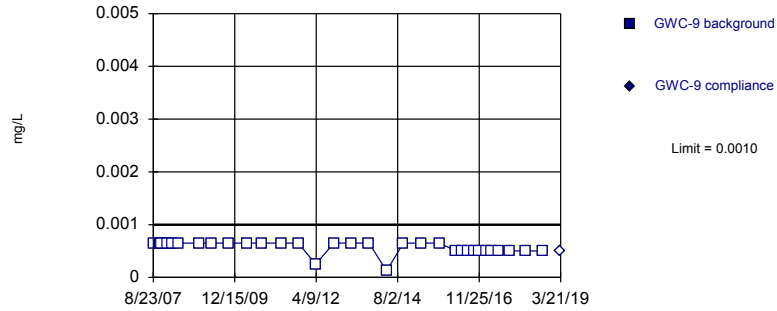
# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.0013	
6/18/2015	<0.0013 (D)	
7/2/2015	<0.0013	
10/8/2015	<0.0013	
3/22/2016	<0.001	
5/25/2016	<0.001	
8/2/2016	<0.001	
9/26/2016	<0.001	
11/21/2016	<0.001	
2/3/2017	0.0001 (J)	
4/7/2017	<0.001	
6/13/2017	0.0002 (J)	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
5/6/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

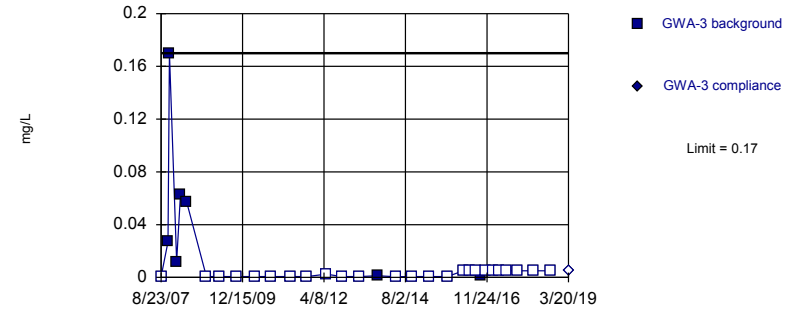


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

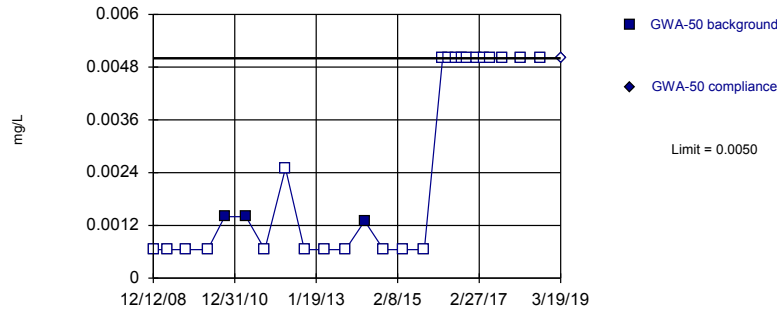


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

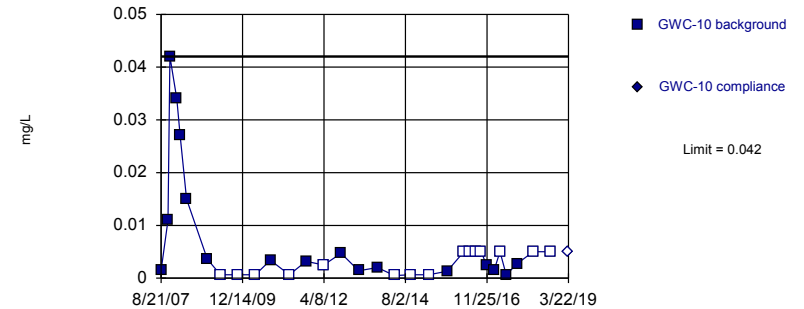


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Chromium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used after natural log transformation resulted in a parametric limit of 7.665, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 32 background values. 46.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.0013	
11/1/2007	<0.0013	
11/19/2007	<0.0013	
1/15/2008	<0.0013	
3/6/2008	<0.0013	
5/13/2008	<0.0013	
12/12/2008	<0.0013	
4/16/2009	<0.0013	
10/13/2009	<0.0013	
4/21/2010	<0.0013	
9/29/2010	<0.0013	
4/13/2011	<0.0013	
10/5/2011	<0.0013	
4/4/2012	<0.0005	
10/8/2012	<0.0013	
4/8/2013	<0.0013	
10/9/2013	<0.0013	
4/9/2014	<0.00025	
9/30/2014	<0.0013	
4/2/2015	<0.0013	
10/10/2015	<0.0013 (D)	
3/30/2016	<0.001	
5/26/2016	<0.001	
8/5/2016	<0.001	
9/28/2016	<0.001	
11/21/2016	<0.001	
2/6/2017	<0.001	
4/6/2017	<0.001	
6/13/2017	<0.001	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001 (D)	
3/21/2019		<0.001

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.0013	
11/2/2007	0.027	
11/18/2007	0.17	
1/31/2008	0.012	
3/11/2008	0.063	
5/14/2008	0.057	
12/5/2008	<0.0013	
4/15/2009	<0.0013	
10/8/2009	<0.0013	
4/28/2010	<0.0013	
10/6/2010	<0.0013	
4/21/2011	<0.0013	
10/13/2011	<0.0013	
5/1/2012	<0.005	
10/9/2012	<0.0013	
4/11/2013	<0.0013	
10/16/2013	0.0013	
4/23/2014	<0.001	
10/4/2014	<0.0013	
3/31/2015	<0.0013	
10/12/2015	<0.0013	
3/23/2016	<0.01	
5/23/2016	<0.01	
7/29/2016	<0.01	
9/22/2016	0.0013 (J)	
11/10/2016	<0.01	
1/31/2017	<0.01	
3/30/2017	<0.01	
6/12/2017	<0.01	
10/4/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.0013	
4/23/2009	<0.0013	
10/6/2009	<0.0013	
4/27/2010	<0.0013	
9/30/2010	0.0014	
4/14/2011	0.0014	
10/5/2011	<0.0013	
4/11/2012	<0.005	
10/2/2012	<0.0013	
4/9/2013	<0.0013	
10/15/2013	<0.0013	
4/10/2014	0.0013 (J)	
10/1/2014	<0.0013	
3/30/2015	<0.0013	
10/11/2015	<0.0013	
3/28/2016	<0.01	
5/23/2016	<0.01	
8/1/2016	<0.01 (*)	
9/26/2016	<0.01	
11/10/2016	<0.01	
1/30/2017	<0.01	
4/7/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01	
3/19/2019		<0.01

# Prediction Limit

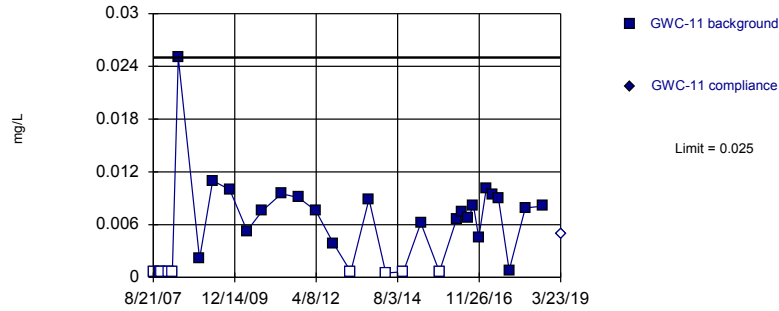
Constituent: Chromium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	0.0015	
11/1/2007	0.011	
11/20/2007	0.042	
1/30/2008	0.034	
3/6/2008	0.027	
5/12/2008	0.015	
12/13/2008	0.0036	
4/29/2009	<0.0013	
10/20/2009	<0.0013	
4/26/2010	<0.0013	
9/29/2010	0.0034	
4/13/2011	<0.0013	
10/5/2011	0.0032	
4/4/2012	<0.005	
10/3/2012	0.0047	
4/3/2013	0.0014	
10/15/2013	0.002	
4/9/2014	<0.001	
10/2/2014	<0.0013	
4/2/2015	<0.0013	
10/10/2015	0.0013	
3/31/2016	<0.01	
5/26/2016	<0.01	
8/5/2016	<0.01 (*)	
9/28/2016	<0.01	
11/22/2016	0.0024 (J)	
2/7/2017	0.0015 (J)	
4/10/2017	<0.01 (*)	
6/14/2017	0.0006 (J)	
10/4/2017	0.0027 (J)	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

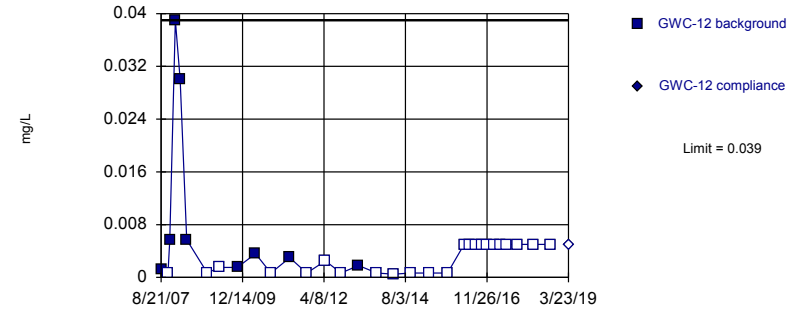


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 28.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 8/28/2019 9:03 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

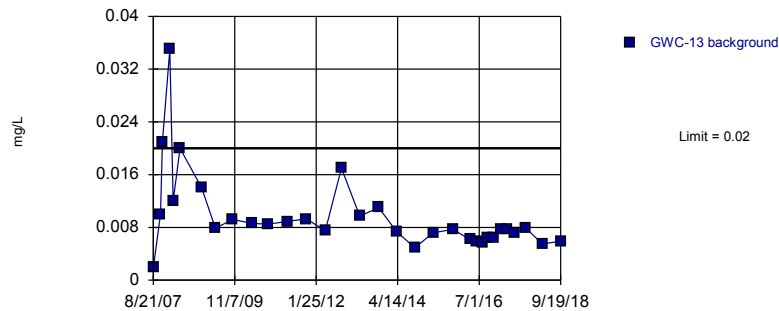
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Parametric, GWC-13

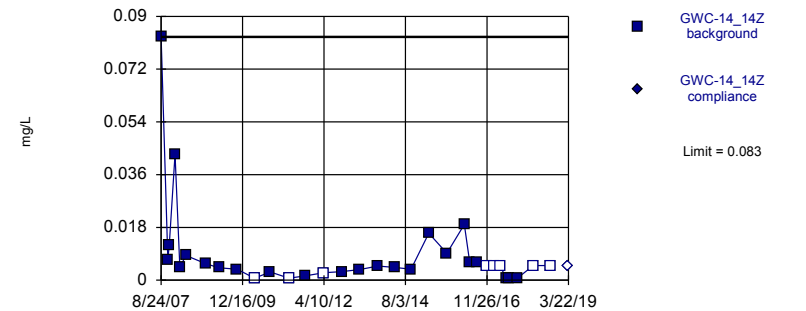


Background Data Summary (based on natural log transformation): Mean=-4.769, Std. Dev.=0.511, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9189, critical = 0.904. Kappa = 1.694 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Chromium Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used after natural log transformation resulted in a parametric limit of 1.425, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 32 background values. 25% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.0013	
11/1/2007	<0.0013	
11/18/2007	<0.0013	
1/30/2008	<0.0013	
3/5/2008	<0.0013	
5/7/2008	0.025	
12/14/2008	0.0021	
4/29/2009	0.011	
10/22/2009	0.01	
4/21/2010	0.0053	
9/28/2010	0.0076	
4/12/2011	0.0095	
10/4/2011	0.0091	
4/3/2012	0.0076	
10/3/2012	0.0039	
4/3/2013	<0.0013	
10/9/2013	0.0089	
4/2/2014	<0.001	
10/2/2014	<0.0013	
4/1/2015	0.0062	
10/11/2015	<0.0013	
4/4/2016	0.00656 (J)	
5/26/2016	0.00752 (J)	
8/3/2016	0.0067 (J)	
9/28/2016	0.0082 (J)	
11/22/2016	0.0045 (J)	
2/8/2017	0.0101	
4/10/2017	0.0094 (J)	
6/15/2017	0.009 (J)	
10/4/2017	0.0008 (J)	
3/21/2018	0.0079 (J)	
9/18/2018	0.0081 (J)	
3/23/2019		<0.01



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	0.0013	
11/1/2007	<0.0013	
11/19/2007	0.0056	
1/16/2008	0.039	
3/5/2008	0.03	
5/13/2008	0.0057	
12/13/2008	<0.0013	
4/16/2009	<0.003	
10/21/2009	0.0015	
4/27/2010	0.0036	
10/5/2010	<0.0013	
4/19/2011	0.003	
10/12/2011	<0.0013	
4/24/2012	<0.005	
10/2/2012	<0.0013	
4/2/2013	0.0018	
10/9/2013	<0.0013	
4/1/2014	<0.001	
10/2/2014	<0.0013	
4/1/2015	<0.0013	
10/14/2015	<0.0013	
4/4/2016	<0.01	
5/27/2016	<0.01	
8/3/2016	<0.01	
9/30/2016	<0.01	
11/22/2016	<0.01	
2/13/2017	<0.01	
4/11/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13
8/21/2007	0.0019
11/1/2007	0.01
11/19/2007	0.021
1/31/2008	0.035
3/5/2008	0.012
5/12/2008	0.02
12/13/2008	0.014
4/28/2009	0.0079
10/21/2009	0.0092
4/28/2010	0.0086
10/5/2010	0.0085
4/19/2011	0.0089
10/18/2011	0.0093
4/25/2012	0.0075
10/2/2012	0.017
4/2/2013	0.0097
10/8/2013	0.011
4/1/2014	0.0074
10/1/2014	0.0049
4/1/2015	0.0072
10/15/2015	0.0077
4/4/2016	0.00615 (J)
5/31/2016	0.00588 (J)
8/4/2016	0.0056 (J)
9/29/2016	0.0065 (J)
11/28/2016	0.0064 (J)
2/9/2017	0.0078 (J)
4/12/2017	0.0077 (J)
6/16/2017	0.0072 (J)
10/9/2017	0.0079 (J)
3/21/2018	0.0055 (J)
9/19/2018	0.0059 (J)
3/23/2019	0.0058 (X)

# Prediction Limit

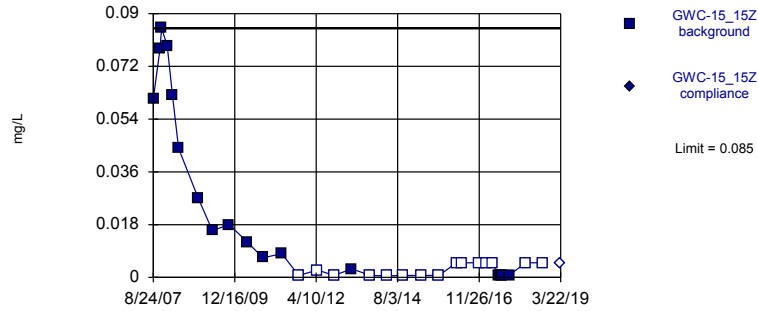
Constituent: Chromium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	0.083	
11/2/2007	0.0071	
11/17/2007	0.012	
1/15/2008	0.043	
3/5/2008	0.0044	
5/7/2008	0.0084	
12/2/2008	0.0056	
4/16/2009	0.0042	
10/20/2009	0.0037	
4/20/2010	<0.0013	
9/29/2010	0.0028	
4/12/2011	<0.0013	
10/4/2011	0.0015	
4/4/2012	<0.005	
10/10/2012	0.0029	
4/15/2013	0.0036	
10/22/2013	0.0048	
4/21/2014	0.0043	
9/30/2014	0.0037	
4/3/2015	0.016	
10/7/2015	0.0092	
4/5/2016	0.019 (J)	
6/1/2016	0.006 (J)	
8/9/2016	0.0061 (JD)	
11/28/2016	<0.01	
2/9/2017	<0.01	
4/11/2017	<0.01 (*)	
6/14/2017	0.0006 (J)	
7/12/2017	0.0005 (J)	
10/5/2017	0.0006 (J)	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

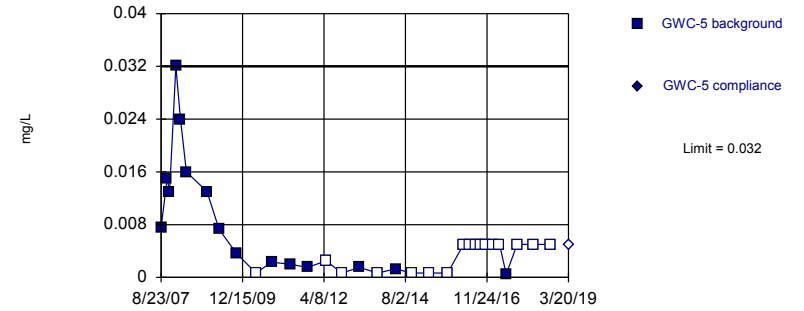


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 46.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

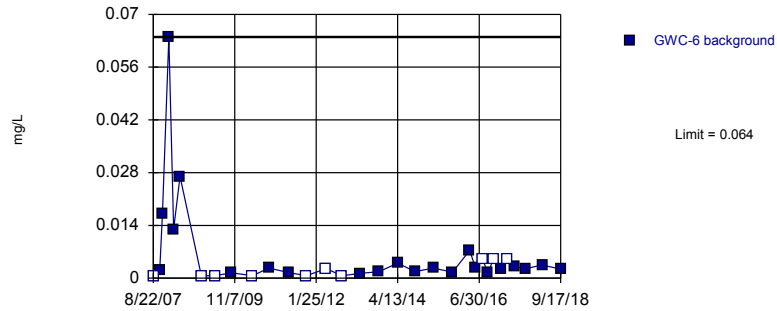
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-6

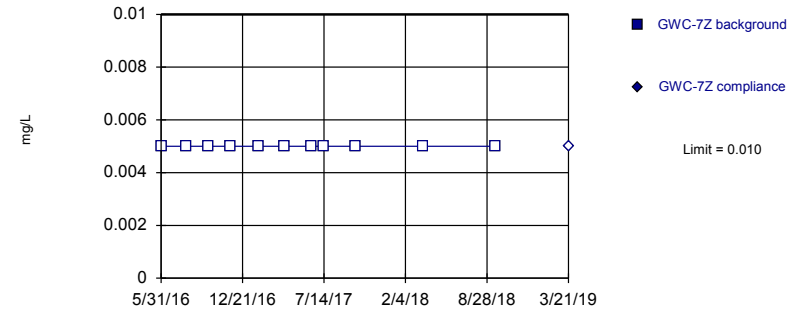


Non-parametric test used after natural log transformation resulted in a parametric limit of 2.353, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 32 background values. 31.25% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3). Assumes 1 future value.

Constituent: Chromium Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	0.061	
11/2/2007	0.078	
11/18/2007	0.085	
1/15/2008	0.079	
3/10/2008	0.062	
5/13/2008	0.044	
12/2/2008	0.027	
4/28/2009	0.016	
10/20/2009	0.018	
4/27/2010	0.012	
10/5/2010	0.0067	
4/19/2011	0.0081	
10/12/2011	<0.0013	
4/25/2012	<0.005	
10/10/2012	<0.0013	
4/16/2013	0.0029	
10/22/2013	<0.0013	
4/21/2014	<0.001	
9/30/2014	<0.0013	
4/3/2015	<0.0013	
10/6/2015	<0.0013	
4/5/2016	<0.01	
5/31/2016	<0.01	
11/23/2016	<0.01	
2/10/2017	<0.01	
4/11/2017	<0.01 (*)	
6/15/2017	0.0005 (J)	
7/12/2017	0.0008 (J)	
7/26/2017	0.0006 (J)	
10/6/2017	0.0008 (J)	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.0076	
10/25/2007	0.015	
11/19/2007	0.013	
1/23/2008	0.032	
3/11/2008	0.024	
5/12/2008	0.016	
12/11/2008	0.013	
4/15/2009	0.0073	
10/9/2009	0.0037	
5/4/2010	<0.0013	
10/12/2010	0.0023	
4/28/2011	0.002	
10/19/2011	0.0015	
5/2/2012	<0.005	
10/9/2012	<0.0013	
4/11/2013	0.0015	
10/16/2013	<0.0013	
4/23/2014	0.0013 (J)	
10/3/2014	<0.0013	
3/31/2015	<0.0013	
10/12/2015	<0.0013	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	<0.01	
9/27/2016	<0.01	
11/11/2016	<0.01 (*)	
1/31/2017	<0.01	
4/3/2017	<0.01	
6/12/2017	0.0005 (J)	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6
8/22/2007	<0.0013
10/25/2007	0.002
11/20/2007	0.017
1/23/2008	0.064
3/11/2008	0.013
5/14/2008	0.027
12/11/2008	<0.0013
4/23/2009	<0.0013
10/9/2009	0.0014
5/4/2010	<0.0013
10/11/2010	0.0027
4/26/2011	0.0015
10/18/2011	<0.0013
5/2/2012	<0.005
10/8/2012	<0.0013
4/10/2013	0.0013
10/8/2013	0.0017
4/14/2014	0.004
10/3/2014	0.0017
4/1/2015	0.0027
10/9/2015	0.0016
3/29/2016	0.00738 (J)
5/24/2016	0.00263 (J)
8/1/2016	<0.01 (*)
9/26/2016	0.0014 (J)
11/18/2016	<0.01 (*)
2/1/2017	0.0024 (J)
4/6/2017	<0.01 (*)
6/13/2017	0.0031 (J)
10/3/2017	0.0025 (J)
3/19/2018	0.0035 (J)
9/17/2018	0.0024 (J)
3/21/2019	0.0029 (X)

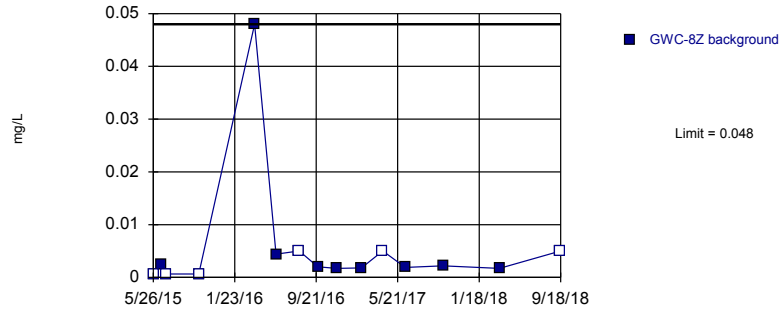
# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.01	
8/2/2016	<0.01	
9/27/2016	<0.01	
11/21/2016	<0.01	
2/1/2017	<0.01	
4/6/2017	<0.01 (*)	
6/13/2017	<0.01	
7/14/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		<0.01



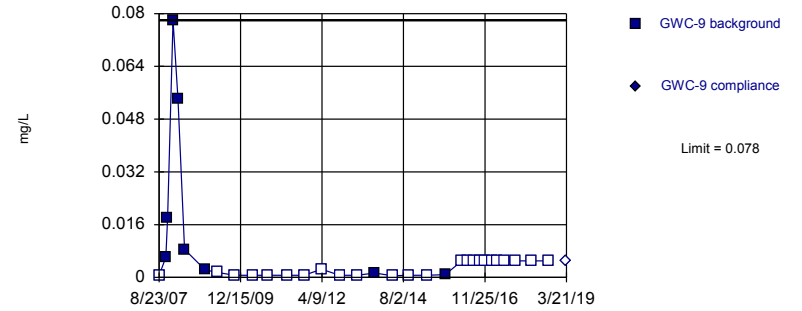
Prediction Limit  
Intrawell Non-parametric, GWC-8Z



Non-parametric test used after natural log transformation resulted in a parametric limit of 13.45, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3). Assumes 1 future value.

Constituent: Chromium Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

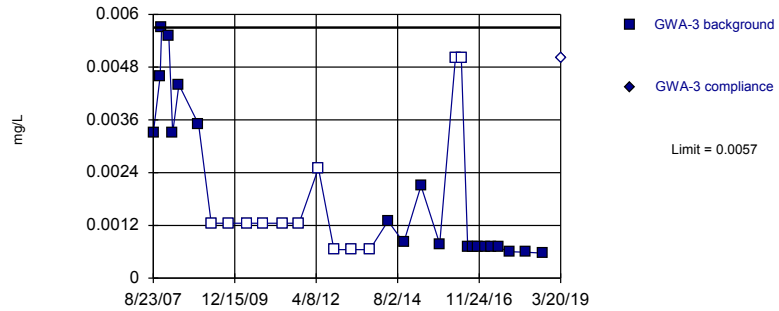
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

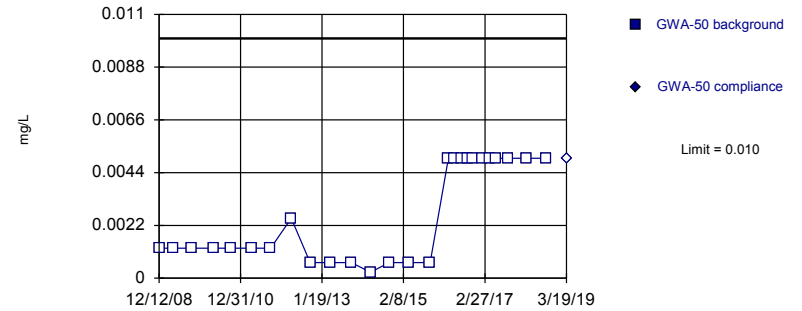
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 37.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 26) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Cobalt Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z
5/26/2015	<0.0013
6/18/2015	0.0024 (D)
7/2/2015	<0.0013
10/8/2015	<0.0013
3/22/2016	0.048 (J)
5/25/2016	0.00441 (J)
8/2/2016	<0.01 (*)
9/26/2016	0.002 (J)
11/21/2016	0.0017 (J)
2/3/2017	0.0018 (J)
4/7/2017	<0.01 (*)
6/13/2017	0.0019 (J)
10/3/2017	0.0022 (J)
3/20/2018	0.0017 (J)
9/18/2018	<0.01
5/6/2019	0.0048 (X)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.0013	
11/1/2007	0.0061	
11/19/2007	0.018 (J)	
1/15/2008	0.078	
3/6/2008	0.054	
5/13/2008	0.0085	
12/12/2008	0.0023	
4/16/2009	<0.003	
10/13/2009	<0.0013	
4/21/2010	<0.0013	
9/29/2010	<0.0013	
4/13/2011	<0.0013	
10/5/2011	<0.0013	
4/4/2012	<0.005	
10/8/2012	<0.0013	
4/8/2013	<0.0013	
10/9/2013	0.0013	
4/9/2014	<0.001	
9/30/2014	<0.0013	
4/2/2015	<0.0013	
10/10/2015	0.000825 (D)	
3/30/2016	<0.01	
5/26/2016	<0.01	
8/5/2016	<0.01 (*)	
9/28/2016	<0.01	
11/21/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.0033	
11/2/2007	0.0046	
11/18/2007	0.0057	
1/31/2008	0.0055	
3/11/2008	0.0033	
5/14/2008	0.0044	
12/5/2008	0.0035	
4/15/2009	<0.0025	
10/8/2009	<0.0025	
4/28/2010	<0.0025	
10/6/2010	<0.0025	
4/21/2011	<0.0025	
10/13/2011	<0.0025	
5/1/2012	<0.005	
10/9/2012	<0.0013	
4/11/2013	<0.0013	
10/16/2013	<0.0013	
4/23/2014	0.0013 (J)	
10/4/2014	0.00081 (J)	
3/31/2015	0.0021	
10/12/2015	0.00078 (J)	
3/23/2016	<0.01	
5/23/2016	<0.01	
7/29/2016	0.0007 (J)	
9/22/2016	0.0007 (J)	
11/10/2016	0.0007 (J)	
1/31/2017	0.0007 (J)	
3/30/2017	0.0007 (J)	
6/12/2017	0.0007 (J)	
10/4/2017	0.0006 (J)	
3/19/2018	0.00059 (J)	
9/17/2018	0.00057 (J)	
3/20/2019		<0.01

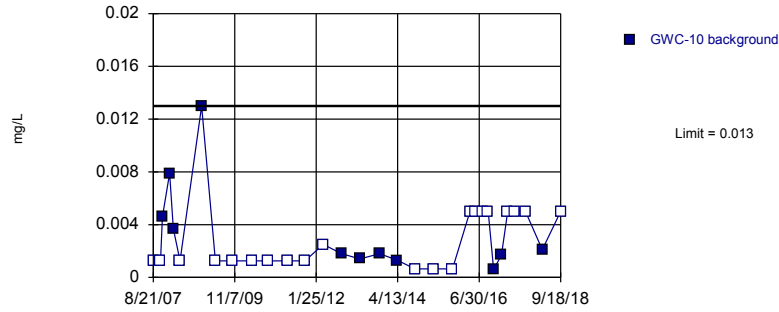
# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.0025	
4/23/2009	<0.0025	
10/6/2009	<0.0025	
4/27/2010	<0.0025	
9/30/2010	<0.0025	
4/14/2011	<0.0025	
10/5/2011	<0.0025	
4/11/2012	<0.005	
10/2/2012	<0.0013	
4/9/2013	<0.0013	
10/15/2013	<0.0013	
4/10/2014	<0.0005	
10/1/2014	<0.0013	
3/30/2015	<0.0013	
10/11/2015	<0.0013	
3/28/2016	<0.01	
5/23/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/10/2016	<0.01	
1/30/2017	<0.01	
4/7/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01	
3/19/2019		<0.01

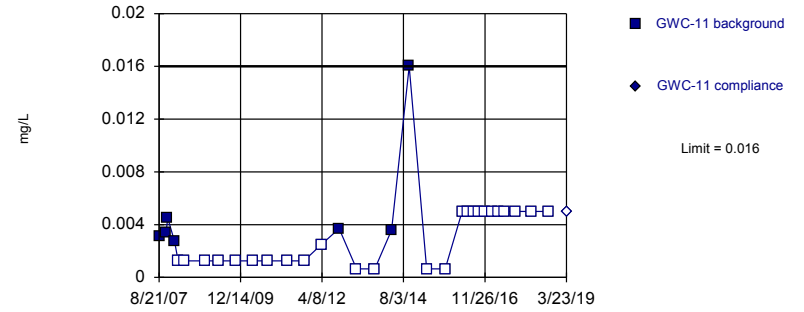
Prediction Limit  
Intrawell Non-parametric, GWC-10



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 65.63% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3). Assumes 1 future value.

Constituent: Cobalt Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

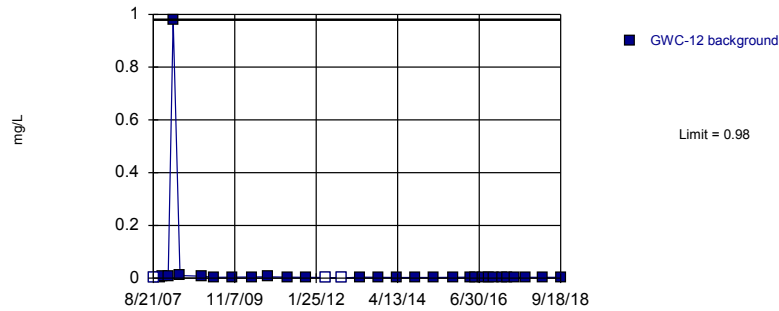
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

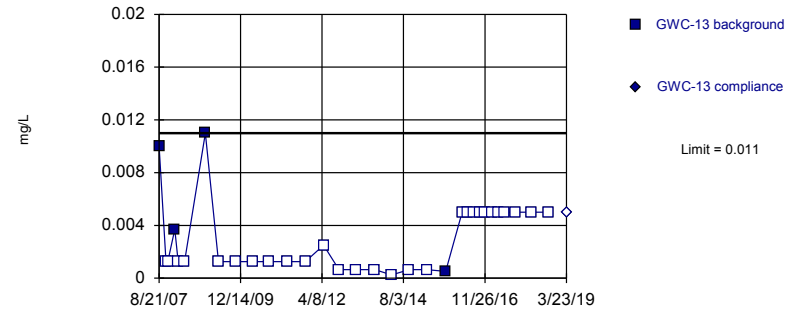
Prediction Limit  
Intrawell Non-parametric, GWC-12



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 9.375% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3). Assumes 1 future value.

Constituent: Cobalt Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10
8/21/2007	<0.0025
11/1/2007	<0.0025
11/20/2007	0.0046
1/30/2008	0.0079
3/6/2008	0.0037
5/12/2008	<0.0025
12/13/2008	0.013
4/29/2009	<0.0025
10/20/2009	<0.0025
4/26/2010	<0.0025
9/29/2010	<0.0025
4/13/2011	<0.0025
10/5/2011	<0.0025
4/4/2012	<0.005
10/3/2012	0.0018
4/3/2013	0.0014
10/15/2013	0.0018
4/9/2014	0.0013 (J)
10/2/2014	<0.0013
4/2/2015	<0.0013
10/10/2015	<0.0013
3/31/2016	<0.01
5/26/2016	<0.01
8/5/2016	<0.01
9/28/2016	<0.01
11/22/2016	0.0006 (J)
2/7/2017	0.0017 (J)
4/10/2017	<0.01
6/14/2017	<0.01
10/4/2017	<0.01
3/20/2018	0.0021 (J)
9/18/2018	<0.01
3/22/2019	0.0011 (X)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	0.0031	
11/1/2007	0.0034	
11/18/2007	0.0045	
1/30/2008	0.0027	
3/5/2008	<0.0025	
5/7/2008	<0.0025	
12/14/2008	<0.0025	
4/29/2009	<0.0025	
10/22/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.005	
10/3/2012	0.0037	
4/3/2013	<0.0013	
10/9/2013	<0.0013	
4/2/2014	0.0036	
10/2/2014	0.016	
4/1/2015	<0.0013	
10/11/2015	<0.0013	
4/4/2016	<0.01	
5/26/2016	<0.01	
8/3/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/8/2017	<0.01	
4/10/2017	<0.01	
6/15/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12
8/21/2007	<0.0025
11/1/2007	0.0041
11/19/2007	0.0055
1/16/2008	0.008
3/5/2008	0.98
5/13/2008	0.01
12/13/2008	0.0073
4/16/2009	0.0033
10/21/2009	0.0039
4/27/2010	0.0044
10/5/2010	0.005
4/19/2011	0.0039
10/12/2011	0.0032
4/24/2012	<0.005
10/2/2012	<0.0013
4/2/2013	0.0038
10/9/2013	0.003
4/1/2014	0.0027
10/2/2014	0.0027
4/1/2015	0.0028
10/14/2015	0.003
4/4/2016	0.00351 (J)
5/27/2016	0.00332 (J)
8/3/2016	0.003 (J)
9/30/2016	0.0035 (J)
11/22/2016	0.0027 (J)
2/13/2017	0.003 (J)
4/11/2017	0.0031 (J)
6/14/2017	0.0031 (J)
10/4/2017	0.0032 (J)
3/22/2018	0.0033 (J)
9/18/2018	0.0031 (J)
3/23/2019	0.0032 (X)

# Prediction Limit

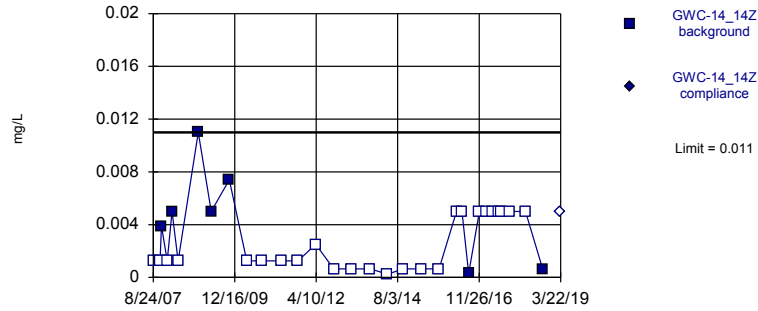
Constituent: Cobalt (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.01	
11/1/2007	<0.0025	
11/19/2007	<0.0025	
1/31/2008	0.0037	
3/5/2008	<0.0025	
5/12/2008	<0.0025	
12/13/2008	0.011	
4/28/2009	<0.0025	
10/21/2009	<0.0025	
4/28/2010	<0.0025	
10/5/2010	<0.0025	
4/19/2011	<0.0025	
10/18/2011	<0.0025	
4/25/2012	<0.005	
10/2/2012	<0.0013	
4/2/2013	<0.0013	
10/8/2013	<0.0013	
4/1/2014	<0.0005	
10/1/2014	<0.0013	
4/1/2015	<0.0013	
10/15/2015	0.00051 (J)	
4/4/2016	<0.01	
5/31/2016	<0.01	
8/4/2016	<0.01	
9/29/2016	<0.01	
11/28/2016	<0.01	
2/9/2017	<0.01	
4/12/2017	<0.01	
6/16/2017	<0.01	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	<0.01	
3/23/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

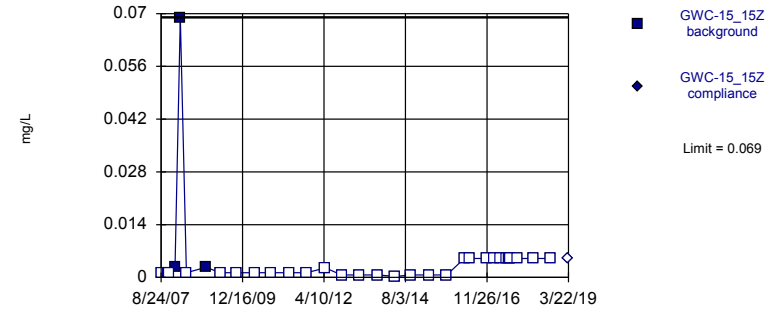


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 8/28/2019 9:04 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

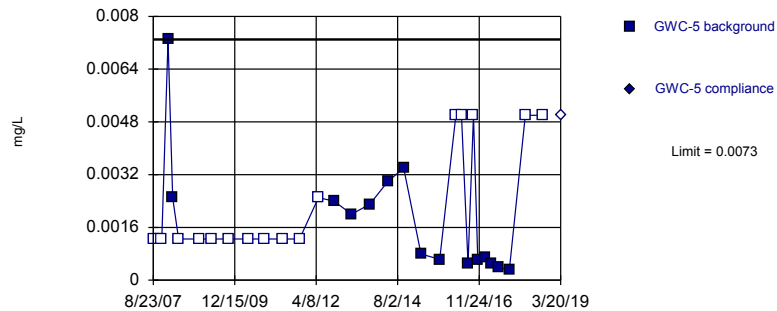


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

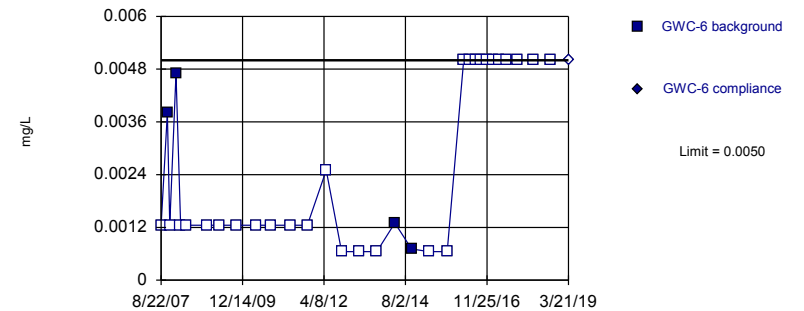


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	<0.0025	
11/2/2007	<0.0025	
11/17/2007	0.0039	
1/15/2008	<0.0025	
3/5/2008	0.005	
5/7/2008	<0.0025	
12/2/2008	0.011	
4/16/2009	0.005	
10/20/2009	0.0074	
4/20/2010	<0.0025	
9/29/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/4/2012	<0.005	
10/10/2012	<0.0013	
4/15/2013	<0.0013	
10/22/2013	<0.0013	
4/21/2014	<0.0005	
9/30/2014	<0.0013	
4/3/2015	<0.0013	
10/7/2015	<0.0013	
4/5/2016	<0.01	
6/1/2016	<0.01	
8/9/2016	0.0003 (J)	
11/28/2016	<0.01	
2/9/2017	<0.01	
4/11/2017	<0.01	
6/14/2017	<0.01	
7/12/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	0.00058 (J)	
3/22/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.0025	
11/2/2007	<0.0025	
11/18/2007	<0.0025	
1/15/2008	0.0029	
3/10/2008	0.069	
5/13/2008	<0.0025	
12/2/2008	0.0027	
4/28/2009	<0.0025	
10/20/2009	<0.0025	
4/27/2010	<0.0025	
10/5/2010	<0.0025	
4/19/2011	<0.0025	
10/12/2011	<0.0025	
4/25/2012	<0.005	
10/10/2012	<0.0013	
4/16/2013	<0.0013	
10/22/2013	<0.0013	
4/21/2014	<0.0005	
9/30/2014	<0.0013	
4/3/2015	<0.0013	
10/6/2015	<0.0013	
4/5/2016	<0.01	
5/31/2016	<0.01	
11/23/2016	<0.01	
2/10/2017	<0.01	
4/11/2017	<0.01	
6/15/2017	<0.01	
7/12/2017	<0.01	
7/26/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.0025	
10/25/2007	<0.0025	
11/19/2007	<0.0025	
1/23/2008	0.0073	
3/11/2008	0.0025	
5/12/2008	<0.0025	
12/11/2008	<0.0025	
4/15/2009	<0.0025	
10/9/2009	<0.0025	
5/4/2010	<0.0025	
10/12/2010	<0.0025	
4/28/2011	<0.0025	
10/19/2011	<0.0025	
5/2/2012	<0.005	
10/9/2012	0.0024	
4/11/2013	0.002	
10/16/2013	0.0023	
4/23/2014	0.003	
10/3/2014	0.0034	
3/31/2015	0.00079 (J)	
10/12/2015	0.00063 (J)	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	0.0005 (J)	
9/27/2016	<0.01	
11/11/2016	0.0006 (J)	
1/31/2017	0.0007 (J)	
4/3/2017	0.0005 (J)	
6/12/2017	0.0004 (J)	
10/3/2017	0.0003 (J)	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01

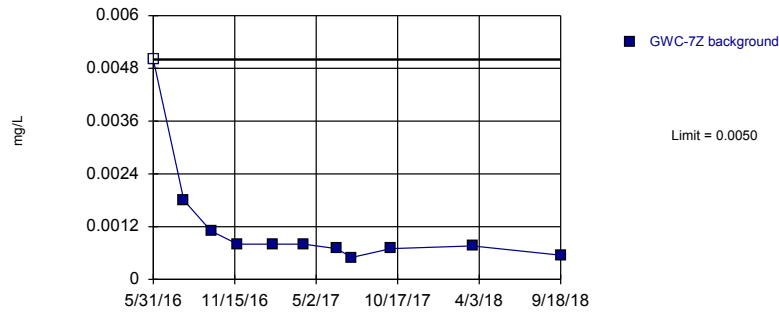
# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.0025	
10/25/2007	0.0038	
11/20/2007	<0.0025	
1/23/2008	0.0047	
3/11/2008	<0.0025	
5/14/2008	<0.0025	
12/11/2008	<0.0025	
4/23/2009	<0.0025	
10/9/2009	<0.0025	
5/4/2010	<0.0025	
10/11/2010	<0.0025	
4/26/2011	<0.0025	
10/18/2011	<0.0025	
5/2/2012	<0.005	
10/8/2012	<0.0013	
4/10/2013	<0.0013	
10/8/2013	<0.0013	
4/14/2014	0.0013 (J)	
10/3/2014	0.00071 (J)	
4/1/2015	<0.0013	
10/9/2015	<0.0013	
3/29/2016	<0.01	
5/24/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/18/2016	<0.01	
2/1/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01

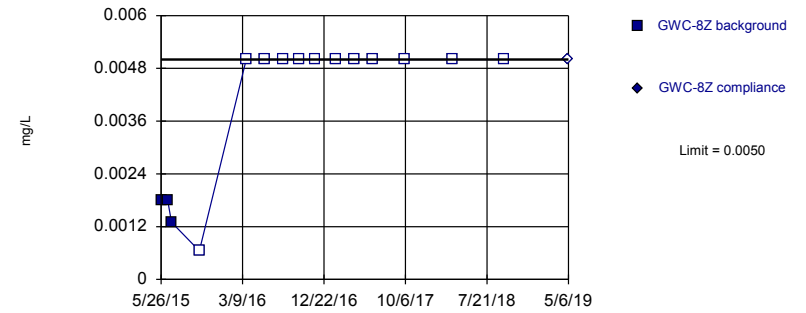
Prediction Limit  
Intrawell Non-parametric, GWC-7Z



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 9.091% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Cobalt Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

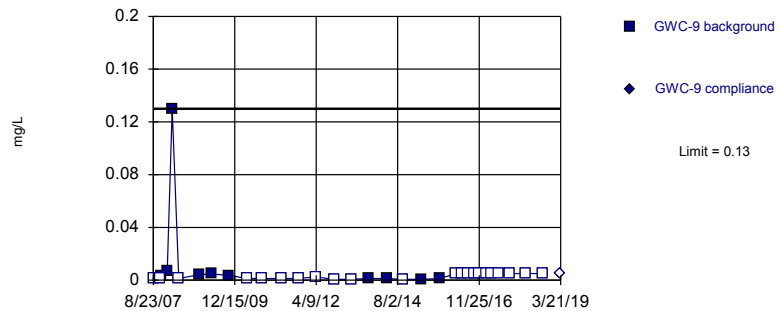
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Cobalt Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

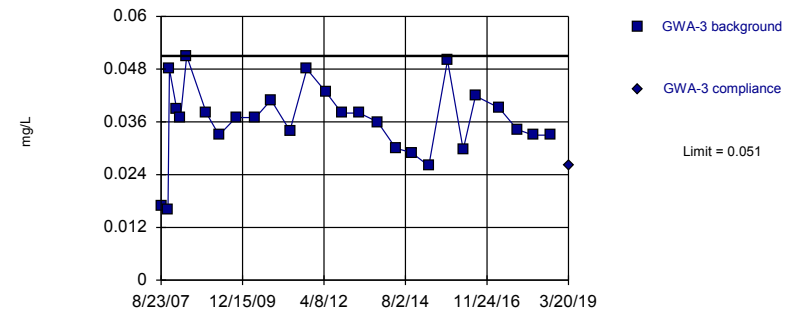
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit  
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.03618, Std. Dev.=0.008473, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9476, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z
5/31/2016	<0.01
8/2/2016	0.0018 (J)
9/27/2016	0.0011 (J)
11/21/2016	0.0008 (J)
2/1/2017	0.0008 (J)
4/6/2017	0.0008 (J)
6/13/2017	0.0007 (J)
7/14/2017	0.0005 (J)
10/3/2017	0.0007 (J)
3/20/2018	0.00076 (J)
9/18/2018	0.00055 (J)
3/21/2019	0.00059 (X)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	0.0018	
6/18/2015	0.0018 (D)	
7/2/2015	0.0013	
10/8/2015	<0.0013	
3/22/2016	<0.01	
5/25/2016	<0.01	
8/2/2016	<0.01	
9/26/2016	<0.01	
11/21/2016	<0.01	
2/3/2017	<0.01	
4/7/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

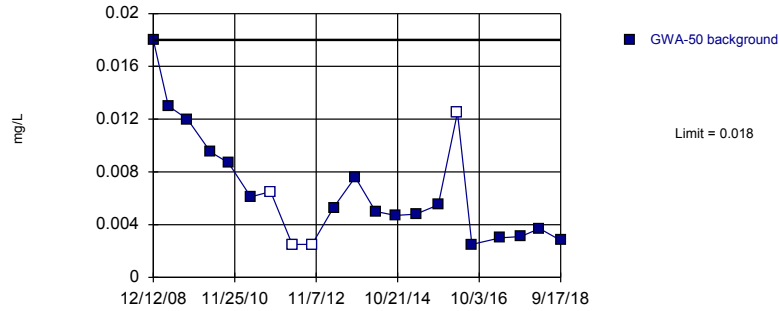
	GWC-9	GWC-9
8/23/2007	<0.0025	
11/1/2007	<0.0025	
11/19/2007	0.0034	
1/15/2008	0.0067	
3/6/2008	0.13	
5/13/2008	<0.0025	
12/12/2008	0.0042	
4/16/2009	0.0047	
10/13/2009	0.0037	
4/21/2010	<0.0025	
9/29/2010	<0.0025	
4/13/2011	<0.0025	
10/5/2011	<0.0025	
4/4/2012	<0.005	
10/8/2012	<0.0013	
4/8/2013	<0.0013	
10/9/2013	0.0013	
4/9/2014	0.0013 (J)	
9/30/2014	<0.0013	
4/2/2015	0.00064 (J)	
10/10/2015	0.001175 (D)	
3/30/2016	<0.01	
5/26/2016	<0.01	
8/5/2016	<0.01	
9/28/2016	<0.01	
11/21/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		<0.01

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.017	
11/2/2007	0.016	
11/18/2007	0.048	
1/31/2008	0.039	
3/11/2008	0.037	
5/14/2008	0.051	
12/5/2008	0.038	
4/15/2009	0.033	
10/8/2009	0.037	
4/28/2010	0.037	
10/6/2010	0.041	
4/21/2011	0.034	
10/13/2011	0.048	
5/1/2012	0.0427	
10/9/2012	0.038	
4/11/2013	0.038	
10/16/2013	0.036	
4/23/2014	0.03	
10/4/2014	0.029	
3/31/2015	0.026	
10/12/2015	0.05	
3/23/2016	0.0297	
7/29/2016	0.0419	
3/30/2017	0.0392	
10/4/2017	0.0343	
3/19/2018	0.033	
9/17/2018	0.033	
3/20/2019		0.026

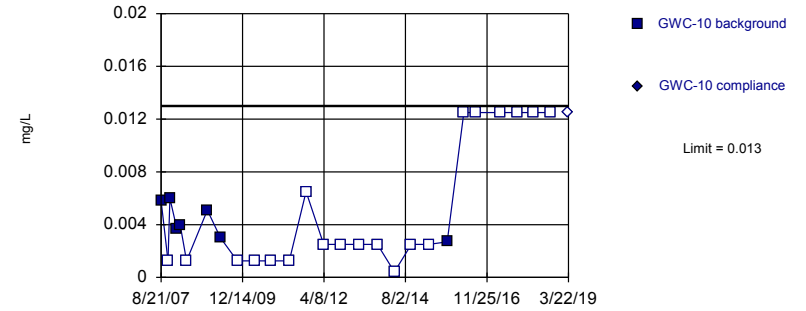
Prediction Limit  
Intrawell Parametric, GWA-50 (bg)



Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=0.06397, Std. Dev.=0.03831, n=21, 19.05% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9198, critical = 0.873. Kappa = 1.82 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Copper Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

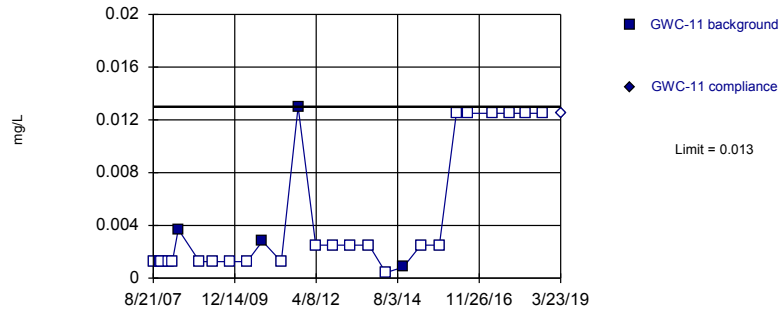
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

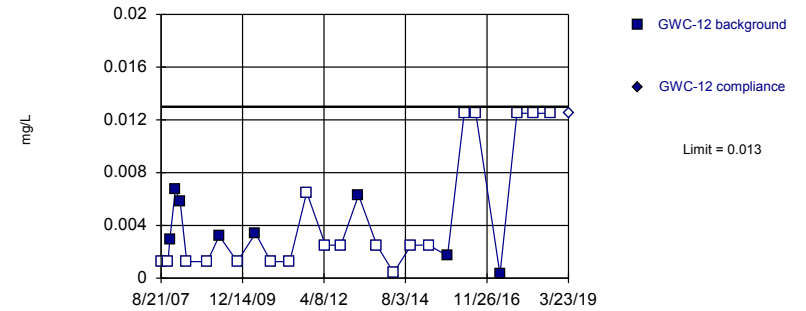
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50
12/12/2008	0.018
4/23/2009	0.013
10/6/2009	0.012
4/27/2010	0.0095
9/30/2010	0.0087
4/14/2011	0.0061
10/5/2011	<0.013
4/11/2012	<0.005
10/2/2012	<0.005
4/9/2013	0.0053
10/15/2013	0.0076
4/10/2014	0.005
10/1/2014	0.0047 (J)
3/30/2015	0.0048 (J)
10/11/2015	0.0055
3/28/2016	<0.025
8/1/2016	0.0025 (J)
4/7/2017	0.003 (J)
10/2/2017	0.0031 (J)
3/16/2018	0.0037 (J)
9/17/2018	0.0028 (J)
3/19/2019	0.0023 (X)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	0.0058	
11/1/2007	<0.0025	
11/20/2007	0.006	
1/30/2008	0.0037	
3/6/2008	0.004	
5/12/2008	<0.0025	
12/13/2008	0.0051	
4/29/2009	0.003	
10/20/2009	<0.0025	
4/26/2010	<0.0025	
9/29/2010	<0.0025	
4/13/2011	<0.0025	
10/5/2011	<0.013	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.000825	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.0027 (J)	
3/31/2016	<0.025	
8/5/2016	<0.025	
4/10/2017	<0.025	
10/4/2017	<0.025	
3/20/2018	<0.025	
9/18/2018	<0.025	
3/22/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/18/2007	<0.0025	
1/30/2008	<0.0025	
3/5/2008	<0.0025	
5/7/2008	0.0037	
12/14/2008	<0.0025	
4/29/2009	<0.0025	
10/22/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	0.0028	
4/12/2011	<0.0025	
10/4/2011	0.013	
4/3/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.000825	
10/2/2014	0.00084 (J)	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.025	
8/3/2016	<0.025	
4/10/2017	<0.025	
10/4/2017	<0.025	
3/21/2018	<0.025	
9/18/2018	<0.025	
3/23/2019		<0.025



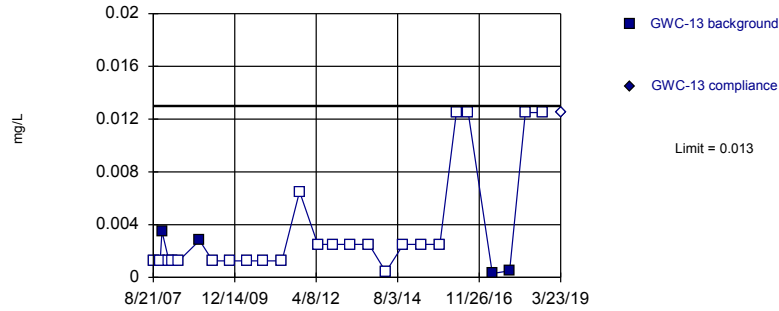
# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/19/2007	0.0029	
1/16/2008	0.0067	
3/5/2008	0.0058	
5/13/2008	<0.0025	
12/13/2008	<0.0025	
4/16/2009	0.0032	
10/21/2009	<0.0025	
4/27/2010	0.0034	
10/5/2010	<0.0025	
4/19/2011	<0.0025	
10/12/2011	<0.013	
4/24/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	0.0063	
10/9/2013	<0.005	
4/1/2014	<0.000825	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/14/2015	0.0017 (J)	
4/4/2016	<0.025	
8/3/2016	<0.025	
4/11/2017	0.0003 (J)	
10/4/2017	<0.025	
3/22/2018	<0.025	
9/18/2018	<0.025	
3/23/2019		<0.025

Within Limit

Prediction Limit  
Intrawell Non-parametric

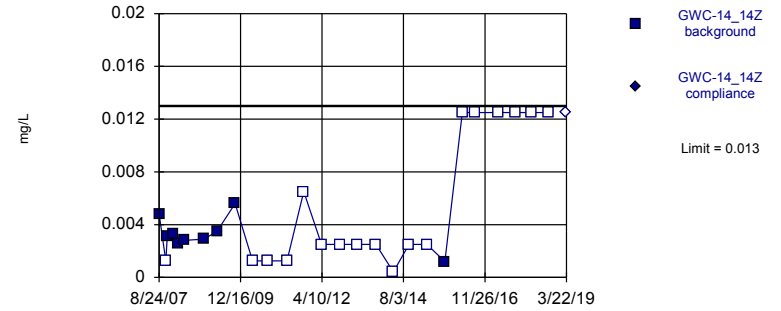


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

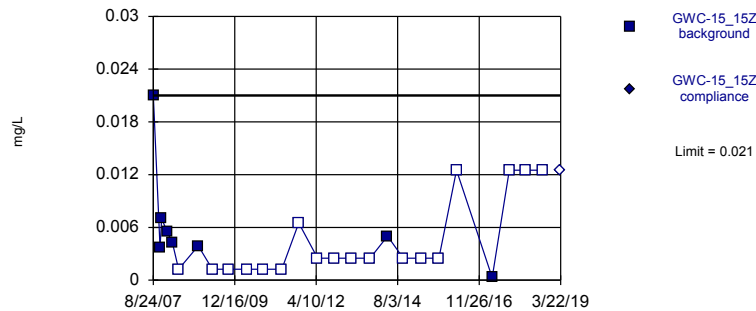


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

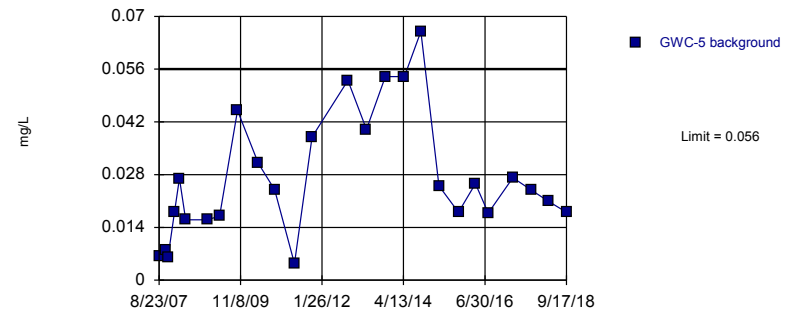
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Copper Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Parametric, GWC-5



Background Data Summary: Mean=0.02693, Std. Dev.=0.01643, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9164, critical = 0.891. Kappa = 1.748 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Copper Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/19/2007	0.0035	
1/31/2008	<0.0025	
3/5/2008	<0.0025	
5/12/2008	<0.0025	
12/13/2008	0.0028	
4/28/2009	<0.0025	
10/21/2009	<0.0025	
4/28/2010	<0.0025	
10/5/2010	<0.0025	
4/19/2011	<0.0025	
10/18/2011	<0.013	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.000825	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	<0.025	
8/4/2016	<0.025	
4/12/2017	0.0003 (J)	
10/9/2017	0.0005 (J)	
3/21/2018	<0.025	
9/19/2018	<0.025	
3/23/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	0.0048 (J)	
11/2/2007	<0.0025	
11/17/2007	0.0031	
1/15/2008	0.0033	
3/5/2008	0.0026	
5/7/2008	0.0028	
12/2/2008	0.0029	
4/16/2009	0.0035	
10/20/2009	0.0056	
4/20/2010	<0.0025	
9/29/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.013	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.000825	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	0.0012 (J)	
4/5/2016	<0.025	
8/9/2016	<0.025	
4/11/2017	<0.025	
10/5/2017	<0.025	
3/22/2018	<0.025	
9/19/2018	<0.025	
3/22/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

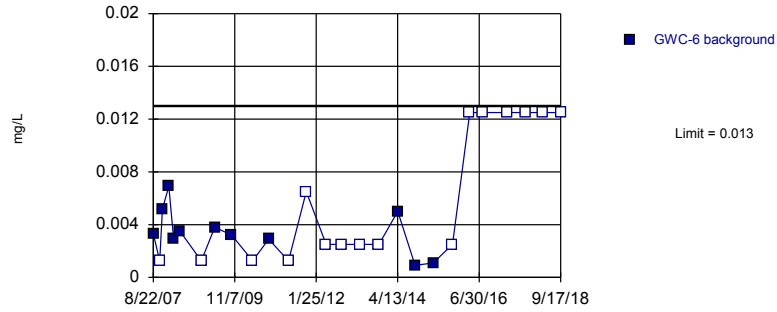
	GWC-15_15Z	GWC-15_15Z
8/24/2007	0.021	
11/2/2007	0.0037	
11/18/2007	0.007 (J)	
1/15/2008	0.0055	
3/10/2008	0.0042	
5/13/2008	<0.0025	
12/2/2008	0.0039	
4/28/2009	<0.0025	
10/20/2009	<0.0025	
4/27/2010	<0.0025	
10/5/2010	<0.0025	
4/19/2011	<0.0025	
10/12/2011	<0.013	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.025	
4/11/2017	0.0003 (J)	
10/6/2017	<0.025	
3/23/2018	<0.025	
9/19/2018	<0.025	
3/22/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5
8/23/2007	0.0064
10/25/2007	0.0081
11/19/2007	0.0059
1/23/2008	0.018
3/11/2008	0.027
5/12/2008	0.016
12/11/2008	0.016
4/15/2009	0.017
10/9/2009	0.045
5/4/2010	0.031
10/12/2010	0.024
4/28/2011	0.0044
10/19/2011	0.038
5/2/2012	0.0865 (O)
10/9/2012	0.053
4/11/2013	0.04
10/16/2013	0.054
4/23/2014	0.054
10/3/2014	0.066
3/31/2015	0.025
10/12/2015	0.018
3/28/2016	0.0256
8/1/2016	0.0178 (J)
4/3/2017	0.0272
10/3/2017	0.0239 (J)
3/19/2018	0.021 (J)
9/17/2018	0.018 (J)
3/20/2019	0.023 (X)

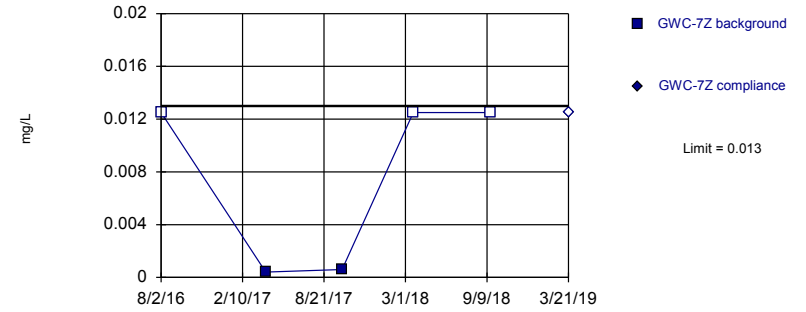
Prediction Limit  
Intrawell Non-parametric, GWC-6



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 59.26% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3). Assumes 1 future value.

Constituent: Copper Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

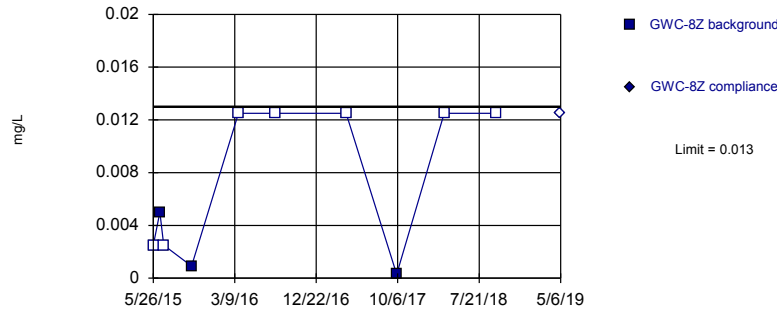
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 60% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Copper Analysis Run 8/28/2019 9:05 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

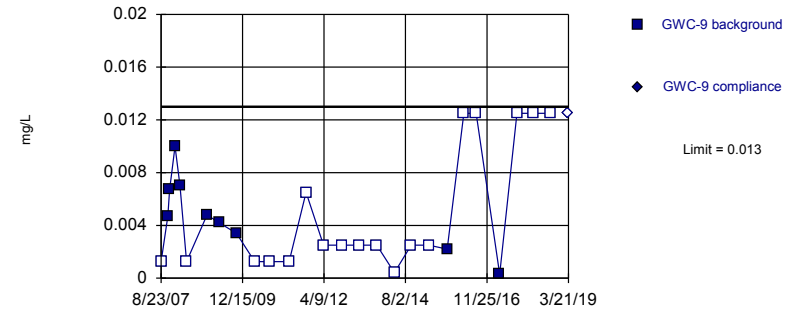
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6
8/22/2007	0.0033
10/25/2007	<0.0025
11/20/2007	0.0052
1/23/2008	0.0069
3/11/2008	0.0029
5/14/2008	0.0035
12/11/2008	<0.0025
4/23/2009	0.0038
10/9/2009	0.0032
5/4/2010	<0.0025
10/11/2010	0.0029
4/26/2011	<0.0025
10/18/2011	<0.013
5/2/2012	<0.005
10/8/2012	<0.005
4/10/2013	<0.005
10/8/2013	<0.005
4/14/2014	0.005 (J)
10/3/2014	0.00091 (J)
4/1/2015	0.0011 (J)
10/9/2015	<0.005
3/29/2016	<0.025
8/1/2016	<0.025
4/6/2017	<0.025
10/3/2017	<0.025
3/19/2018	<0.025
9/17/2018	<0.025
3/21/2019	0.0018 (X)



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
8/2/2016	<0.025	
4/6/2017	0.0004 (J)	
10/3/2017	0.0006 (J)	
3/20/2018	<0.025	
9/18/2018	<0.025	
3/21/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	0.005 (D)	
7/2/2015	<0.005	
10/8/2015	0.00091 (J)	
3/22/2016	<0.025	
8/2/2016	<0.025	
4/7/2017	<0.025	
10/3/2017	0.0003 (J)	
3/20/2018	<0.025	
9/18/2018	<0.025	
5/6/2019		<0.025

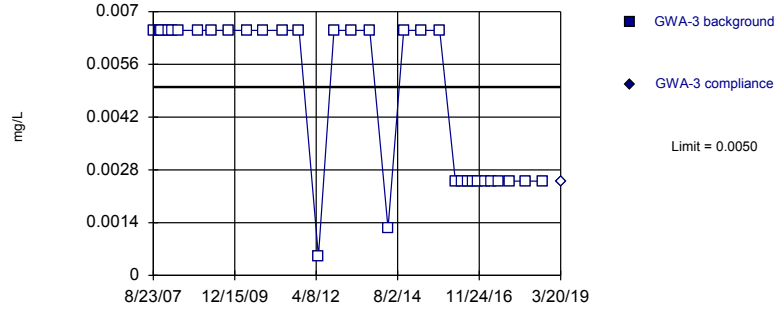
# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.0025	
11/1/2007	0.0047	
11/19/2007	0.0067 (J)	
1/15/2008	0.01	
3/6/2008	0.007	
5/13/2008	<0.0025	
12/12/2008	0.0048	
4/16/2009	0.0042	
10/13/2009	0.0034	
4/21/2010	<0.0025	
9/29/2010	<0.0025	
4/13/2011	<0.0025	
10/5/2011	<0.013	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.000825	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.0022 (D)	
3/30/2016	<0.025	
8/5/2016	<0.025	
4/6/2017	0.0003 (J)	
10/3/2017	<0.025	
3/20/2018	<0.025	
9/18/2018	<0.025 (D)	
3/21/2019		<0.025

Within Limit

Prediction Limit  
Intrawell Non-parametric

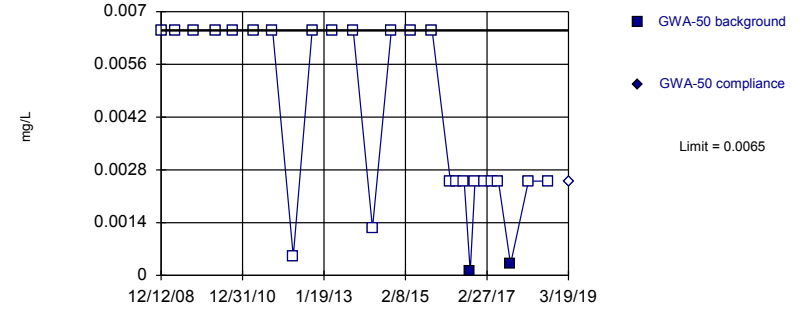


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

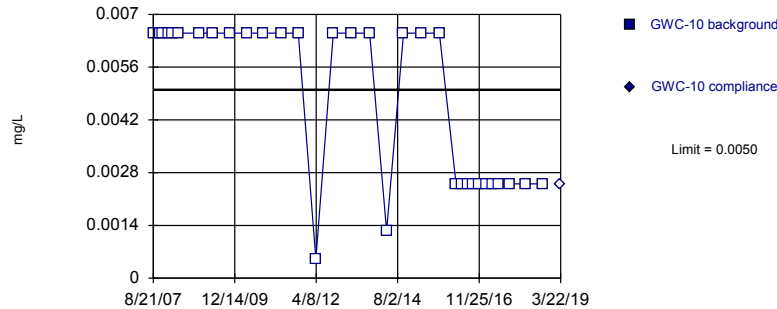


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Lead Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

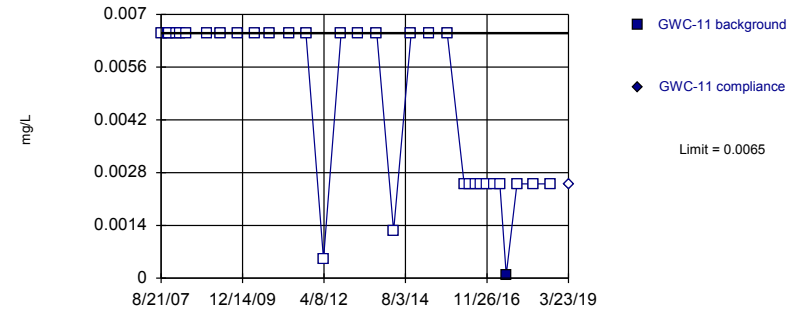


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.013	
11/2/2007	<0.013	
11/18/2007	<0.013	
1/31/2008	<0.013	
3/11/2008	<0.013	
5/14/2008	<0.013	
12/5/2008	<0.013	
4/15/2009	<0.013	
10/8/2009	<0.013	
4/28/2010	<0.013	
10/6/2010	<0.013	
4/21/2011	<0.013	
10/13/2011	<0.013	
5/1/2012	<0.001	
10/9/2012	<0.013	
4/11/2013	<0.013	
10/16/2013	<0.013	
4/23/2014	<0.0025	
10/4/2014	<0.013	
3/31/2015	<0.013	
10/12/2015	<0.013	
3/23/2016	<0.005	
5/23/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005 (*)	
11/10/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/4/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.013	
4/23/2009	<0.013	
10/6/2009	<0.013	
4/27/2010	<0.013	
9/30/2010	<0.013	
4/14/2011	<0.013	
10/5/2011	<0.013	
4/11/2012	<0.001	
10/2/2012	<0.013	
4/9/2013	<0.013	
10/15/2013	<0.013	
4/10/2014	<0.0025	
10/1/2014	<0.013	
3/30/2015	<0.013	
10/11/2015	<0.013	
3/28/2016	<0.005	
5/23/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	0.0001 (J)	
11/10/2016	<0.005	
1/30/2017	<0.005	
4/7/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	0.0003 (J)	
3/16/2018	<0.005	
9/17/2018	<0.005	
3/19/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.013	
11/1/2007	<0.013	
11/20/2007	<0.013	
1/30/2008	<0.013	
3/6/2008	<0.013	
5/12/2008	<0.013	
12/13/2008	<0.013	
4/29/2009	<0.013	
10/20/2009	<0.013	
4/26/2010	<0.013	
9/29/2010	<0.013	
4/13/2011	<0.013	
10/5/2011	<0.013	
4/4/2012	<0.001	
10/3/2012	<0.013	
4/3/2013	<0.013	
10/15/2013	<0.013	
4/9/2014	<0.0025	
10/2/2014	<0.013	
4/2/2015	<0.013	
10/10/2015	<0.013	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/22/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

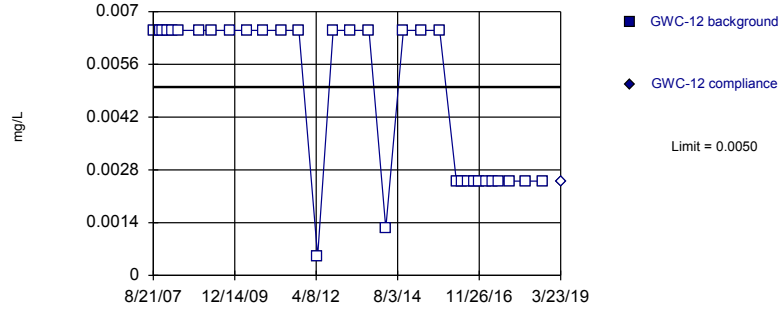
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.013	
11/1/2007	<0.013	
11/18/2007	<0.013	
1/30/2008	<0.013	
3/5/2008	<0.013	
5/7/2008	<0.013	
12/14/2008	<0.013	
4/29/2009	<0.013	
10/22/2009	<0.013	
4/21/2010	<0.013	
9/28/2010	<0.013	
4/12/2011	<0.013	
10/4/2011	<0.013	
4/3/2012	<0.001	
10/3/2012	<0.013	
4/3/2013	<0.013	
10/9/2013	<0.013	
4/2/2014	<0.0025	
10/2/2014	<0.013	
4/1/2015	<0.013	
10/11/2015	<0.013	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	9E-05 (J)	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/23/2019		<0.005



Within Limit

Prediction Limit  
Intrawell Non-parametric

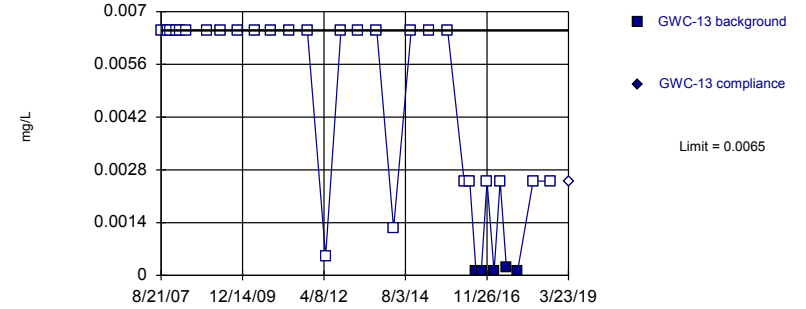


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

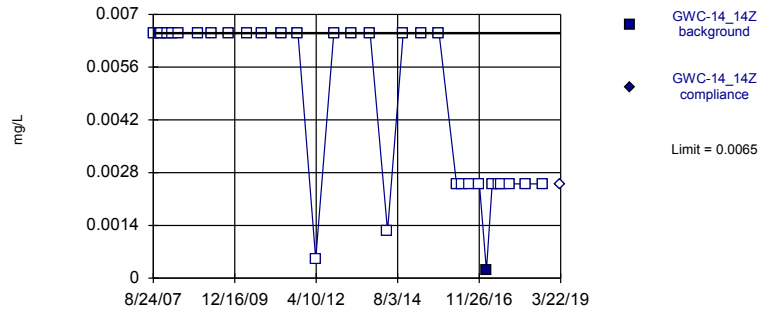


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

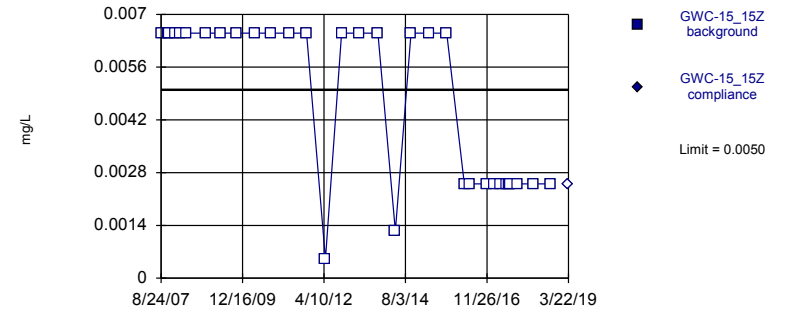


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.013	
11/1/2007	<0.013	
11/19/2007	<0.013	
1/16/2008	<0.013	
3/5/2008	<0.013	
5/13/2008	<0.013	
12/13/2008	<0.013	
4/16/2009	<0.013	
10/21/2009	<0.013	
4/27/2010	<0.013	
10/5/2010	<0.013	
4/19/2011	<0.013	
10/12/2011	<0.013	
4/24/2012	<0.001	
10/2/2012	<0.013	
4/2/2013	<0.013	
10/9/2013	<0.013	
4/1/2014	<0.0025	
10/2/2014	<0.013	
4/1/2015	<0.013	
10/14/2015	<0.013	
4/4/2016	<0.005	
5/27/2016	<0.005	
8/3/2016	<0.005	
9/30/2016	<0.005	
11/22/2016	<0.005	
2/13/2017	<0.005	
4/11/2017	<0.005 (*)	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.013	
11/1/2007	<0.013	
11/19/2007	<0.013	
1/31/2008	<0.013	
3/5/2008	<0.013	
5/12/2008	<0.013	
12/13/2008	<0.013	
4/28/2009	<0.013	
10/21/2009	<0.013	
4/28/2010	<0.013	
10/5/2010	<0.013	
4/19/2011	<0.013	
10/18/2011	<0.013	
4/25/2012	<0.001	
10/2/2012	<0.013	
4/2/2013	<0.013	
10/8/2013	<0.013	
4/1/2014	<0.0025	
10/1/2014	<0.013	
4/1/2015	<0.013	
10/15/2015	<0.013	
4/4/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	0.0001 (J)	
9/29/2016	0.0001 (J)	
11/28/2016	<0.005	
2/9/2017	0.0001 (J)	
4/12/2017	<0.005 (*)	
6/16/2017	0.0002 (J)	
10/9/2017	0.0001 (J)	
3/21/2018	<0.005	
9/19/2018	<0.005	
3/23/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	<0.013	
11/2/2007	<0.013	
11/17/2007	<0.013	
1/15/2008	<0.013	
3/5/2008	<0.013	
5/7/2008	<0.013	
12/2/2008	<0.013	
4/16/2009	<0.013	
10/20/2009	<0.013	
4/20/2010	<0.013	
9/29/2010	<0.013	
4/12/2011	<0.013	
10/4/2011	<0.013	
4/4/2012	<0.001	
10/10/2012	<0.013	
4/15/2013	<0.013	
10/22/2013	<0.013	
4/21/2014	<0.0025	
9/30/2014	<0.013	
4/3/2015	<0.013	
10/7/2015	<0.013	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	0.0002 (J)	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	<0.005	
3/22/2019		<0.005

# Prediction Limit

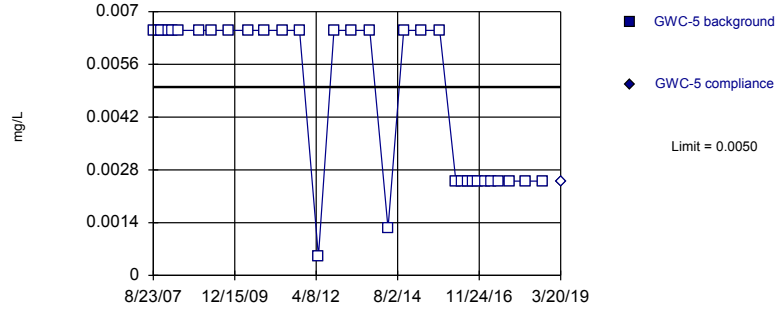
Constituent: Lead (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.013	
11/2/2007	<0.013	
11/18/2007	<0.013	
1/15/2008	<0.013	
3/10/2008	<0.013	
5/13/2008	<0.013	
12/2/2008	<0.013	
4/28/2009	<0.013	
10/20/2009	<0.013	
4/27/2010	<0.013	
10/5/2010	<0.013	
4/19/2011	<0.013	
10/12/2011	<0.013	
4/25/2012	<0.001	
10/10/2012	<0.013	
4/16/2013	<0.013	
10/22/2013	<0.013	
4/21/2014	<0.0025	
9/30/2014	<0.013	
4/3/2015	<0.013	
10/6/2015	<0.013	
4/5/2016	<0.005	
5/31/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	<0.005 (*)	
6/15/2017	<0.005	
7/12/2017	<0.005	
7/26/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

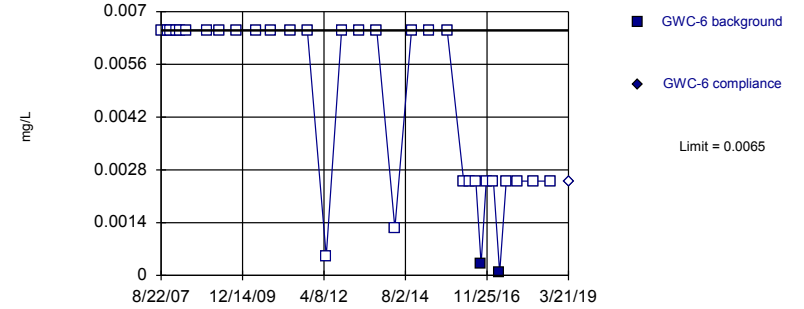


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

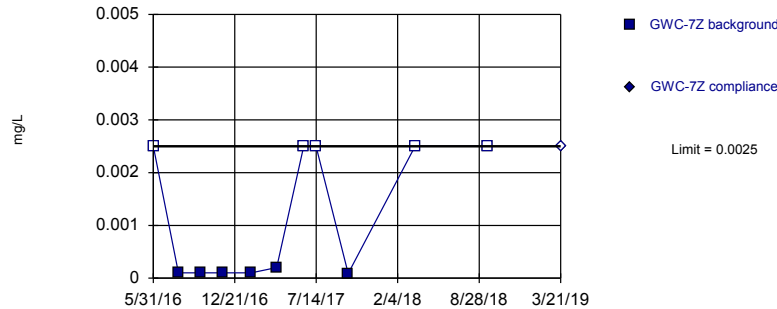


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

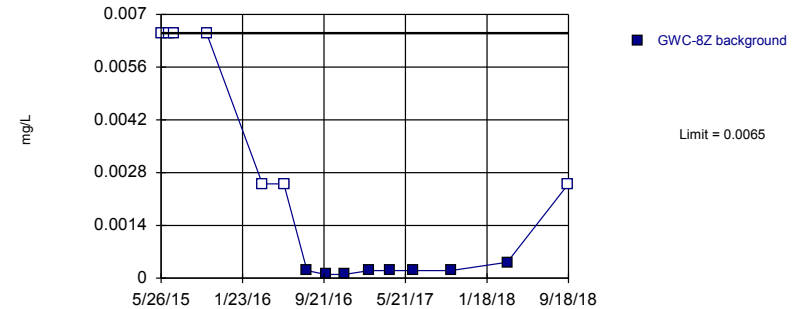


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 45.45% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-8Z



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3). Assumes 1 future value.

Constituent: Lead Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.013	
10/25/2007	<0.013	
11/19/2007	<0.013	
1/23/2008	<0.013	
3/11/2008	<0.013	
5/12/2008	<0.013	
12/11/2008	<0.013	
4/15/2009	<0.013	
10/9/2009	<0.013	
5/4/2010	<0.013	
10/12/2010	<0.013	
4/28/2011	<0.013	
10/19/2011	<0.013	
5/2/2012	<0.001	
10/9/2012	<0.013	
4/11/2013	<0.013	
10/16/2013	<0.013	
4/23/2014	<0.0025	
10/3/2014	<0.013	
3/31/2015	<0.013	
10/12/2015	<0.013	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.013	
10/25/2007	<0.013	
11/20/2007	<0.013	
1/23/2008	<0.013	
3/11/2008	<0.013	
5/14/2008	<0.013	
12/11/2008	<0.013	
4/23/2009	<0.013	
10/9/2009	<0.013	
5/4/2010	<0.013	
10/11/2010	<0.013	
4/26/2011	<0.013	
10/18/2011	<0.013	
5/2/2012	<0.001	
10/8/2012	<0.013	
4/10/2013	<0.013	
10/8/2013	<0.013	
4/14/2014	<0.0025	
10/3/2014	<0.013	
4/1/2015	<0.013	
10/9/2015	<0.013	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	0.0003 (J)	
11/18/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	7E-05 (J)	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/21/2019		<0.005



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	0.0001 (J)	
9/27/2016	0.0001 (J)	
11/21/2016	0.0001 (J)	
2/1/2017	0.0001 (J)	
4/6/2017	0.0002 (J)	
6/13/2017	<0.005	
7/14/2017	<0.005	
10/3/2017	9E-05 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/21/2019		<0.005

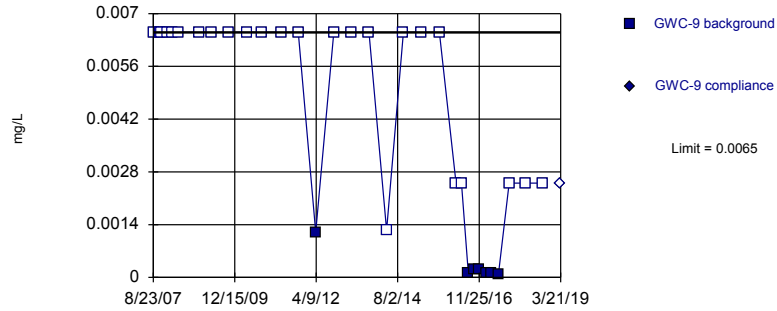
# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z
5/26/2015	<0.013
6/18/2015	<0.013 (D)
7/2/2015	<0.013
10/8/2015	<0.013
3/22/2016	<0.005
5/25/2016	<0.005
8/2/2016	0.0002 (J)
9/26/2016	0.0001 (J)
11/21/2016	0.0001 (J)
2/3/2017	0.0002 (J)
4/7/2017	0.0002 (J)
6/13/2017	0.0002 (J)
10/3/2017	0.0002 (J)
3/20/2018	0.00042 (J)
9/18/2018	<0.005
5/6/2019	0.00032 (X)

Within Limit

Prediction Limit  
Intrawell Non-parametric

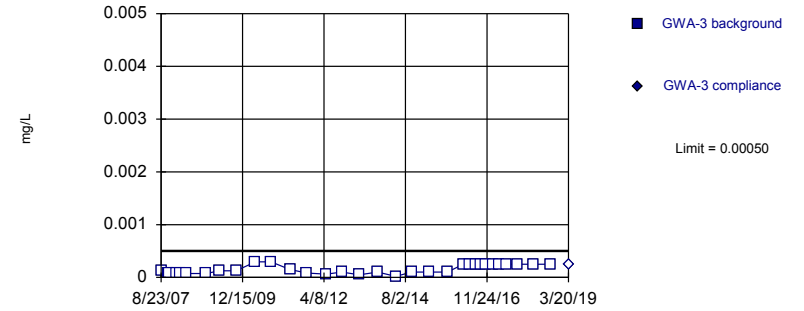


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

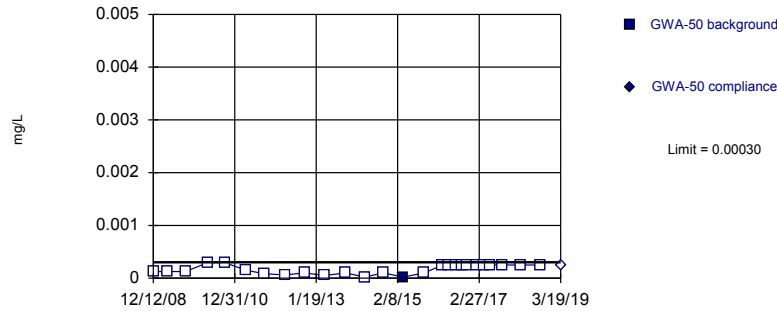


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 8/28/2019 9:06 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

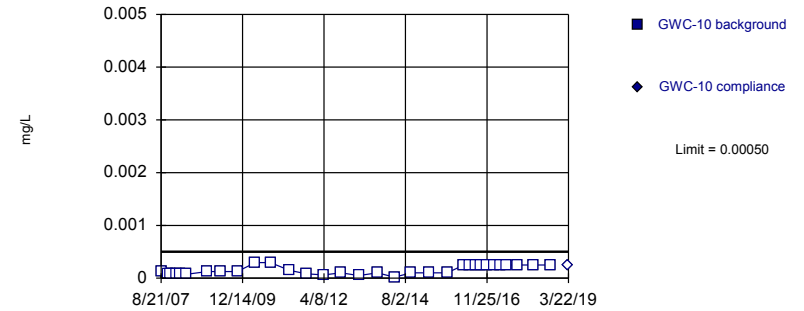


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Mercury Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.013	
11/1/2007	<0.013	
11/19/2007	<0.013	
1/15/2008	<0.013	
3/6/2008	<0.013	
5/13/2008	<0.013	
12/12/2008	<0.013	
4/16/2009	<0.013	
10/13/2009	<0.013	
4/21/2010	<0.013	
9/29/2010	<0.013	
4/13/2011	<0.013	
10/5/2011	<0.013	
4/4/2012	0.0012	
10/8/2012	<0.013	
4/8/2013	<0.013	
10/9/2013	<0.013	
4/9/2014	<0.0025	
9/30/2014	<0.013	
4/2/2015	<0.013	
10/10/2015	<0.013 (D)	
3/30/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	0.0001 (J)	
9/28/2016	0.0002 (J)	
11/21/2016	0.0002 (J)	
2/6/2017	0.0001 (J)	
4/6/2017	0.0001 (J)	
6/13/2017	8E-05 (J)	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019		<0.005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.000254	
11/2/2007	<0.000145	
11/18/2007	<0.000145	
1/31/2008	<0.000145	
3/11/2008	<0.000145	
5/14/2008	<0.000145	
12/5/2008	<0.000145	
4/15/2009	<0.00025	
10/8/2009	<0.00025	
4/28/2010	<0.000591	
10/6/2010	<0.000591	
4/21/2011	<0.000299	
10/13/2011	<0.000168	
5/1/2012	<0.000123	
10/9/2012	<0.0002	
4/11/2013	<0.0001	
10/16/2013	<0.0002	
4/23/2014	<4.02E-05	
10/4/2014	<0.0002	
3/31/2015	<0.0002	
10/12/2015	<0.0002	
3/23/2016	<0.0005	
5/23/2016	<0.0005	
7/29/2016	<0.0005	
9/22/2016	<0.0005	
11/10/2016	<0.0005	
1/31/2017	<0.0005 (*)	
3/30/2017	<0.0005	
6/12/2017	<0.0005	
10/4/2017	<0.0005	
3/19/2018	<0.0005	
9/17/2018	<0.0005	
3/20/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.00025	
4/23/2009	<0.00025	
10/6/2009	<0.00025	
4/27/2010	<0.000591	
9/30/2010	<0.000591	
4/14/2011	<0.000299	
10/5/2011	<0.000168	
4/11/2012	<0.000123	
10/2/2012	<0.0002	
4/9/2013	<0.0001	
10/15/2013	<0.0002	
4/10/2014	<4.02E-05	
10/1/2014	<0.0002	
3/30/2015	2.02E-05 (J)	
10/11/2015	<0.0002	
3/28/2016	<0.0005	
5/23/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	<0.0005	
11/10/2016	<0.0005	
1/30/2017	<0.0005	
4/7/2017	<0.0005 (*)	
6/12/2017	<0.0005 (*)	
10/2/2017	<0.0005	
3/16/2018	<0.0005	
9/17/2018	<0.0005	
3/19/2019		<0.0005

# Prediction Limit

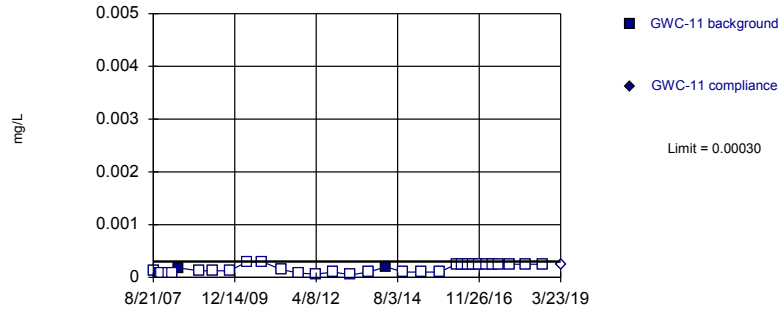
Constituent: Mercury (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.000254	
11/1/2007	<0.000145	
11/20/2007	<0.000145	
1/30/2008	<0.000145	
3/6/2008	<0.000145	
5/12/2008	<0.000145	
12/13/2008	<0.00025	
4/29/2009	<0.00025	
10/20/2009	<0.00025	
4/26/2010	<0.000591	
9/29/2010	<0.000591	
4/13/2011	<0.000299	
10/5/2011	<0.000168	
4/4/2012	<0.000123	
10/3/2012	<0.0002	
4/3/2013	<0.0001	
10/15/2013	<0.0002	
4/9/2014	<4.02E-05	
10/2/2014	<0.0002	
4/2/2015	<0.0002	
10/10/2015	<0.0002	
3/31/2016	<0.0005	
5/26/2016	<0.0005	
8/5/2016	<0.0005	
9/28/2016	<0.0005	
11/22/2016	<0.0005	
2/7/2017	<0.0005	
4/10/2017	<0.0005	
6/14/2017	<0.0005 (*)	
10/4/2017	<0.0005	
3/20/2018	<0.0005	
9/18/2018	<0.0005	
3/22/2019		<0.0005

Within Limit

Prediction Limit  
Intrawell Non-parametric

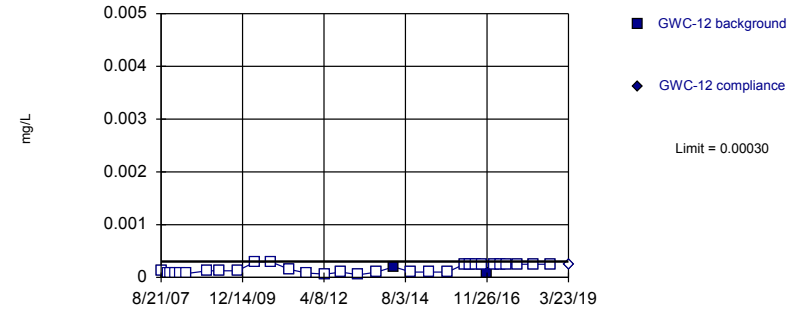


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

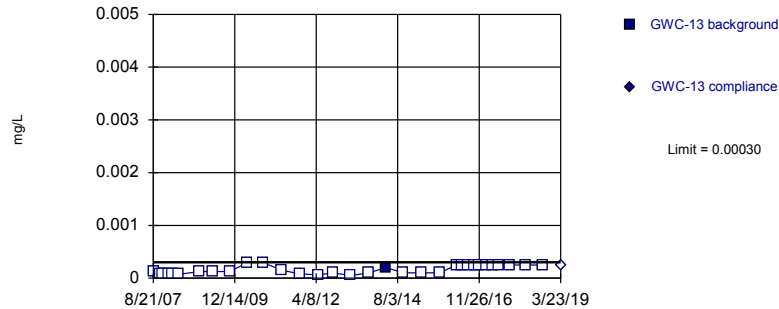


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

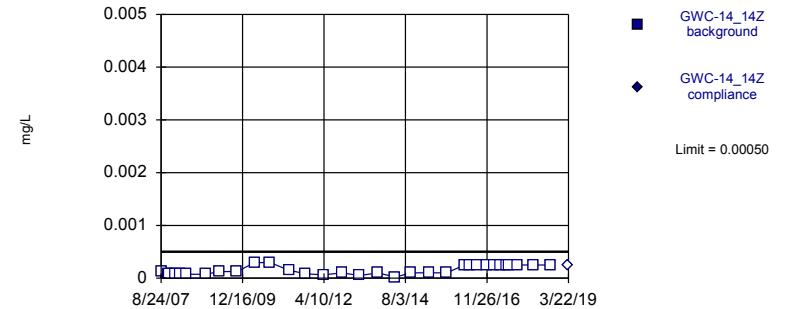


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.000254	
11/1/2007	<0.000145	
11/18/2007	<0.000145	
1/30/2008	<0.000145	
3/5/2008	<0.000145	
5/7/2008	0.000181	
12/14/2008	<0.00025	
4/29/2009	<0.00025	
10/22/2009	<0.00025	
4/21/2010	<0.000591	
9/28/2010	<0.000591	
4/12/2011	<0.000299	
10/4/2011	<0.000168	
4/3/2012	<0.000123	
10/3/2012	<0.0002	
4/3/2013	<0.0001	
10/9/2013	<0.0002	
4/2/2014	0.0002 (J)	
10/2/2014	<0.0002	
4/1/2015	<0.0002	
10/11/2015	<0.0002	
4/4/2016	<0.0005	
5/26/2016	<0.0005	
8/3/2016	<0.0005	
9/28/2016	<0.0005	
11/22/2016	<0.0005	
2/8/2017	<0.0005	
4/10/2017	<0.0005	
6/15/2017	<0.0005 (*)	
10/4/2017	<0.0005	
3/21/2018	<0.0005	
9/18/2018	<0.0005	
3/23/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.000254	
11/1/2007	<0.000145	
11/19/2007	<0.000145	
1/16/2008	<0.000145	
3/5/2008	<0.000145	
5/13/2008	<0.000145	
12/13/2008	<0.00025	
4/16/2009	<0.00025	
10/21/2009	<0.00025	
4/27/2010	<0.000591	
10/5/2010	<0.000591	
4/19/2011	<0.000299	
10/12/2011	<0.000168	
4/24/2012	<0.000123	
10/2/2012	<0.0002	
4/2/2013	<0.0001	
10/9/2013	<0.0002	
4/1/2014	0.0002 (J)	
10/2/2014	<0.0002	
4/1/2015	<0.0002	
10/14/2015	<0.0002	
4/4/2016	<0.0005	
5/27/2016	<0.0005	
8/3/2016	<0.0005	
9/30/2016	<0.0005	
11/22/2016	8E-05 (J)	
2/13/2017	<0.0005	
4/11/2017	<0.0005	
6/14/2017	<0.0005 (*)	
10/4/2017	<0.0005	
3/22/2018	<0.0005	
9/18/2018	<0.0005	
3/23/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.000254	
11/1/2007	<0.000145	
11/19/2007	<0.000145	
1/31/2008	<0.000145	
3/5/2008	<0.000145	
5/12/2008	<0.000145	
12/13/2008	<0.00025	
4/28/2009	<0.00025	
10/21/2009	<0.00025	
4/28/2010	<0.000591	
10/5/2010	<0.000591	
4/19/2011	<0.000299	
10/18/2011	<0.000168	
4/25/2012	<0.000123	
10/2/2012	<0.0002	
4/2/2013	<0.0001	
10/8/2013	<0.0002	
4/1/2014	0.0002 (J)	
10/1/2014	<0.0002	
4/1/2015	<0.0002	
10/15/2015	<0.0002	
4/4/2016	<0.0005	
5/31/2016	<0.0005	
8/4/2016	<0.0005	
9/29/2016	<0.0005	
11/28/2016	<0.0005	
2/9/2017	<0.0005	
4/12/2017	<0.0005	
6/16/2017	<0.0005 (*)	
10/9/2017	<0.0005	
3/21/2018	<0.0005	
9/19/2018	<0.0005	
3/23/2019		<0.0005

# Prediction Limit

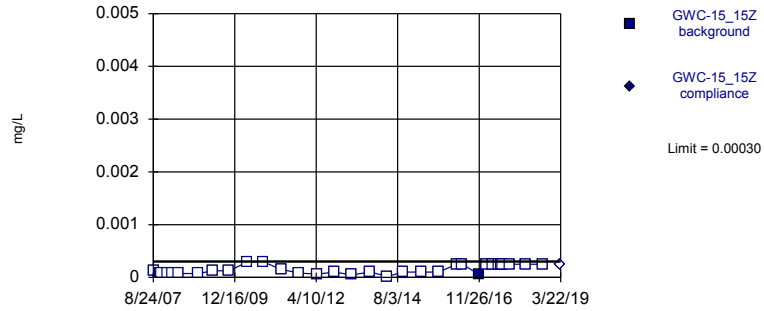
Constituent: Mercury (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	<0.000254	
11/2/2007	<0.000145	
11/17/2007	<0.000145	
1/15/2008	<0.000145	
3/5/2008	<0.000145	
5/7/2008	<0.000145	
12/2/2008	<0.000145	
4/16/2009	<0.00025	
10/20/2009	<0.00025	
4/20/2010	<0.000591	
9/29/2010	<0.000591	
4/12/2011	<0.000299	
10/4/2011	<0.000168	
4/4/2012	<0.000123	
10/10/2012	<0.0002	
4/15/2013	<0.0001	
10/22/2013	<0.0002	
4/21/2014	<4.02E-05	
9/30/2014	<0.0002	
4/3/2015	<0.0002	
10/7/2015	<0.0002	
4/5/2016	<0.0005	
6/1/2016	<0.0005	
8/9/2016	<0.0005	
11/28/2016	<0.0005	
2/9/2017	<0.0005	
4/11/2017	<0.0005	
6/14/2017	<0.0005 (*)	
7/12/2017	<0.0005	
10/5/2017	<0.0005	
3/22/2018	<0.0005	
9/19/2018	<0.0005	
3/22/2019		<0.0005

Within Limit

Prediction Limit  
Intrawell Non-parametric

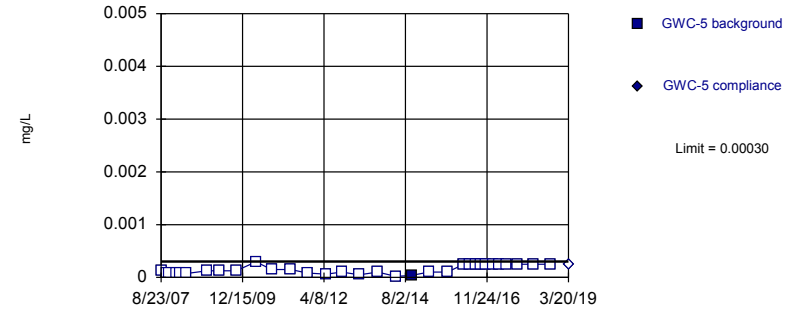


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

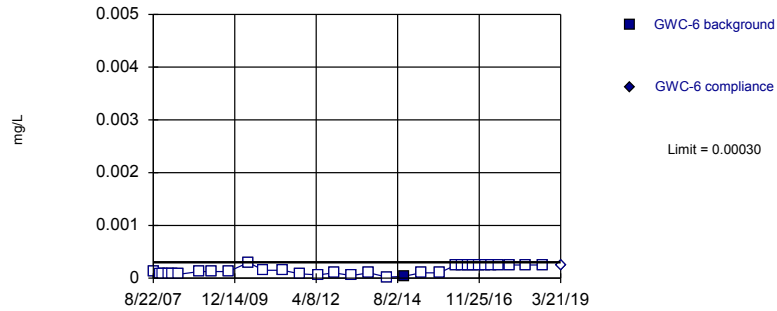


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

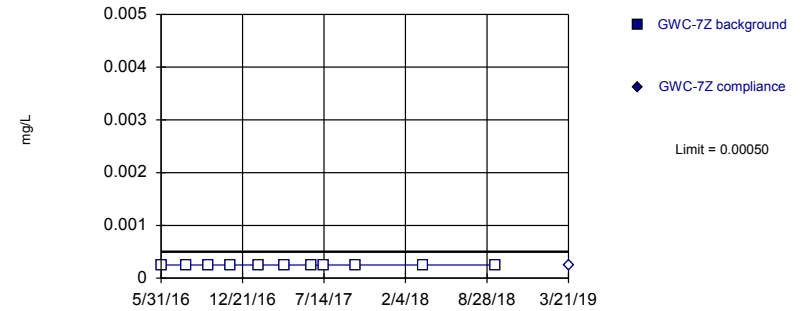


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.000254	
11/2/2007	<0.000145	
11/18/2007	<0.000145	
1/15/2008	<0.000145	
3/10/2008	<0.000145	
5/13/2008	<0.000145	
12/2/2008	<0.000145	
4/28/2009	<0.00025	
10/20/2009	<0.00025	
4/27/2010	<0.000591	
10/5/2010	<0.000591	
4/19/2011	<0.000299	
10/12/2011	<0.000168	
4/25/2012	<0.000123	
10/10/2012	<0.0002	
4/16/2013	<0.0001	
10/22/2013	<0.0002	
4/21/2014	<4.02E-05	
9/30/2014	<0.0002	
4/3/2015	<0.0002	
10/6/2015	<0.0002	
4/5/2016	<0.0005	
5/31/2016	<0.0005	
11/23/2016	6E-05 (J)	
2/10/2017	<0.0005	
4/11/2017	<0.0005	
6/15/2017	<0.0005 (*)	
7/12/2017	<0.0005	
7/26/2017	<0.0005	
10/6/2017	<0.0005	
3/23/2018	<0.0005	
9/19/2018	<0.0005	
3/22/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.000254	
10/25/2007	<0.000145	
11/19/2007	<0.000145	
1/23/2008	<0.000145	
3/11/2008	<0.000145	
5/12/2008	<0.000145	
12/11/2008	<0.00025	
4/15/2009	<0.00025	
10/9/2009	<0.00025	
5/4/2010	<0.000591	
10/12/2010	<0.000299	
4/28/2011	<0.000299	
10/19/2011	<0.000168	
5/2/2012	<0.000123	
10/9/2012	<0.0002	
4/11/2013	<0.0001	
10/16/2013	<0.0002	
4/23/2014	<4.02E-05	
10/3/2014	3.71E-05 (J)	
3/31/2015	<0.0002	
10/12/2015	<0.0002	
3/28/2016	<0.0005	
5/25/2016	<0.0005	
8/1/2016	<0.0005	
9/27/2016	<0.0005	
11/11/2016	<0.0005	
1/31/2017	<0.0005 (*)	
4/3/2017	<0.0005	
6/12/2017	<0.0005	
10/3/2017	<0.0005	
3/19/2018	<0.0005	
9/17/2018	<0.0005	
3/20/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.000254	
10/25/2007	<0.000145	
11/20/2007	<0.000145	
1/23/2008	<0.000145	
3/11/2008	<0.000145	
5/14/2008	<0.000145	
12/11/2008	<0.00025	
4/23/2009	<0.00025	
10/9/2009	<0.00025	
5/4/2010	<0.000591	
10/11/2010	<0.000299	
4/26/2011	<0.000299	
10/18/2011	<0.000168	
5/2/2012	<0.000123	
10/8/2012	<0.0002	
4/10/2013	<0.0001	
10/8/2013	<0.0002	
4/14/2014	<4.02E-05	
10/3/2014	3.29E-05 (J)	
4/1/2015	<0.0002	
10/9/2015	<0.0002	
3/29/2016	<0.0005	
5/24/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	<0.0005	
11/18/2016	<0.0005	
2/1/2017	<0.0005 (*)	
4/6/2017	<0.0005	
6/13/2017	<0.0005 (*)	
10/3/2017	<0.0005	
3/19/2018	<0.0005	
9/17/2018	<0.0005	
3/21/2019		<0.0005



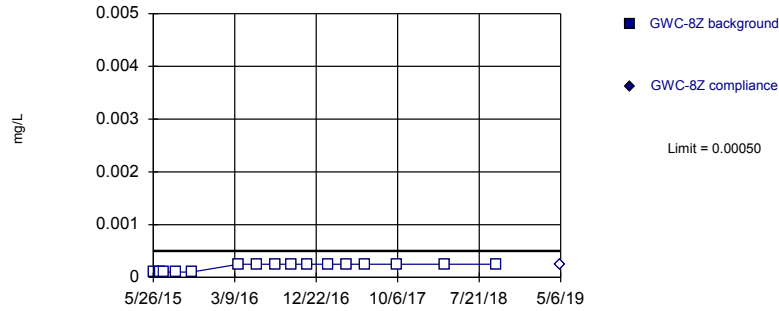
# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.0005	
8/2/2016	<0.0005	
9/27/2016	<0.0005	
11/21/2016	<0.0005	
2/1/2017	<0.0005	
4/6/2017	<0.0005	
6/13/2017	<0.0005 (*)	
7/14/2017	<0.0005	
10/3/2017	<0.0005	
3/20/2018	<0.0005	
9/18/2018	<0.0005	
3/21/2019		<0.0005

Within Limit

Prediction Limit  
Intrawell Non-parametric

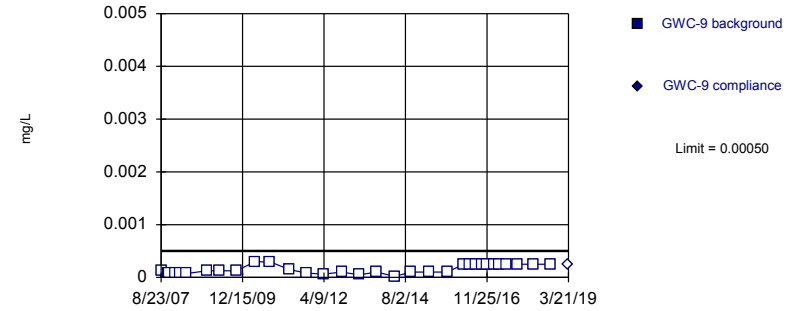


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Mercury Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

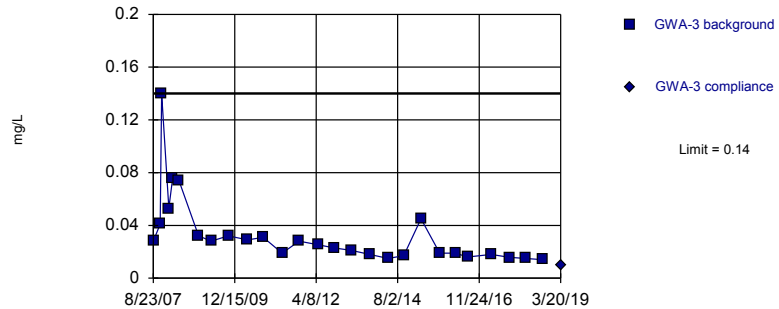


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

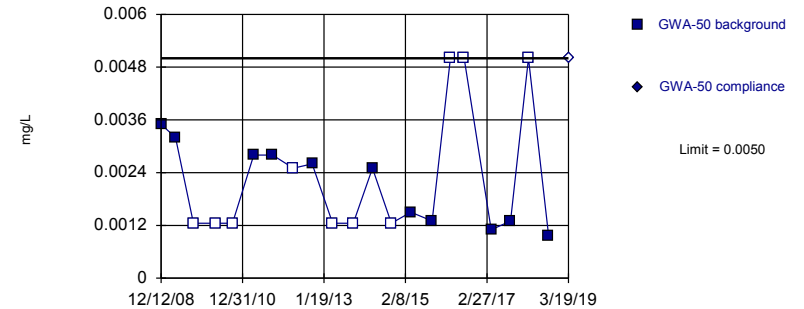


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 47.62% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Constituent: Nickel Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.0002	
6/18/2015	<0.0002 (D)	
7/2/2015	<0.0002	
8/14/2015	<0.0002 (D)	
10/8/2015	<0.0002	
3/22/2016	<0.0005	
5/25/2016	<0.0005	
8/2/2016	<0.0005	
9/26/2016	<0.0005	
11/21/2016	<0.0005	
2/3/2017	<0.0005	
4/7/2017	<0.0005 (*)	
6/13/2017	<0.0005 (*)	
10/3/2017	<0.0005	
3/20/2018	<0.0005	
9/18/2018	<0.0005	
5/6/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.000254	
11/1/2007	<0.000145	
11/19/2007	<0.000145	
1/15/2008	<0.000145	
3/6/2008	<0.000145	
5/13/2008	<0.000145	
12/12/2008	<0.00025	
4/16/2009	<0.00025	
10/13/2009	<0.00025	
4/21/2010	<0.000591	
9/29/2010	<0.000591	
4/13/2011	<0.000299	
10/5/2011	<0.000168	
4/4/2012	<0.000123	
10/8/2012	<0.0002	
4/8/2013	<0.0001	
10/9/2013	<0.0002	
4/9/2014	<4.02E-05	
9/30/2014	<0.0002	
4/2/2015	<0.0002	
10/10/2015	<0.0002 (D)	
3/30/2016	<0.0005	
5/26/2016	<0.0005	
8/5/2016	<0.0005	
9/28/2016	<0.0005	
11/21/2016	<0.0005	
2/6/2017	<0.0005	
4/6/2017	<0.0005	
6/13/2017	<0.0005 (*)	
10/3/2017	<0.0005	
3/20/2018	<0.0005	
9/18/2018	<0.0005 (D)	
3/21/2019		<0.0005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.028	
11/2/2007	0.041	
11/18/2007	0.14	
1/31/2008	0.053	
3/11/2008	0.076	
5/14/2008	0.074	
12/5/2008	0.032	
4/15/2009	0.028	
10/8/2009	0.032	
4/28/2010	0.029	
10/6/2010	0.031	
4/21/2011	0.019	
10/13/2011	0.028	
5/1/2012	0.0253	
10/9/2012	0.023	
4/11/2013	0.021	
10/16/2013	0.018	
4/23/2014	0.015	
10/4/2014	0.017	
3/31/2015	0.045	
10/12/2015	0.019	
3/23/2016	0.019	
7/29/2016	0.0161	
3/30/2017	0.018	
10/4/2017	0.0158	
3/19/2018	0.015	
9/17/2018	0.014	
3/20/2019		0.01

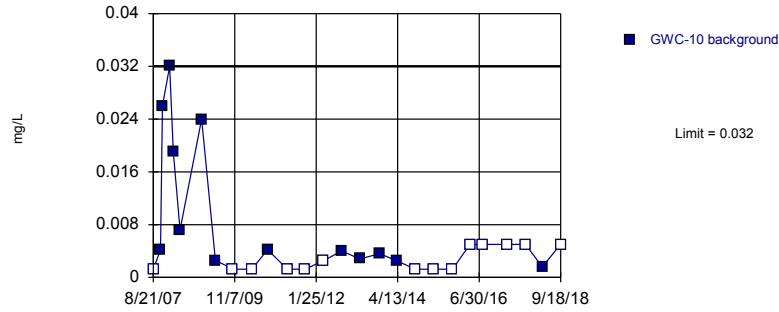
# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	0.0035	
4/23/2009	0.0032	
10/6/2009	<0.0025	
4/27/2010	<0.0025	
9/30/2010	<0.0025	
4/14/2011	0.0028	
10/5/2011	0.0028	
4/11/2012	<0.005	
10/2/2012	0.0026	
4/9/2013	<0.0025	
10/15/2013	<0.0025	
4/10/2014	0.0025 (J)	
10/1/2014	<0.0025	
3/30/2015	0.0015 (J)	
10/11/2015	0.0013 (J)	
3/28/2016	<0.01	
8/1/2016	<0.01 (*)	
4/7/2017	0.0011 (J)	
10/2/2017	0.0013 (J)	
3/16/2018	<0.01	
9/17/2018	0.00096 (J)	
3/19/2019		<0.01

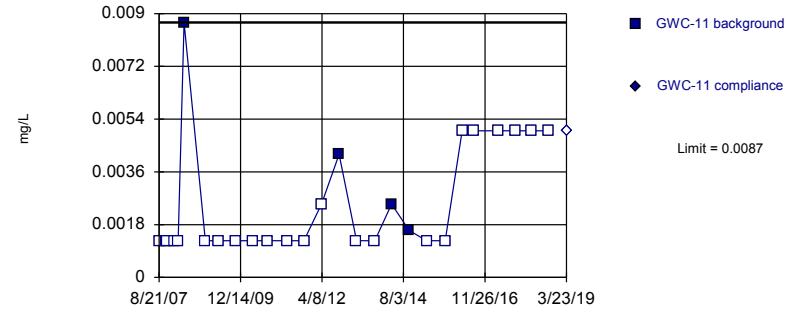
Prediction Limit  
Intrawell Non-parametric, GWC-10



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 51.85% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3). Assumes 1 future value.

Constituent: Nickel Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

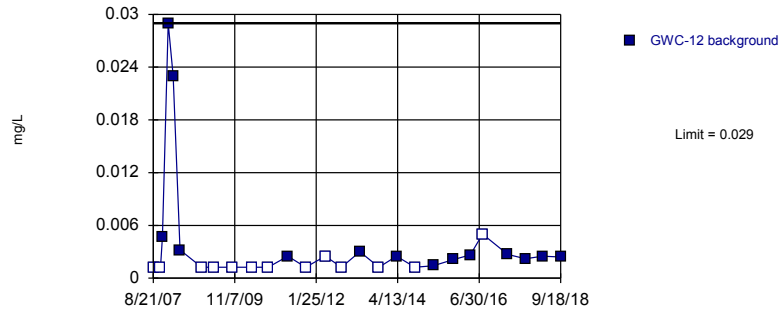
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 8/28/2019 9:07 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

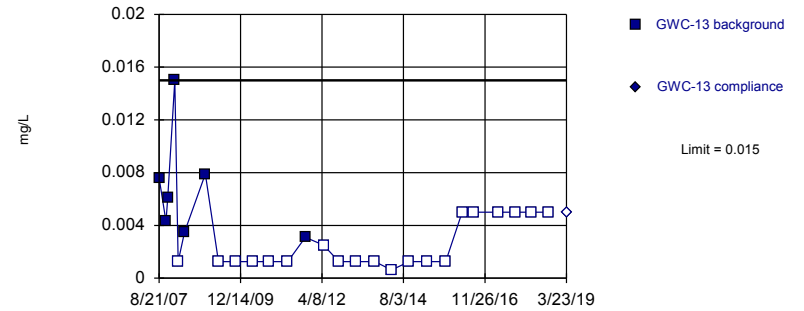
Prediction Limit  
Intrawell Non-parametric, GWC-12



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 48.15% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3). Assumes 1 future value.

Constituent: Nickel Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10
8/21/2007	<0.0025
11/1/2007	0.0042
11/20/2007	0.026
1/30/2008	0.032
3/6/2008	0.019
5/12/2008	0.0072
12/13/2008	0.024
4/29/2009	0.0026
10/20/2009	<0.0025
4/26/2010	<0.0025
9/29/2010	0.0042
4/13/2011	<0.0025
10/5/2011	<0.0025
4/4/2012	<0.005
10/3/2012	0.004
4/3/2013	0.0028
10/15/2013	0.0036
4/9/2014	0.0025 (J)
10/2/2014	<0.0025
4/2/2015	<0.0025
10/10/2015	<0.0025
3/31/2016	<0.01
8/5/2016	<0.01 (*)
4/10/2017	<0.01 (*)
10/4/2017	<0.01
3/20/2018	0.0016 (J)
9/18/2018	<0.01
3/22/2019	0.0022 (X)



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/18/2007	<0.0025	
1/30/2008	<0.0025	
3/5/2008	<0.0025	
5/7/2008	0.0087	
12/14/2008	<0.0025	
4/29/2009	<0.0025	
10/22/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.005	
10/3/2012	0.0042	
4/3/2013	<0.0025	
10/9/2013	<0.0025	
4/2/2014	0.0025 (J)	
10/2/2014	0.0016 (J)	
4/1/2015	<0.0025	
10/11/2015	<0.0025	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01 (*)	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12
8/21/2007	<0.0025
11/1/2007	<0.0025
11/19/2007	0.0047
1/16/2008	0.029
3/5/2008	0.023
5/13/2008	0.0032
12/13/2008	<0.0025
4/16/2009	<0.0025
10/21/2009	<0.0025
4/27/2010	<0.0025
10/5/2010	<0.0025
4/19/2011	0.0025
10/12/2011	<0.0025
4/24/2012	<0.005
10/2/2012	<0.0025
4/2/2013	0.003
10/9/2013	<0.0025
4/1/2014	0.0025 (J)
10/2/2014	<0.0025
4/1/2015	0.0014 (J)
10/14/2015	0.0021 (J)
4/4/2016	0.00264 (J)
8/3/2016	<0.01 (*)
4/11/2017	0.0027 (J)
10/4/2017	0.0022 (J)
3/22/2018	0.0025 (J)
9/18/2018	0.0024 (J)
3/23/2019	0.0026 (X)

# Prediction Limit

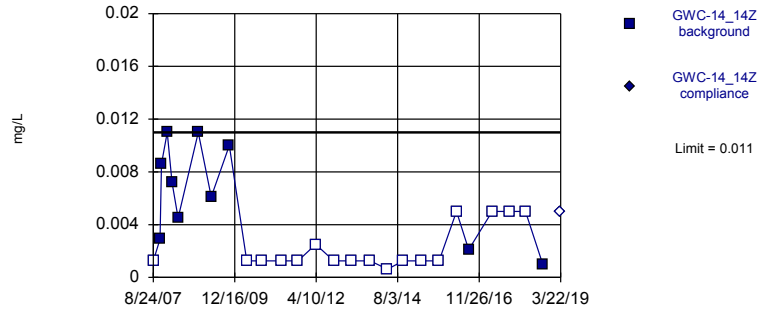
Constituent: Nickel (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.0076	
11/1/2007	0.0043	
11/19/2007	0.0061	
1/31/2008	0.015	
3/5/2008	<0.0025	
5/12/2008	0.0035	
12/13/2008	0.0079	
4/28/2009	<0.0025	
10/21/2009	<0.0025	
4/28/2010	<0.0025	
10/5/2010	<0.0025	
4/19/2011	<0.0025	
10/18/2011	0.0031	
4/25/2012	<0.005	
10/2/2012	<0.0025	
4/2/2013	<0.0025	
10/8/2013	<0.0025	
4/1/2014	<0.00125	
10/1/2014	<0.0025	
4/1/2015	<0.0025	
10/15/2015	<0.0025	
4/4/2016	<0.01	
8/4/2016	<0.01	
4/12/2017	<0.01 (*)	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	<0.01	
3/23/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

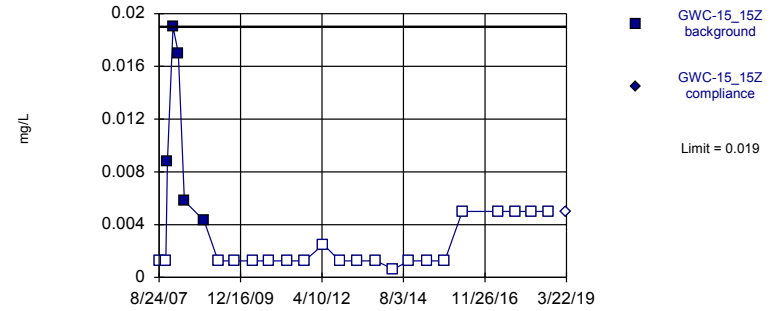


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 62.96% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

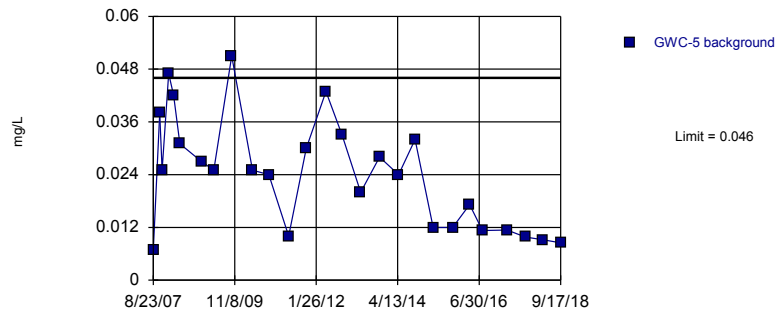
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Nickel Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Parametric, GWC-5

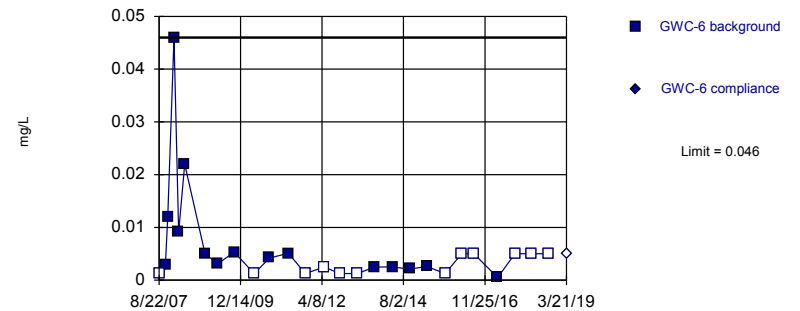


Background Data Summary: Mean=0.02419, Std. Dev.=0.01273, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9337, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Nickel Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used after natural log transformation resulted in a parametric limit of 6.954, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 27 background values. 44.44% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	<0.0025	
11/2/2007	0.0029	
11/17/2007	0.0086	
1/15/2008	0.011	
3/5/2008	0.0072	
5/7/2008	0.0045	
12/2/2008	0.011	
4/16/2009	0.0061	
10/20/2009	0.01	
4/20/2010	<0.0025	
9/29/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/4/2012	<0.005	
10/10/2012	<0.0025	
4/15/2013	<0.0025	
10/22/2013	<0.0025	
4/21/2014	<0.00125	
9/30/2014	<0.0025	
4/3/2015	<0.0025	
10/7/2015	<0.0025	
4/5/2016	<0.01	
8/9/2016	0.0021 (J)	
4/11/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	0.00096 (J)	
3/22/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.0025	
11/2/2007	<0.0025	
11/18/2007	0.0088 (J)	
1/15/2008	0.019	
3/10/2008	0.017	
5/13/2008	0.0058	
12/2/2008	0.0043	
4/28/2009	<0.0025	
10/20/2009	<0.0025	
4/27/2010	<0.0025	
10/5/2010	<0.0025	
4/19/2011	<0.0025	
10/12/2011	<0.0025	
4/25/2012	<0.005	
10/10/2012	<0.0025	
4/16/2013	<0.0025	
10/22/2013	<0.0025	
4/21/2014	<0.00125	
9/30/2014	<0.0025	
4/3/2015	<0.0025	
10/6/2015	<0.0025	
4/5/2016	<0.01	
4/11/2017	<0.01 (*)	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5
8/23/2007	0.0069
10/25/2007	0.038
11/19/2007	0.025
1/23/2008	0.047
3/11/2008	0.042
5/12/2008	0.031
12/11/2008	0.027
4/15/2009	0.025
10/9/2009	0.051
5/4/2010	0.025
10/12/2010	0.024
4/28/2011	0.01
10/19/2011	0.03
5/2/2012	0.0429
10/9/2012	0.033
4/11/2013	0.02
10/16/2013	0.028
4/23/2014	0.024
10/3/2014	0.032
3/31/2015	0.012
10/12/2015	0.012
3/28/2016	0.0172
8/1/2016	0.0113
4/3/2017	0.0114
10/3/2017	0.0098 (J)
3/19/2018	0.0092 (J)
9/17/2018	0.0085 (J)
3/20/2019	0.008 (X)

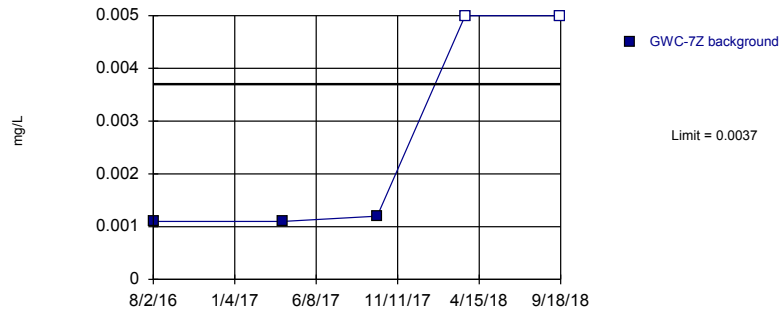
# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.0025	
10/25/2007	0.0028	
11/20/2007	0.012	
1/23/2008	0.046	
3/11/2008	0.0091	
5/14/2008	0.022	
12/11/2008	0.005	
4/23/2009	0.0031	
10/9/2009	0.0053	
5/4/2010	<0.0025	
10/11/2010	0.0042	
4/26/2011	0.0051	
10/18/2011	<0.0025	
5/2/2012	<0.005	
10/8/2012	<0.0025	
4/10/2013	<0.0025	
10/8/2013	0.0025	
4/14/2014	0.0025 (J)	
10/3/2014	0.0021 (J)	
4/1/2015	0.0026	
10/9/2015	<0.0025	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	0.0005 (J)	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01



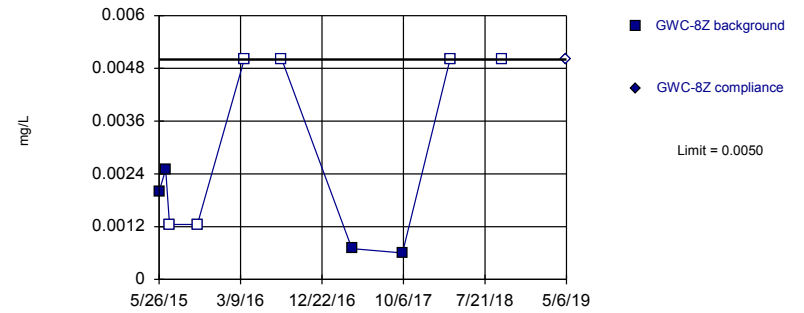
Prediction Limit  
Intrawell Parametric, GWC-7Z



Background Data Summary (after Aitchison's Adjustment): Mean=0.00068, Std. Dev.=0.0006221, n=5, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.6955, critical = 0.686. Kappa = 4.875 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Nickel Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

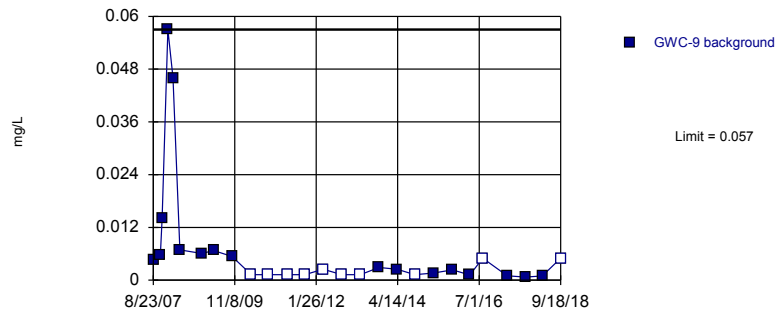
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

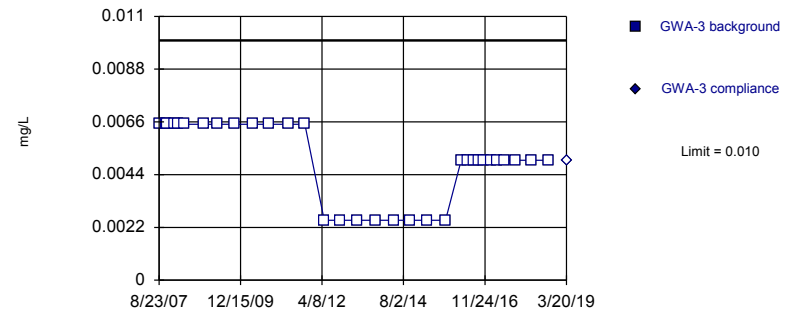
Prediction Limit  
Intrawell Non-parametric, GWC-9



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 37.04% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3). Assumes 1 future value.

Constituent: Nickel Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

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	GWC-7Z
8/2/2016	0.0011 (J)
4/6/2017	0.0011 (J)
10/3/2017	0.0012 (J)
3/20/2018	<0.01
9/18/2018	<0.01
3/21/2019	0.00099 (X)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	0.002 (J)	
6/18/2015	0.0025 (D)	
7/2/2015	<0.0025	
10/8/2015	<0.0025	
3/22/2016	<0.01	
8/2/2016	<0.01 (*)	
4/7/2017	0.0007 (J)	
10/3/2017	0.0006 (J)	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9
8/23/2007	0.0046
11/1/2007	0.0057
11/19/2007	0.014 (J)
1/15/2008	0.057
3/6/2008	0.046
5/13/2008	0.0069
12/12/2008	0.0061
4/16/2009	0.0067 (J)
10/13/2009	0.0054
4/21/2010	<0.0025
9/29/2010	<0.0025
4/13/2011	<0.0025
10/5/2011	<0.0025
4/4/2012	<0.005
10/8/2012	<0.0025
4/8/2013	<0.0025
10/9/2013	0.0029
4/9/2014	0.0025 (J)
9/30/2014	<0.0025
4/2/2015	0.0016 (J)
10/10/2015	0.002325 (D)
3/30/2016	0.00116 (J)
8/5/2016	<0.01
4/6/2017	0.001 (J)
10/3/2017	0.0007 (J)
3/20/2018	0.00097 (J)
9/18/2018	<0.01 (D)
3/21/2019	0.001 (X)

# Prediction Limit

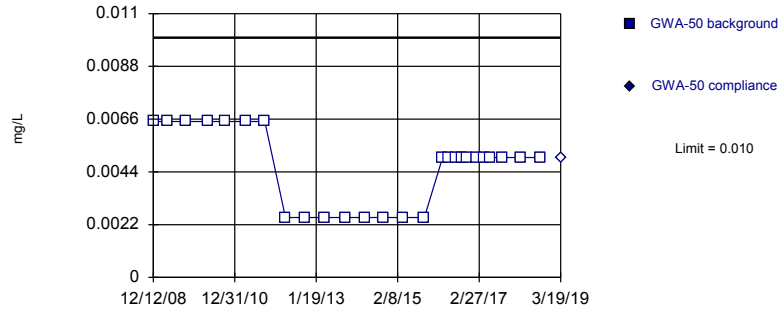
Constituent: Selenium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.013	
11/2/2007	<0.013	
11/18/2007	<0.013	
1/31/2008	<0.013	
3/11/2008	<0.013	
5/14/2008	<0.013	
12/5/2008	<0.013	
4/15/2009	<0.013	
10/8/2009	<0.013	
4/28/2010	<0.013	
10/6/2010	<0.013	
4/21/2011	<0.013	
10/13/2011	<0.013	
5/1/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.005	
10/4/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/23/2016	<0.01	
5/23/2016	<0.01	
7/29/2016	<0.01	
9/22/2016	<0.01	
11/10/2016	<0.01	
1/31/2017	<0.01	
3/30/2017	<0.01	
6/12/2017	<0.01	
10/4/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

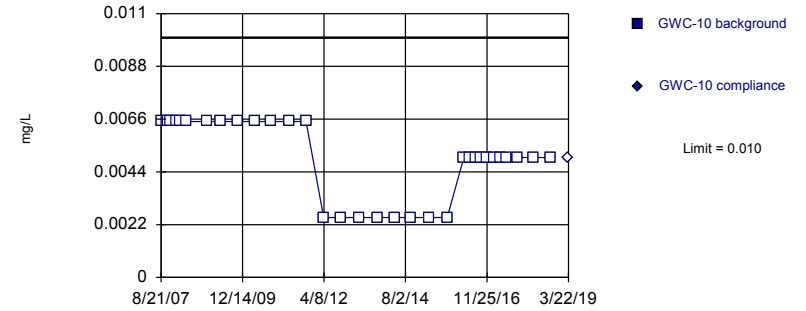


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 26) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Selenium Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

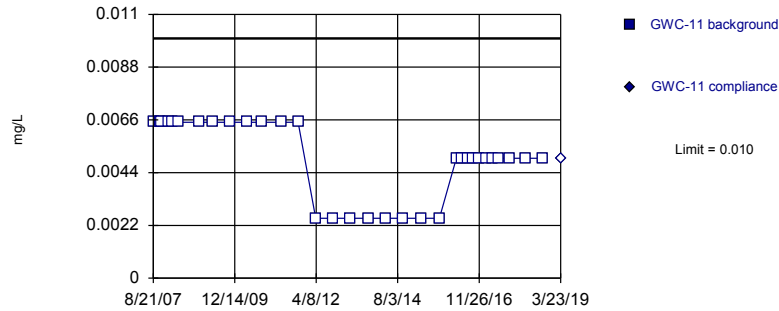


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

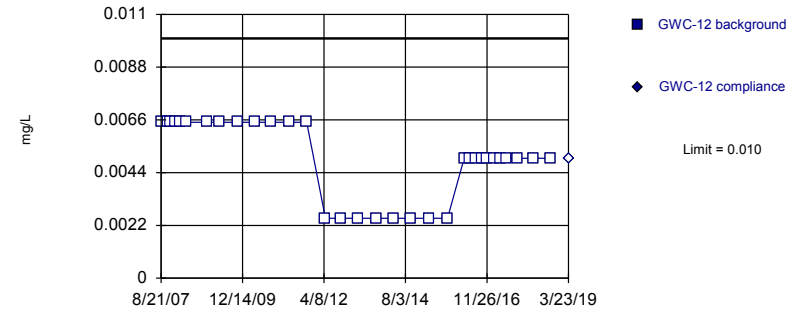


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.013	
4/23/2009	<0.013	
10/6/2009	<0.013	
4/27/2010	<0.013	
9/30/2010	<0.013	
4/14/2011	<0.013	
10/5/2011	<0.013	
4/11/2012	<0.005	
10/2/2012	<0.005	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	<0.005	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.01	
5/23/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/10/2016	<0.01	
1/30/2017	<0.01	
4/7/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01	
3/19/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.013	
11/1/2007	<0.013	
11/20/2007	<0.013	
1/30/2008	<0.013	
3/6/2008	<0.013	
5/12/2008	<0.013	
12/13/2008	<0.013	
4/29/2009	<0.013	
10/20/2009	<0.013	
4/26/2010	<0.013	
9/29/2010	<0.013	
4/13/2011	<0.013	
10/5/2011	<0.013	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.01	
5/26/2016	<0.01	
8/5/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/7/2017	<0.01	
4/10/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01



# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.013	
11/1/2007	<0.013	
11/18/2007	<0.013	
1/30/2008	<0.013	
3/5/2008	<0.013	
5/7/2008	<0.013	
12/14/2008	<0.013	
4/29/2009	<0.013	
10/22/2009	<0.013	
4/21/2010	<0.013	
9/28/2010	<0.013	
4/12/2011	<0.013	
10/4/2011	<0.013	
4/3/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.01	
5/26/2016	<0.01	
8/3/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/8/2017	<0.01	
4/10/2017	<0.01	
6/15/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01

# Prediction Limit

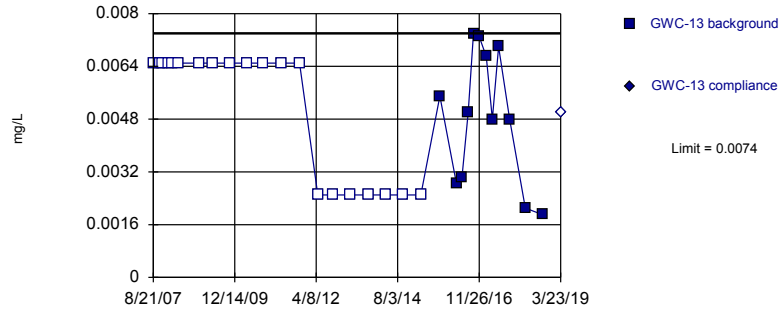
Constituent: Selenium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.013	
11/1/2007	<0.013	
11/19/2007	<0.013	
1/16/2008	<0.013	
3/5/2008	<0.013	
5/13/2008	<0.013	
12/13/2008	<0.013	
4/16/2009	<0.013	
10/21/2009	<0.013	
4/27/2010	<0.013	
10/5/2010	<0.013	
4/19/2011	<0.013	
10/12/2011	<0.013	
4/24/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/9/2013	<0.005	
4/1/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.01	
5/27/2016	<0.01	
8/3/2016	<0.01	
9/30/2016	<0.01	
11/22/2016	<0.01	
2/13/2017	<0.01	
4/11/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

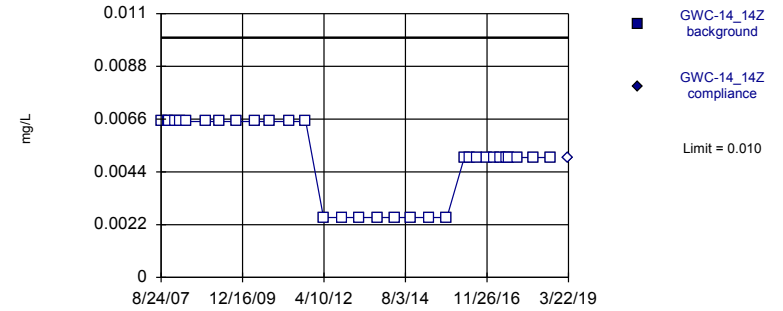


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

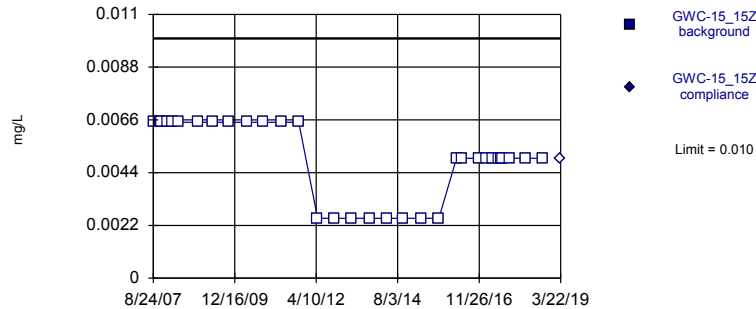


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

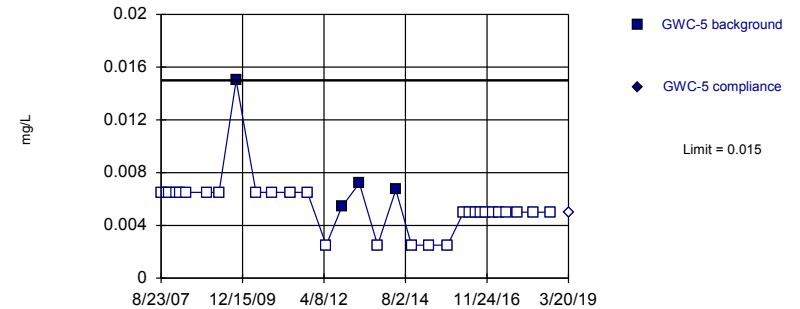


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 8/28/2019 9:08 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.013	
11/1/2007	<0.013	
11/19/2007	<0.013	
1/31/2008	<0.013	
3/5/2008	<0.013	
5/12/2008	<0.013	
12/13/2008	<0.013	
4/28/2009	<0.013	
10/21/2009	<0.013	
4/28/2010	<0.013	
10/5/2010	<0.013	
4/19/2011	<0.013	
10/18/2011	<0.013	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	0.0055	
4/4/2016	0.00286 (J)	
5/31/2016	0.00303 (J)	
8/4/2016	0.005 (J)	
9/29/2016	0.0074 (J)	
11/28/2016	0.0073 (J)	
2/9/2017	0.0067 (J)	
4/12/2017	0.0048 (J)	
6/16/2017	0.007 (J)	
10/9/2017	0.0048 (J)	
3/21/2018	0.0021 (J)	
9/19/2018	0.0019 (J)	
3/23/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	<0.013	
11/2/2007	<0.013	
11/17/2007	<0.013	
1/15/2008	<0.013	
3/5/2008	<0.013	
5/7/2008	<0.013	
12/2/2008	<0.013	
4/16/2009	<0.013	
10/20/2009	<0.013	
4/20/2010	<0.013	
9/29/2010	<0.013	
4/12/2011	<0.013	
10/4/2011	<0.013	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.01	
6/1/2016	<0.01	
8/9/2016	<0.01	
11/28/2016	<0.01	
2/9/2017	<0.01	
4/11/2017	<0.01	
6/14/2017	<0.01	
7/12/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.013	
11/2/2007	<0.013	
11/18/2007	<0.013	
1/15/2008	<0.013	
3/10/2008	<0.013	
5/13/2008	<0.013	
12/2/2008	<0.013	
4/28/2009	<0.013	
10/20/2009	<0.013	
4/27/2010	<0.013	
10/5/2010	<0.013	
4/19/2011	<0.013	
10/12/2011	<0.013	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.01	
5/31/2016	<0.01	
11/23/2016	<0.01	
2/10/2017	<0.01	
4/11/2017	<0.01	
6/15/2017	<0.01	
7/12/2017	<0.01	
7/26/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01

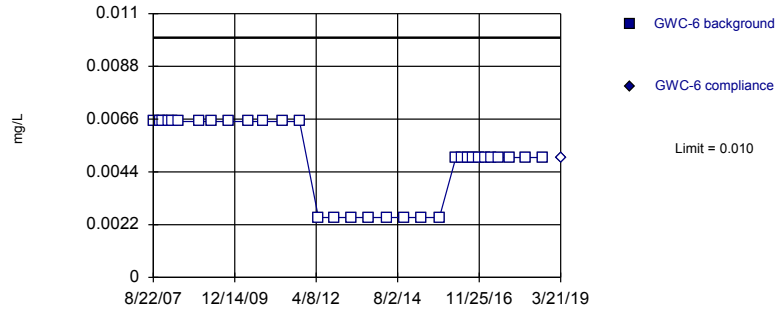
# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.013	
10/25/2007	<0.013	
11/19/2007	<0.013	
1/23/2008	<0.013	
3/11/2008	<0.013	
5/12/2008	<0.013	
12/11/2008	<0.013	
4/15/2009	<0.013	
10/9/2009	0.015	
5/4/2010	<0.013	
10/12/2010	<0.013	
4/28/2011	<0.013	
10/19/2011	<0.013	
5/2/2012	<0.005	
10/9/2012	0.0054	
4/11/2013	0.0072	
10/16/2013	<0.005	
4/23/2014	0.0067	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	<0.01	
9/27/2016	<0.01	
11/11/2016	<0.01	
1/31/2017	<0.01	
4/3/2017	<0.01	
6/12/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

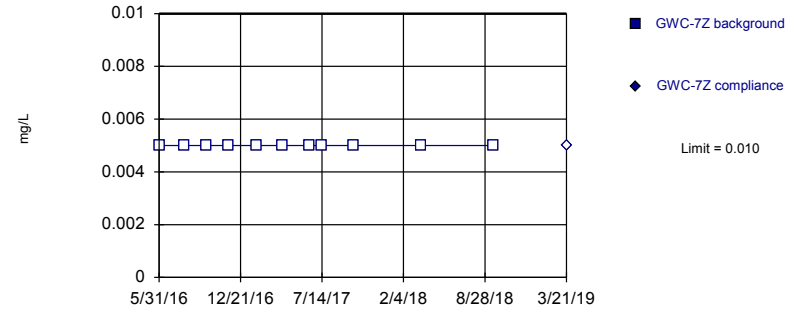


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

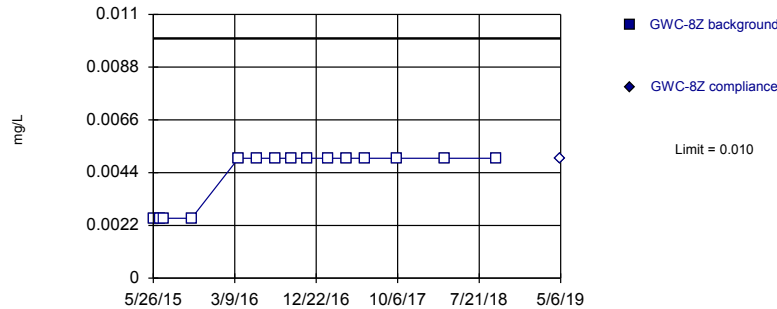


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

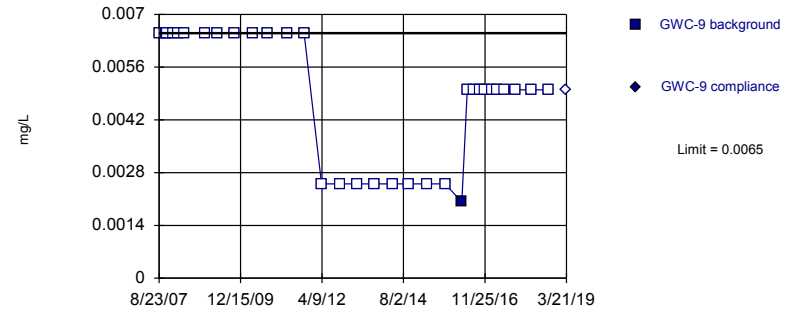


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Selenium Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.013	
10/25/2007	<0.013	
11/20/2007	<0.013	
1/23/2008	<0.013	
3/11/2008	<0.013	
5/14/2008	<0.013	
12/11/2008	<0.013	
4/23/2009	<0.013	
10/9/2009	<0.013	
5/4/2010	<0.013	
10/11/2010	<0.013	
4/26/2011	<0.013	
10/18/2011	<0.013	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	<0.005	
10/3/2014	<0.005	
4/1/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.01	
5/24/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/18/2016	<0.01	
2/1/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.01	
8/2/2016	<0.01	
9/27/2016	<0.01	
11/21/2016	<0.01	
2/1/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
7/14/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.01	
5/25/2016	<0.01	
8/2/2016	<0.01	
9/26/2016	<0.01	
11/21/2016	<0.01	
2/3/2017	<0.01	
4/7/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019		<0.01

# Prediction Limit

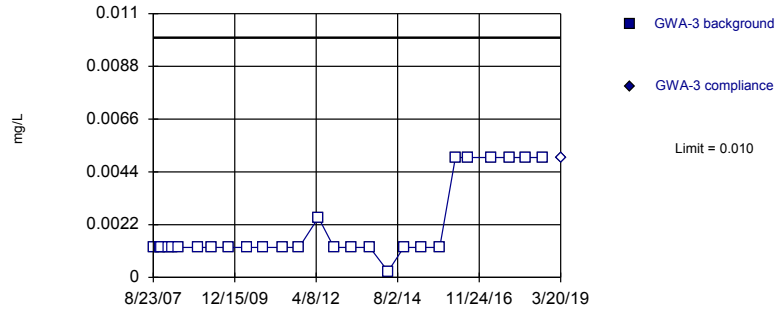
Constituent: Selenium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.013	
11/1/2007	<0.013	
11/19/2007	<0.013	
1/15/2008	<0.013	
3/6/2008	<0.013	
5/13/2008	<0.013	
12/12/2008	<0.013	
4/16/2009	<0.013	
10/13/2009	<0.013	
4/21/2010	<0.013	
9/29/2010	<0.013	
4/13/2011	<0.013	
10/5/2011	<0.013	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005 (D)	
3/30/2016	0.00202 (J)	
5/26/2016	<0.01	
8/5/2016	<0.01	
9/28/2016	<0.01	
11/21/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

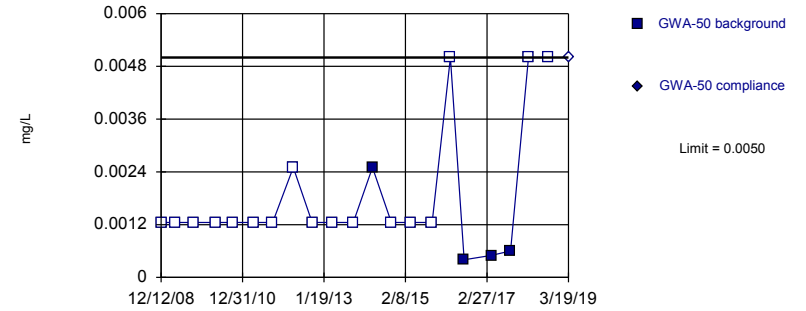


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Silver Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

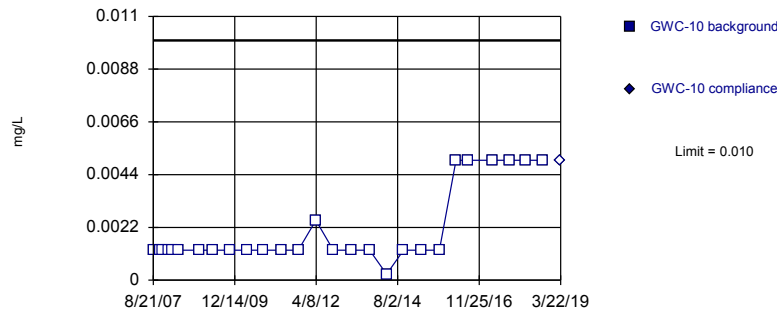


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 80.95% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Constituent: Silver Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

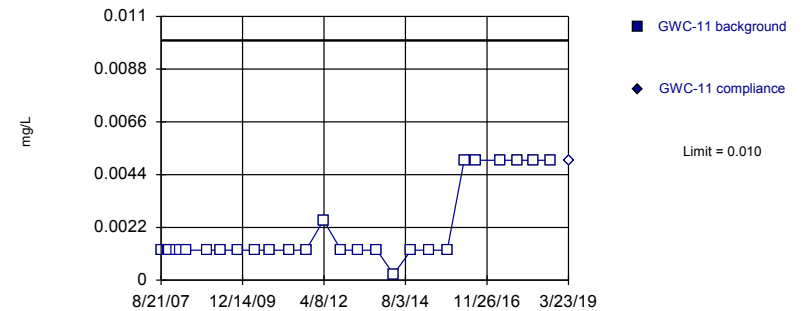


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Silver Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Silver Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.0025	
11/2/2007	<0.0025	
11/18/2007	<0.0025	
1/31/2008	<0.0025	
3/11/2008	<0.0025	
5/14/2008	<0.0025	
12/5/2008	<0.0025	
4/15/2009	<0.0025	
10/8/2009	<0.0025	
4/28/2010	<0.0025	
10/6/2010	<0.0025	
4/21/2011	<0.0025	
10/13/2011	<0.0025	
5/1/2012	<0.005	
10/9/2012	<0.0025	
4/11/2013	<0.0025	
10/16/2013	<0.0025	
4/23/2014	<0.0005	
10/4/2014	<0.0025	
3/31/2015	<0.0025	
10/12/2015	<0.0025	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/4/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.0025	
4/23/2009	<0.0025	
10/6/2009	<0.0025	
4/27/2010	<0.0025	
9/30/2010	<0.0025	
4/14/2011	<0.0025	
10/5/2011	<0.0025	
4/11/2012	<0.005	
10/2/2012	<0.0025	
4/9/2013	<0.0025	
10/15/2013	<0.0025	
4/10/2014	0.0025 (J)	
10/1/2014	<0.0025	
3/30/2015	<0.0025	
10/11/2015	<0.0025	
3/28/2016	<0.01	
8/1/2016	0.0004 (J)	
4/7/2017	0.0005 (J)	
10/2/2017	0.0006 (J)	
3/16/2018	<0.01	
9/17/2018	<0.01	
3/19/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/20/2007	<0.0025	
1/30/2008	<0.0025	
3/6/2008	<0.0025	
5/12/2008	<0.0025	
12/13/2008	<0.0025	
4/29/2009	<0.0025	
10/20/2009	<0.0025	
4/26/2010	<0.0025	
9/29/2010	<0.0025	
4/13/2011	<0.0025	
10/5/2011	<0.0025	
4/4/2012	<0.005	
10/3/2012	<0.0025	
4/3/2013	<0.0025	
10/15/2013	<0.0025	
4/9/2014	<0.0005	
10/2/2014	<0.0025	
4/2/2015	<0.0025	
10/10/2015	<0.0025	
3/31/2016	<0.01	
8/5/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01



# Prediction Limit

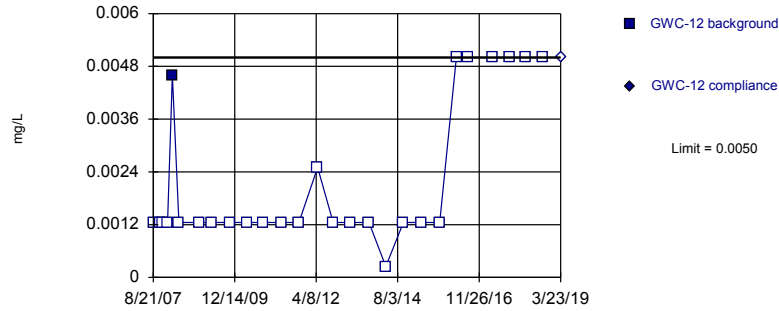
Constituent: Silver (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/18/2007	<0.0025	
1/30/2008	<0.0025	
3/5/2008	<0.0025	
5/7/2008	<0.0025	
12/14/2008	<0.0025	
4/29/2009	<0.0025	
10/22/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.005	
10/3/2012	<0.0025	
4/3/2013	<0.0025	
10/9/2013	<0.0025	
4/2/2014	<0.0005	
10/2/2014	<0.0025	
4/1/2015	<0.0025	
10/11/2015	<0.0025	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

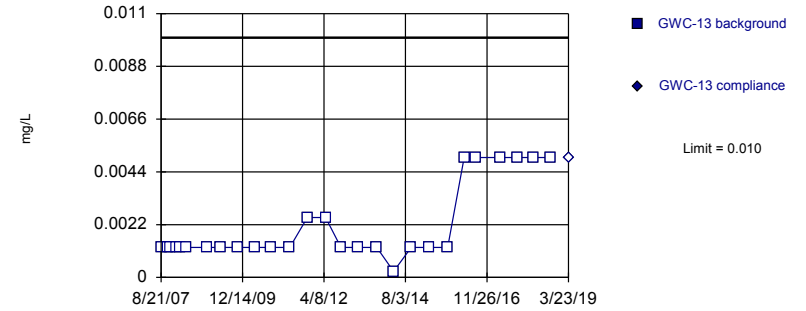


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Silver Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

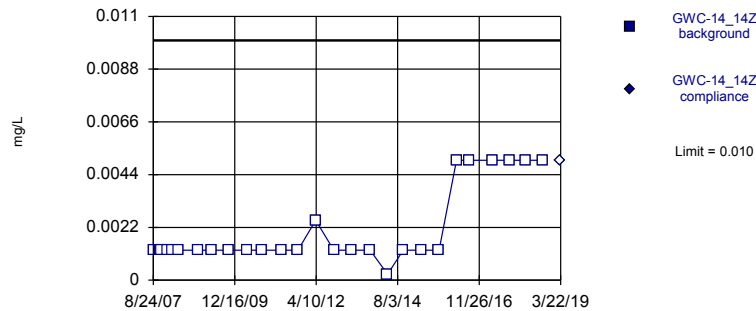


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Silver Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

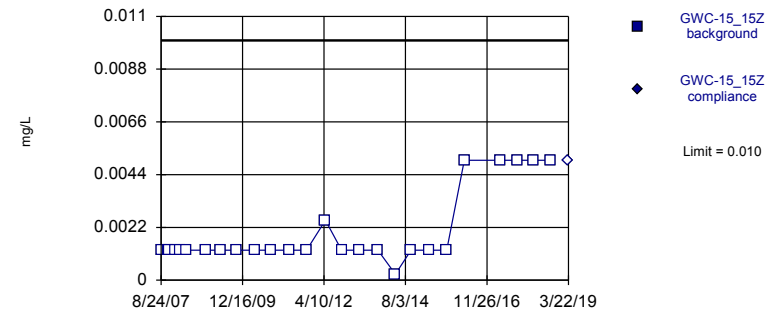


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Silver Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 26) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Silver Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/19/2007	<0.0025	
1/16/2008	<0.0025	
3/5/2008	0.0046	
5/13/2008	<0.0025	
12/13/2008	<0.0025	
4/16/2009	<0.0025	
10/21/2009	<0.0025	
4/27/2010	<0.0025	
10/5/2010	<0.0025	
4/19/2011	<0.0025	
10/12/2011	<0.0025	
4/24/2012	<0.005	
10/2/2012	<0.0025	
4/2/2013	<0.0025	
10/9/2013	<0.0025	
4/1/2014	<0.0005	
10/2/2014	<0.0025	
4/1/2015	<0.0025	
10/14/2015	<0.0025	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/11/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/19/2007	<0.0025	
1/31/2008	<0.0025	
3/5/2008	<0.0025	
5/12/2008	<0.0025	
12/13/2008	<0.0025	
4/28/2009	<0.0025	
10/21/2009	<0.0025	
4/28/2010	<0.0025	
10/5/2010	<0.0025	
4/19/2011	<0.0025	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.0025	
4/2/2013	<0.0025	
10/8/2013	<0.0025	
4/1/2014	<0.0005	
10/1/2014	<0.0025	
4/1/2015	<0.0025	
10/15/2015	<0.0025	
4/4/2016	<0.01	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	<0.01	
3/23/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	<0.0025	
11/2/2007	<0.0025	
11/17/2007	<0.0025	
1/15/2008	<0.0025	
3/5/2008	<0.0025	
5/7/2008	<0.0025	
12/2/2008	<0.0025	
4/16/2009	<0.0025	
10/20/2009	<0.0025	
4/20/2010	<0.0025	
9/29/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/4/2012	<0.005	
10/10/2012	<0.0025	
4/15/2013	<0.0025	
10/22/2013	<0.0025	
4/21/2014	<0.0005	
9/30/2014	<0.0025	
4/3/2015	<0.0025	
10/7/2015	<0.0025	
4/5/2016	<0.01	
8/9/2016	<0.01	
4/11/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

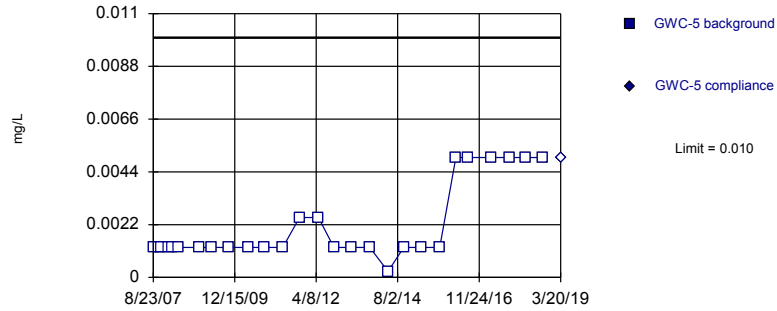
Constituent: Silver (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.0025	
11/2/2007	<0.0025	
11/18/2007	<0.0025	
1/15/2008	<0.0025	
3/10/2008	<0.0025	
5/13/2008	<0.0025	
12/2/2008	<0.0025	
4/28/2009	<0.0025	
10/20/2009	<0.0025	
4/27/2010	<0.0025	
10/5/2010	<0.0025	
4/19/2011	<0.0025	
10/12/2011	<0.0025	
4/25/2012	<0.005	
10/10/2012	<0.0025	
4/16/2013	<0.0025	
10/22/2013	<0.0025	
4/21/2014	<0.0005	
9/30/2014	<0.0025	
4/3/2015	<0.0025	
10/6/2015	<0.0025	
4/5/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

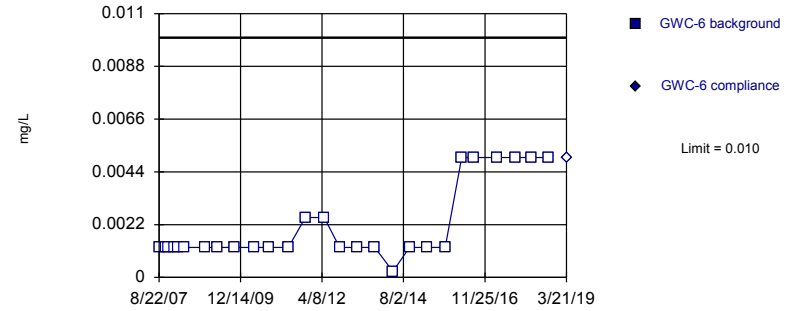


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Silver Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

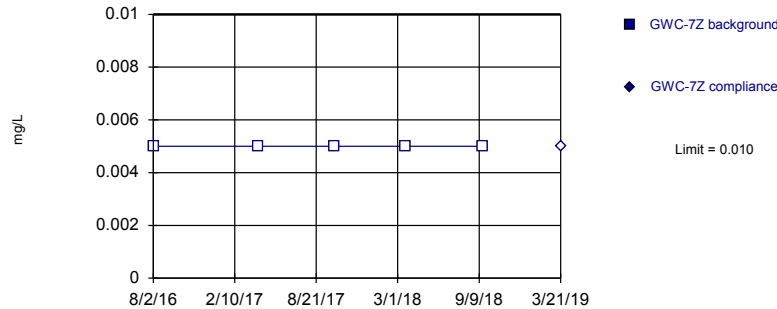


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Silver Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

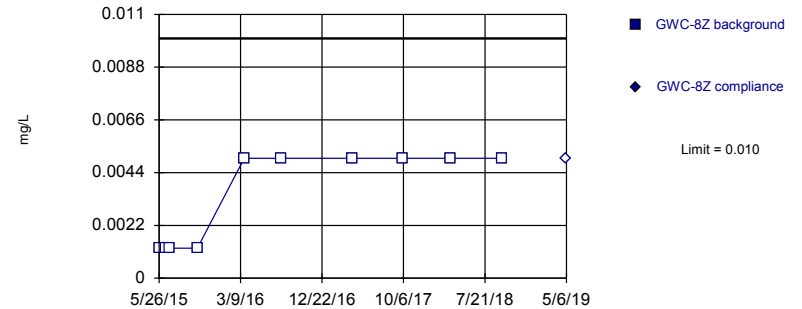


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 5) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Silver Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Silver Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.0025	
10/25/2007	<0.0025	
11/19/2007	<0.0025	
1/23/2008	<0.0025	
3/11/2008	<0.0025	
5/12/2008	<0.0025	
12/11/2008	<0.0025	
4/15/2009	<0.0025	
10/9/2009	<0.0025	
5/4/2010	<0.0025	
10/12/2010	<0.0025	
4/28/2011	<0.0025	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	<0.0025	
4/11/2013	<0.0025	
10/16/2013	<0.0025	
4/23/2014	<0.0005	
10/3/2014	<0.0025	
3/31/2015	<0.0025	
10/12/2015	<0.0025	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01



# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.0025	
10/25/2007	<0.0025	
11/20/2007	<0.0025	
1/23/2008	<0.0025	
3/11/2008	<0.0025	
5/14/2008	<0.0025	
12/11/2008	<0.0025	
4/23/2009	<0.0025	
10/9/2009	<0.0025	
5/4/2010	<0.0025	
10/11/2010	<0.0025	
4/26/2011	<0.0025	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.0025	
4/10/2013	<0.0025	
10/8/2013	<0.0025	
4/14/2014	<0.0005	
10/3/2014	<0.0025	
4/1/2015	<0.0025	
10/9/2015	<0.0025	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
8/2/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		<0.01

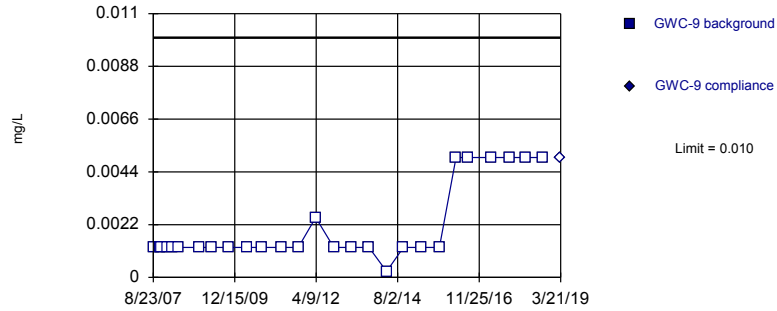
# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.0025	
6/18/2015	<0.0025 (D)	
7/2/2015	<0.0025	
10/8/2015	<0.0025	
3/22/2016	<0.01	
8/2/2016	<0.01	
4/7/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

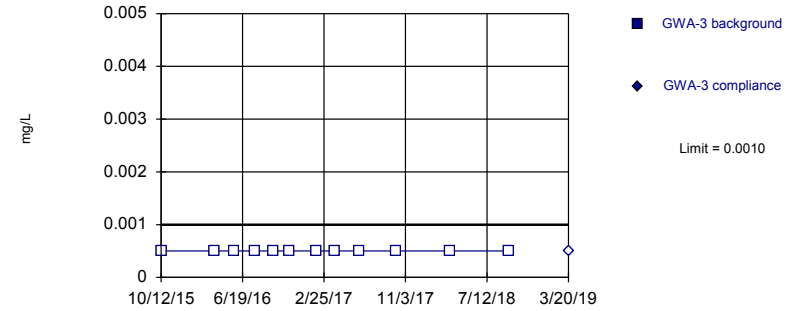


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Silver Analysis Run 8/28/2019 9:09 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

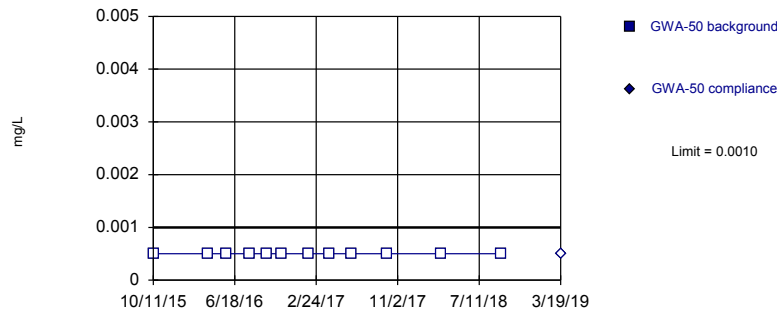


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

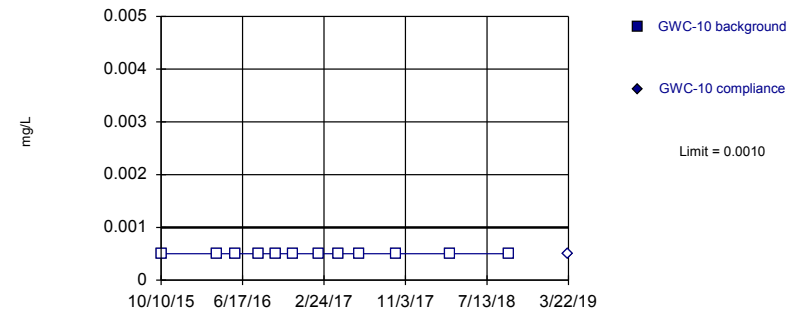


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.0025	
11/1/2007	<0.0025	
11/19/2007	<0.0025	
1/15/2008	<0.0025	
3/6/2008	<0.0025	
5/13/2008	<0.0025	
12/12/2008	<0.0025	
4/16/2009	<0.0025	
10/13/2009	<0.0025	
4/21/2010	<0.0025	
9/29/2010	<0.0025	
4/13/2011	<0.0025	
10/5/2011	<0.0025	
4/4/2012	<0.005	
10/8/2012	<0.0025	
4/8/2013	<0.0025	
10/9/2013	<0.0025	
4/9/2014	<0.0005	
9/30/2014	<0.0025	
4/2/2015	<0.0025	
10/10/2015	<0.0025 (D)	
3/30/2016	<0.01	
8/5/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		<0.01

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
10/12/2015	<0.001	
3/23/2016	<0.001	
5/23/2016	<0.001	
7/29/2016	<0.001	
9/22/2016	<0.001	
11/10/2016	<0.001	
1/31/2017	<0.001	
3/30/2017	<0.001	
6/12/2017	<0.001	
10/4/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/20/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
10/11/2015	<0.001	
3/28/2016	<0.001	
5/23/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/10/2016	<0.001	
1/30/2017	<0.001	
4/7/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/17/2018	<0.001	
3/19/2019		<0.001

# Prediction Limit

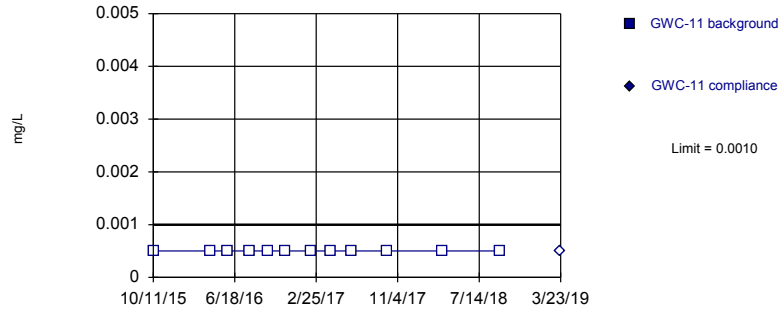
Constituent: Thallium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
10/10/2015	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/5/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
3/22/2019		<0.001



Within Limit

Prediction Limit  
Intrawell Non-parametric

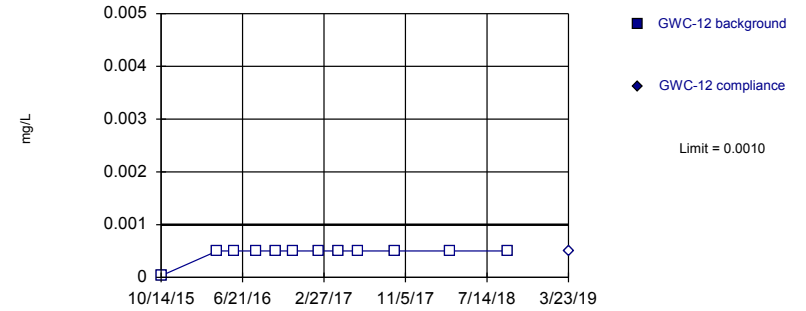


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

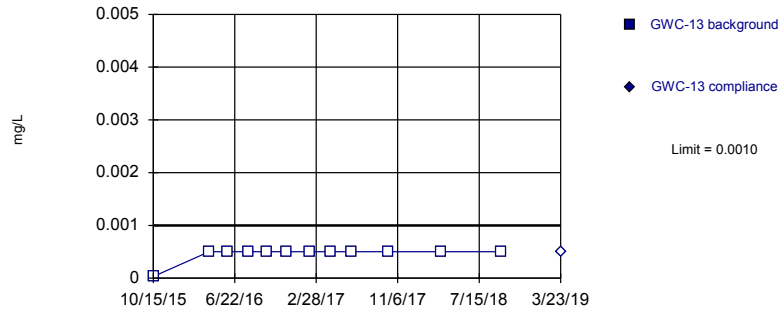


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

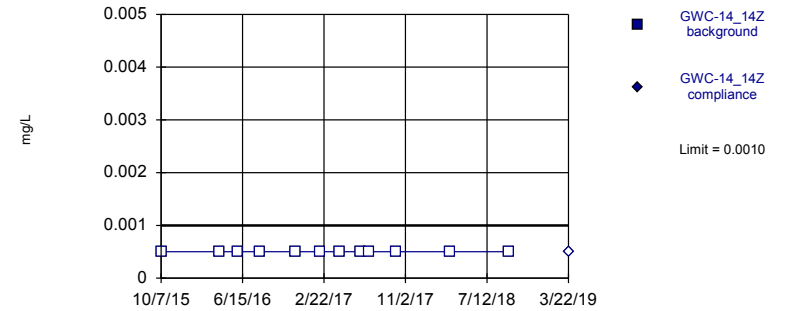


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
10/11/2015	<0.001	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/23/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
10/14/2015	<6E-05	
4/4/2016	<0.001	
5/27/2016	<0.001	
8/3/2016	<0.001	
9/30/2016	<0.001	
11/22/2016	<0.001	
2/13/2017	<0.001	
4/11/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/22/2018	<0.001	
9/18/2018	<0.001	
3/23/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
10/15/2015	<6E-05	
4/4/2016	<0.001	
5/31/2016	<0.001	
8/4/2016	<0.001	
9/29/2016	<0.001	
11/28/2016	<0.001	
2/9/2017	<0.001	
4/12/2017	<0.001	
6/16/2017	<0.001	
10/9/2017	<0.001	
3/21/2018	<0.001	
9/19/2018	<0.001	
3/23/2019		<0.001

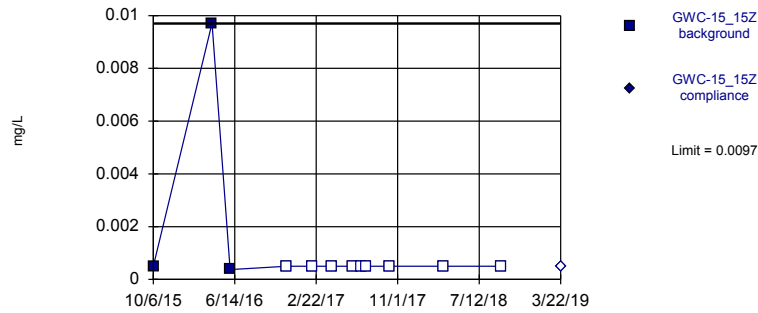
# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
10/7/2015	<0.001 (D)	
4/5/2016	<0.001	
6/1/2016	<0.001	
8/9/2016	<0.001	
11/28/2016	<0.001	
2/9/2017	<0.001	
4/11/2017	<0.001	
6/14/2017	<0.001	
7/12/2017	<0.001	
10/5/2017	<0.001	
3/22/2018	<0.001	
9/19/2018	<0.001	
3/22/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

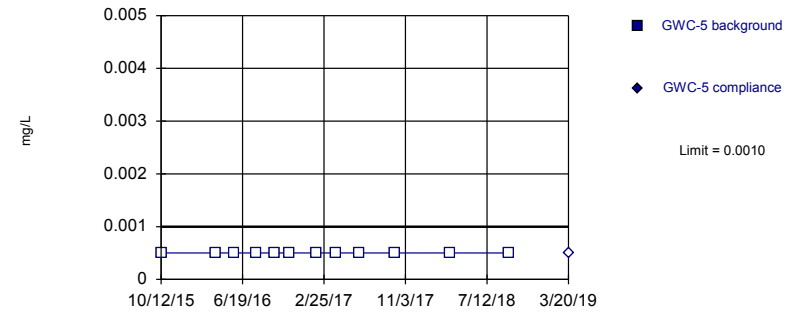


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

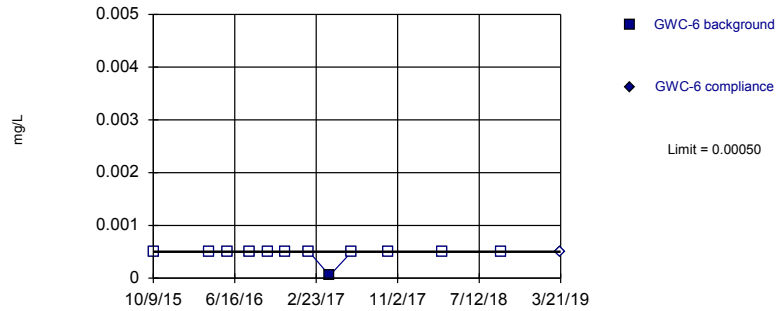


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

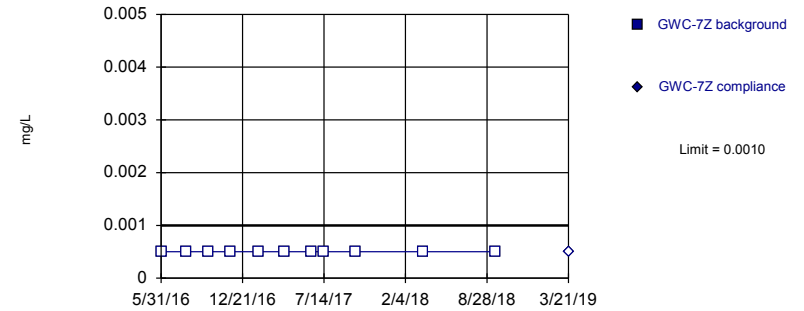


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
10/6/2015	0.0005 (D)	
4/5/2016	0.00971 (J)	
5/31/2016	0.000373 (J)	
11/23/2016	<0.001	
2/10/2017	<0.001	
4/11/2017	<0.001	
6/15/2017	<0.001	
7/12/2017	<0.001	
7/26/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/19/2018	<0.001	
3/22/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
10/12/2015	<0.001	
3/28/2016	<0.001	
5/25/2016	<0.001	
8/1/2016	<0.001	
9/27/2016	<0.001	
11/11/2016	<0.001	
1/31/2017	<0.001	
4/3/2017	<0.001	
6/12/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/20/2019		<0.001



# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
10/9/2015	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/18/2016	<0.001	
2/1/2017	<0.001	
4/6/2017	5E-05 (J)	
6/13/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/21/2019		<0.001

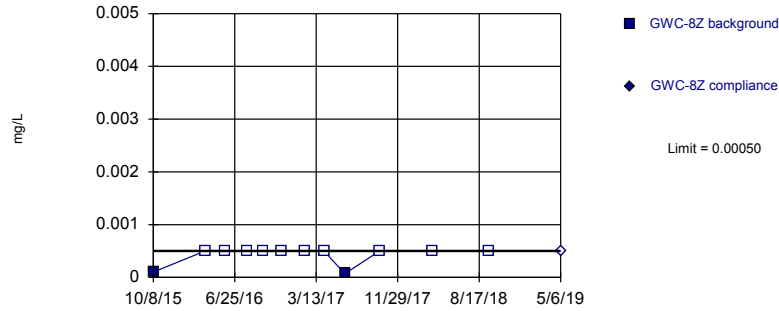
# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.001	
8/2/2016	<0.001	
9/27/2016	<0.001	
11/21/2016	<0.001	
2/1/2017	<0.001	
4/6/2017	<0.001	
6/13/2017	<0.001	
7/14/2017	<0.001	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
3/21/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

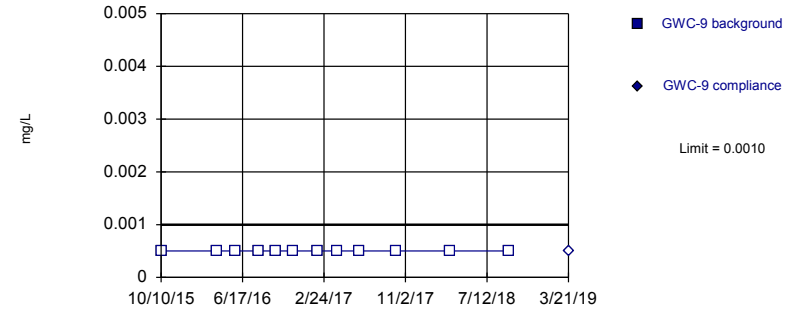


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

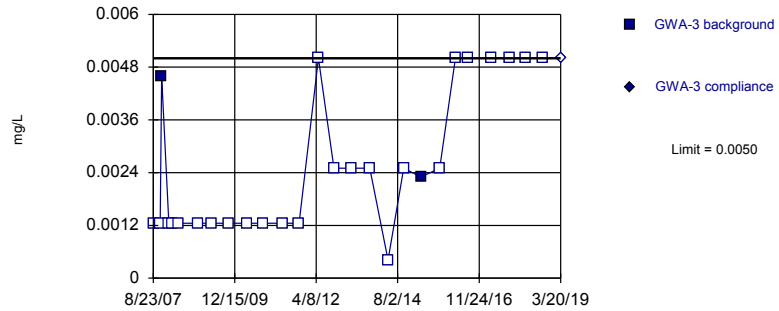


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

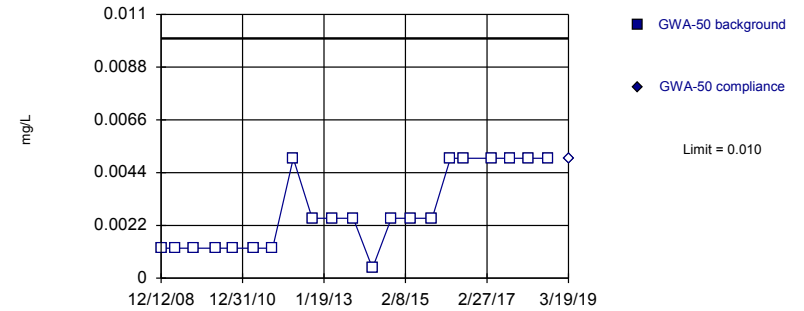


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 21) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Constituent: Vanadium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
10/8/2015	0.0001 (D)	
3/22/2016	<0.001	
5/25/2016	<0.001	
8/2/2016	<0.001	
9/26/2016	<0.001	
11/21/2016	<0.001	
2/3/2017	<0.001	
4/7/2017	<0.001	
6/13/2017	7E-05 (J)	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
5/6/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
10/10/2015	<0.001	
3/30/2016	<0.001	
5/26/2016	<0.001	
8/5/2016	<0.001	
9/28/2016	<0.001	
11/21/2016	<0.001	
2/6/2017	<0.001	
4/6/2017	<0.001	
6/13/2017	<0.001	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001 (D)	
3/21/2019		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.0025	
11/2/2007	<0.0025	
11/18/2007	0.0046	
1/31/2008	<0.0025	
3/11/2008	<0.0025	
5/14/2008	<0.0025	
12/5/2008	<0.0025	
4/15/2009	<0.0025	
10/8/2009	<0.0025	
4/28/2010	<0.0025	
10/6/2010	<0.0025	
4/21/2011	<0.0025	
10/13/2011	<0.0025	
5/1/2012	<0.01	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.000825	
10/4/2014	<0.005	
3/31/2015	0.0023 (J)	
10/12/2015	<0.005	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/4/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01

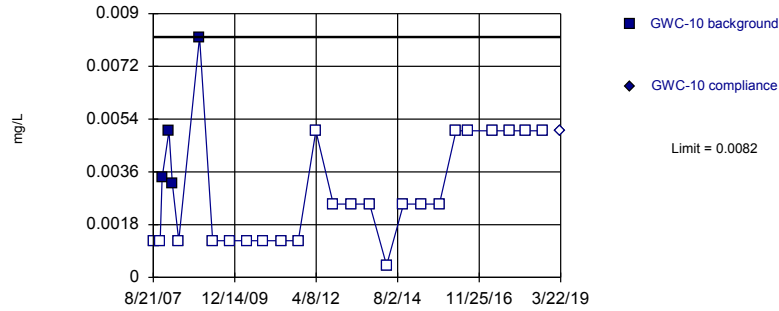
# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.0025	
4/23/2009	<0.0025	
10/6/2009	<0.0025	
4/27/2010	<0.0025	
9/30/2010	<0.0025	
4/14/2011	<0.0025	
10/5/2011	<0.0025	
4/11/2012	<0.01	
10/2/2012	<0.005	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	<0.000825	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/7/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01	
3/19/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

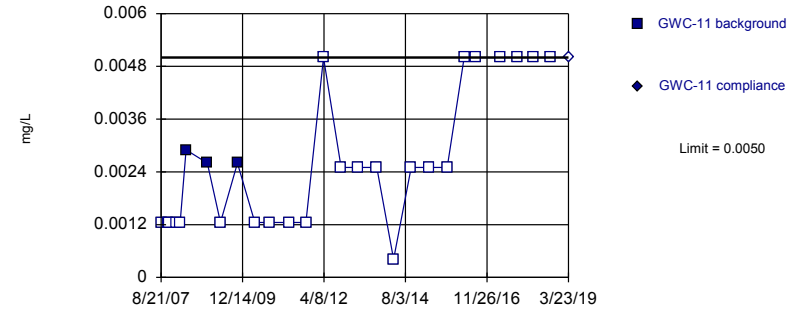


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

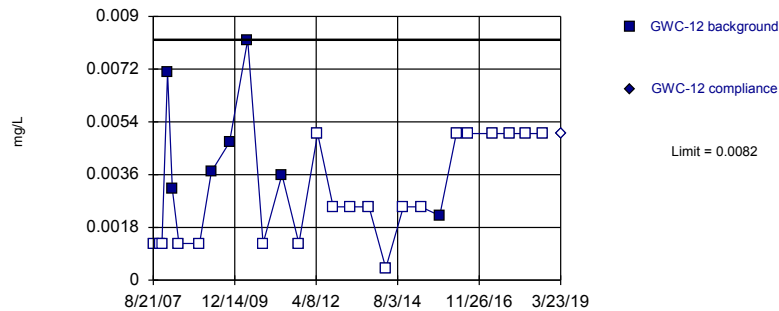


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

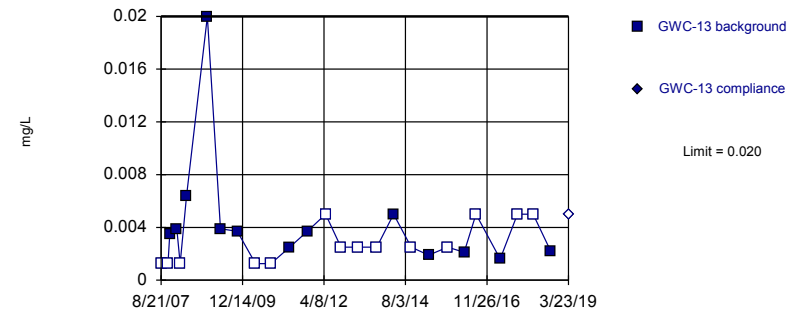


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 51.85% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/20/2007	0.0034	
1/30/2008	0.005	
3/6/2008	0.0032	
5/12/2008	<0.0025	
12/13/2008	0.0082	
4/29/2009	<0.0025	
10/20/2009	<0.0025	
4/26/2010	<0.0025	
9/29/2010	<0.0025	
4/13/2011	<0.0025	
10/5/2011	<0.0025	
4/4/2012	<0.01	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.000825	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.01	
8/5/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/18/2007	<0.0025	
1/30/2008	<0.0025	
3/5/2008	<0.0025	
5/7/2008	0.0029	
12/14/2008	0.0026	
4/29/2009	<0.0025	
10/22/2009	0.0026	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.01	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.000825	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/19/2007	<0.0025	
1/16/2008	0.0071	
3/5/2008	0.0031	
5/13/2008	<0.0025	
12/13/2008	<0.0025	
4/16/2009	0.0037	
10/21/2009	0.0047	
4/27/2010	0.0082	
10/5/2010	<0.0025	
4/19/2011	0.0036	
10/12/2011	<0.0025	
4/24/2012	<0.01	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/9/2013	<0.005	
4/1/2014	<0.000825	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/14/2015	0.0022 (J)	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/11/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01

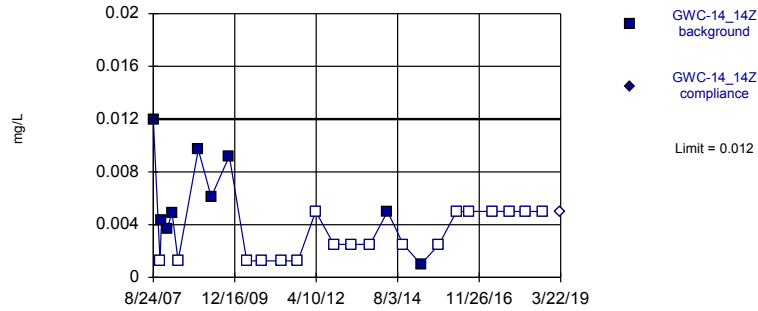
# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/19/2007	0.0035	
1/31/2008	0.0039	
3/5/2008	<0.0025	
5/12/2008	0.0064	
12/13/2008	0.02	
4/28/2009	0.0039	
10/21/2009	0.0037	
4/28/2010	<0.0025	
10/5/2010	<0.0025	
4/19/2011	0.0025	
10/18/2011	0.0037	
4/25/2012	<0.01	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	0.005 (J)	
10/1/2014	<0.005	
4/1/2015	0.0019 (J)	
10/15/2015	<0.005	
4/4/2016	0.00211 (J)	
8/4/2016	<0.01	
4/12/2017	0.0016 (J)	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	0.0022 (J)	
3/23/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

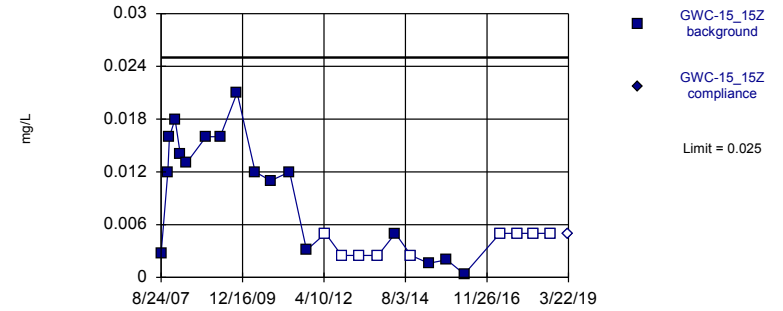


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

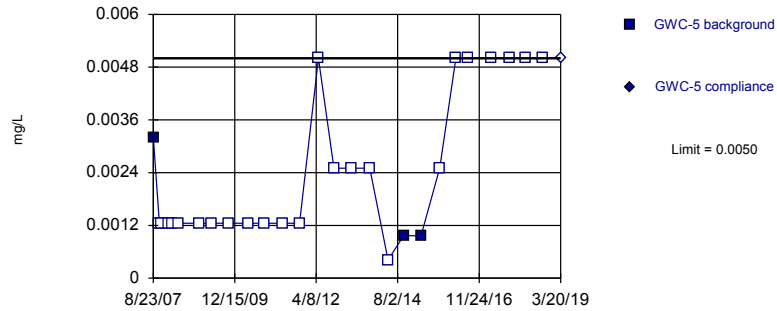


Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=0.06179, Std. Dev.=0.05532, n=26, 34.62% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9196, critical = 0.891. Kappa = 1.748 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Vanadium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

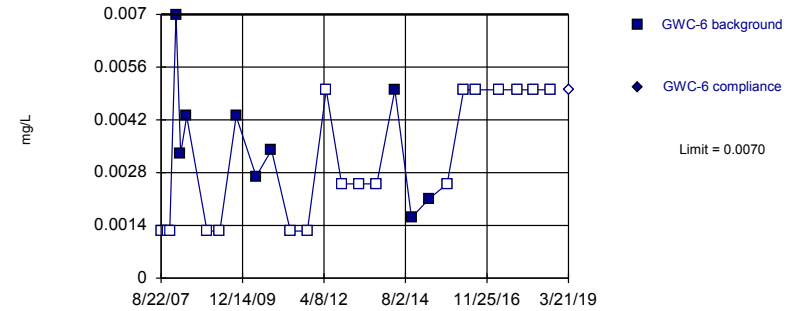


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 8/28/2019 9:10 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	0.012	
11/2/2007	<0.0025	
11/17/2007	0.0043	
1/15/2008	0.0037	
3/5/2008	0.0049	
5/7/2008	<0.0025	
12/2/2008	0.0097	
4/16/2009	0.0061	
10/20/2009	0.0092	
4/20/2010	<0.0025	
9/29/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/4/2012	<0.01	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	<0.005	
4/3/2015	0.001 (J)	
10/7/2015	<0.005	
4/5/2016	<0.01	
8/9/2016	<0.01	
4/11/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	0.0027	
11/2/2007	0.012	
11/18/2007	0.016 (J)	
1/15/2008	0.018	
3/10/2008	0.014	
5/13/2008	0.013	
12/2/2008	0.016	
4/28/2009	0.016	
10/20/2009	0.021	
4/27/2010	0.012	
10/5/2010	0.011	
4/19/2011	0.012	
10/12/2011	0.0031	
4/25/2012	<0.01	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	<0.005	
4/3/2015	0.0016 (J)	
10/6/2015	0.002 (J)	
4/5/2016	0.00036 (J)	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.0032	
10/25/2007	<0.0025	
11/19/2007	<0.0025	
1/23/2008	<0.0025	
3/11/2008	<0.0025	
5/12/2008	<0.0025	
12/11/2008	<0.0025	
4/15/2009	<0.0025	
10/9/2009	<0.0025	
5/4/2010	<0.0025	
10/12/2010	<0.0025	
4/28/2011	<0.0025	
10/19/2011	<0.0025	
5/2/2012	<0.01	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.000825	
10/3/2014	0.00097 (J)	
3/31/2015	0.00096 (J)	
10/12/2015	<0.005	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01



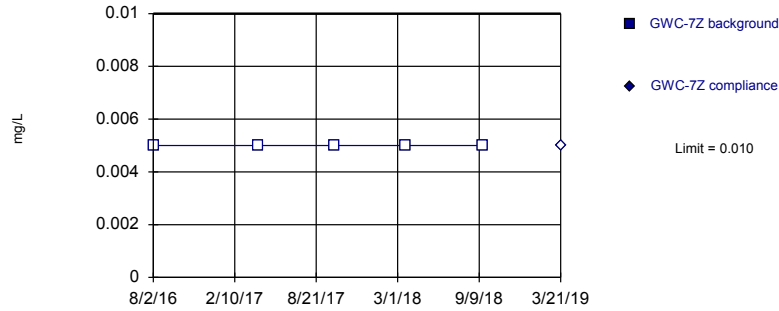
# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.0025	
10/25/2007	<0.0025	
11/20/2007	<0.0025	
1/23/2008	0.007	
3/11/2008	0.0033	
5/14/2008	0.0043	
12/11/2008	<0.0025	
4/23/2009	<0.0025	
10/9/2009	0.0043	
5/4/2010	0.0027	
10/11/2010	0.0034	
4/26/2011	<0.0025	
10/18/2011	<0.0025	
5/2/2012	<0.01	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	0.005 (J)	
10/3/2014	0.0016 (J)	
4/1/2015	0.0021 (J)	
10/9/2015	<0.005	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

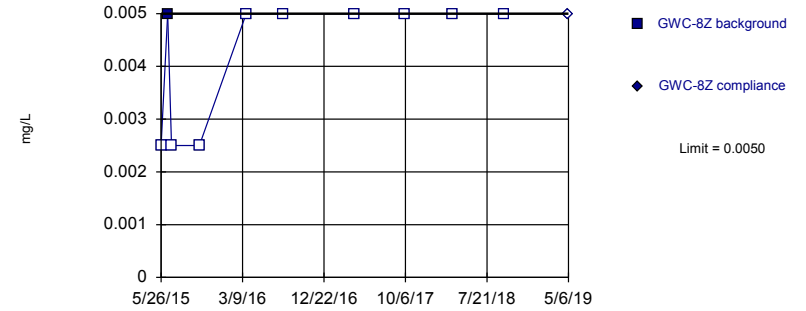


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 5) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Vanadium Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

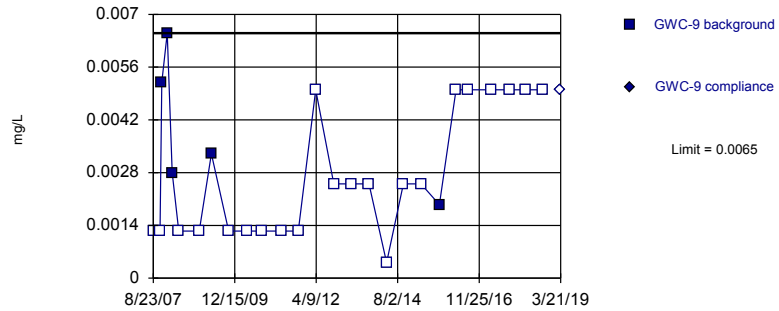


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

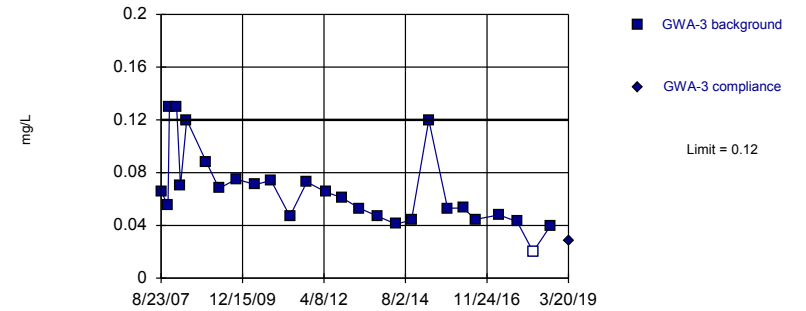


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.2529, Std. Dev.=0.05307, n=27, 3.704% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9211, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
8/2/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	0.005 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.01	
8/2/2016	<0.01	
4/7/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.0025	
11/1/2007	<0.0025	
11/19/2007	0.0052	
1/15/2008	0.0065	
3/6/2008	0.0028	
5/13/2008	<0.0025	
12/12/2008	<0.0025	
4/16/2009	0.0033	
10/13/2009	<0.0025	
4/21/2010	<0.0025	
9/29/2010	<0.0025	
4/13/2011	<0.0025	
10/5/2011	<0.0025	
4/4/2012	<0.01	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.000825	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.00195 (D)	
3/30/2016	<0.01	
8/5/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		<0.01

# Prediction Limit

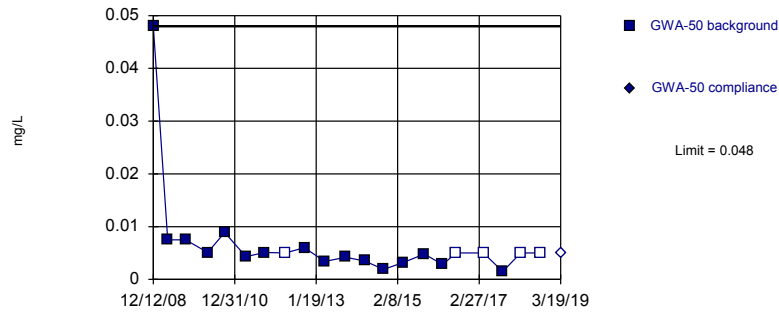
Constituent: Zinc (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.066	
11/2/2007	0.055	
11/18/2007	0.13	
1/31/2008	0.13	
3/11/2008	0.07	
5/14/2008	0.12	
12/5/2008	0.088	
4/15/2009	0.068	
10/8/2009	0.075	
4/28/2010	0.071	
10/6/2010	0.074	
4/21/2011	0.047	
10/13/2011	0.073	
5/1/2012	0.0652	
10/9/2012	0.061	
4/11/2013	0.053	
10/16/2013	0.047	
4/23/2014	0.041	
10/4/2014	0.044 (V)	
3/31/2015	0.12	
10/12/2015	0.053	
3/23/2016	0.0532	
7/29/2016	0.0446	
3/30/2017	0.0479	
10/4/2017	0.0429	
3/19/2018	<0.04	
9/17/2018	0.04	
3/20/2019		0.028

Within Limit

Prediction Limit  
Intrawell Non-parametric

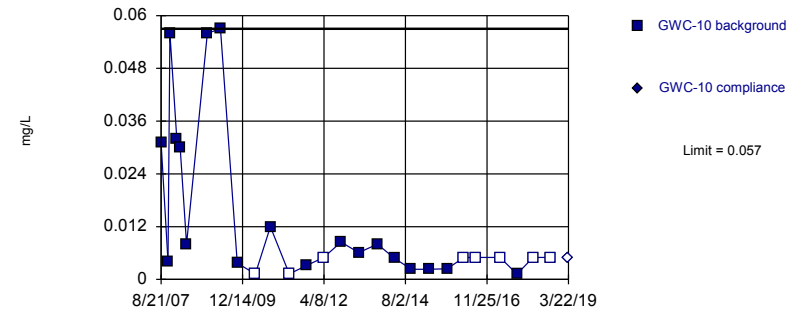


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 23.81% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Constituent: Zinc Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

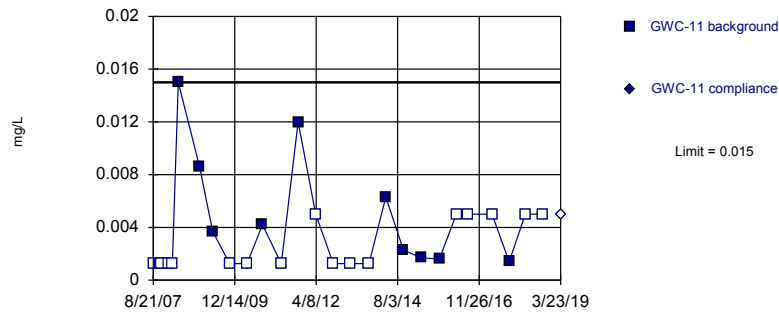


Non-parametric test used after natural log transformation resulted in a parametric limit of 2.44, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 27 background values. 29.63% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Zinc Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

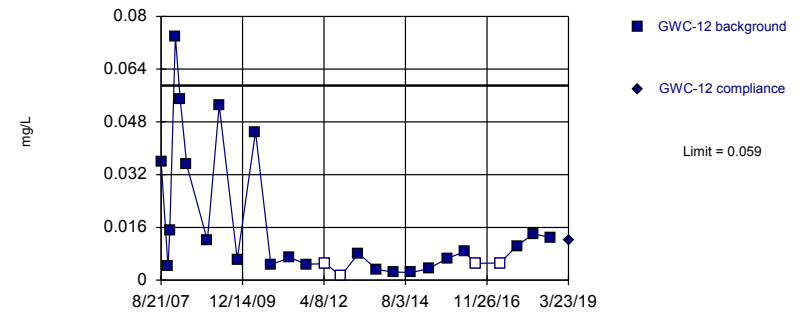


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 62.96% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Zinc Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-4.698, Std. Dev.=1.074, n=27, 14.81% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.947, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	0.048 (J)	
4/23/2009	0.0075	
10/6/2009	0.0075	
4/27/2010	0.0051	
9/30/2010	0.0089	
4/14/2011	0.0043	
10/5/2011	0.0051	
4/11/2012	<0.01	
10/2/2012	0.006	
4/9/2013	0.0034	
10/15/2013	0.0042	
4/10/2014	0.0035	
10/1/2014	0.0019 (J)	
3/30/2015	0.0032	
10/11/2015	0.0048	
3/28/2016	0.00282 (J)	
8/1/2016	<0.01 (*)	
4/7/2017	<0.01 (*)	
10/2/2017	0.0015 (J)	
3/16/2018	<0.01	
9/17/2018	<0.01	
3/19/2019		<0.01



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	0.031	
11/1/2007	0.0041	
11/20/2007	0.056	
1/30/2008	0.032	
3/6/2008	0.03	
5/12/2008	0.008	
12/13/2008	0.056	
4/29/2009	0.057	
10/20/2009	0.0037	
4/26/2010	<0.0025	
9/29/2010	0.012	
4/13/2011	<0.0025	
10/5/2011	0.0031	
4/4/2012	<0.01	
10/3/2012	0.0085	
4/3/2013	0.0061	
10/15/2013	0.008	
4/9/2014	0.0048	
10/2/2014	0.0023 (JV)	
4/2/2015	0.0023 (J)	
10/10/2015	0.0024 (J)	
3/31/2016	<0.01	
8/5/2016	<0.01 (*)	
4/10/2017	<0.01	
10/4/2017	0.0012 (J)	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/18/2007	<0.0025	
1/30/2008	<0.0025	
3/5/2008	<0.0025	
5/7/2008	0.015	
12/14/2008	0.0086 (J)	
4/29/2009	0.0037	
10/22/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	0.0042	
4/12/2011	<0.0025	
10/4/2011	0.012	
4/3/2012	<0.01	
10/3/2012	<0.0025	
4/3/2013	<0.0025	
10/9/2013	<0.0025	
4/2/2014	0.0063	
10/2/2014	0.0023 (J)	
4/1/2015	0.0017 (J)	
10/11/2015	0.0016 (J)	
4/4/2016	<0.01	
8/3/2016	<0.01 (*)	
4/10/2017	<0.01	
10/4/2017	0.0014 (J)	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01

# Prediction Limit

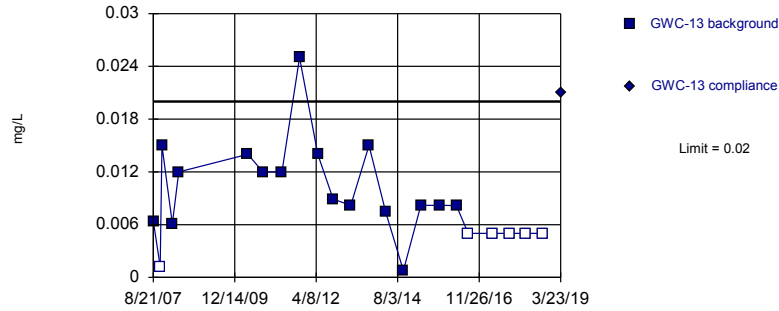
Constituent: Zinc (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	0.036	
11/1/2007	0.0041	
11/19/2007	0.015	
1/16/2008	0.074	
3/5/2008	0.055	
5/13/2008	0.035	
12/13/2008	0.012 (J)	
4/16/2009	0.053	
10/21/2009	0.0063	
4/27/2010	0.045	
10/5/2010	0.0047	
4/19/2011	0.0068	
10/12/2011	0.0048	
4/24/2012	<0.01	
10/2/2012	<0.0025	
4/2/2013	0.0081	
10/9/2013	0.0032	
4/1/2014	0.0025 (J)	
10/2/2014	0.0023 (J)	
4/1/2015	0.0035	
10/14/2015	0.0066	
4/4/2016	0.00858 (J)	
8/3/2016	<0.0102 (*)	
4/11/2017	<0.0104 (*)	
10/4/2017	0.0104	
3/22/2018	0.014	
9/18/2018	0.013	
3/23/2019		0.012

Exceeds Limit

Prediction Limit  
Intrawell Parametric

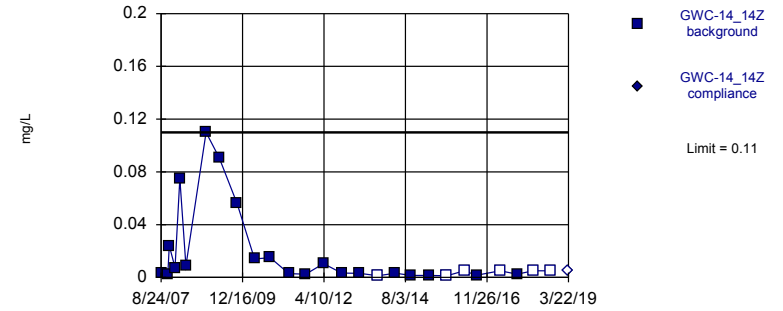


Background Data Summary (after Aitchison's Adjustment): Mean=0.007885, Std. Dev.=0.006573, n=23, 26.09% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9131, critical = 0.881. Kappa = 1.789 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

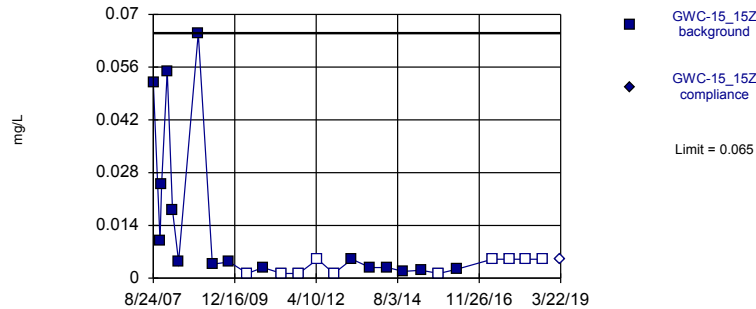


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 22.22% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Zinc Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

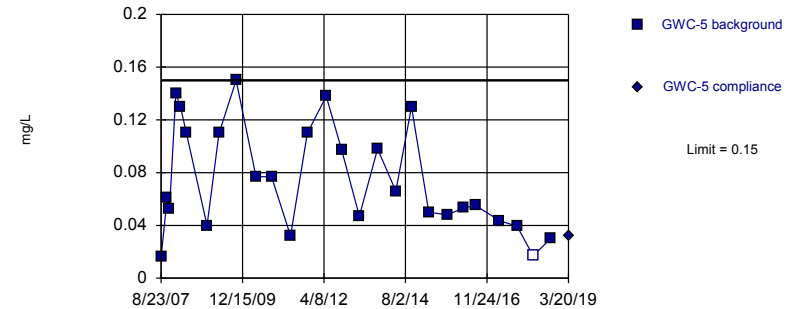


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 38.46% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Zinc Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.07475, Std. Dev.=0.04045, n=27, 3.704% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9238, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.0064	
11/1/2007	<0.0025	
11/19/2007	0.015	
1/31/2008	0.032 (o)	
3/5/2008	0.0061	
5/12/2008	0.012	
12/13/2008	0.087 (o)	
4/28/2009	0.067 (o)	
10/21/2009	0.025 (o)	
4/28/2010	0.014	
10/5/2010	0.012	
4/19/2011	0.012	
10/18/2011	0.025	
4/25/2012	0.014	
10/2/2012	0.0089	
4/2/2013	0.0082	
10/8/2013	0.015	
4/1/2014	0.0074	
10/1/2014	0.00077 (J)	
4/1/2015	0.0082	
10/15/2015	0.0082	
4/4/2016	0.00818 (J)	
8/4/2016	<0.01 (*)	
4/12/2017	<0.01 (*)	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	<0.01	
3/23/2019		0.021

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	0.0036 (J)	
11/2/2007	0.0026 (J)	
11/17/2007	0.024	
1/15/2008	0.0074	
3/5/2008	0.075	
5/7/2008	0.0088	
12/2/2008	0.11	
4/16/2009	0.091	
10/20/2009	0.056	
4/20/2010	0.014	
9/29/2010	0.015	
4/12/2011	0.0028	
10/4/2011	0.0025	
4/4/2012	0.0105	
10/10/2012	0.0033	
4/15/2013	0.0031	
10/22/2013	<0.0025	
4/21/2014	0.0032	
9/30/2014	0.0015 (J)	
4/3/2015	0.0015 (J)	
10/7/2015	<0.0025	
4/5/2016	<0.01	
8/9/2016	0.0016 (J)	
4/11/2017	<0.01 (*)	
10/5/2017	0.0024 (J)	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	0.052	
11/2/2007	0.01 (J)	
11/18/2007	0.025 (J)	
1/15/2008	0.055	
3/10/2008	0.018	
5/13/2008	0.0044	
12/2/2008	0.065	
4/28/2009	0.0037 (J)	
10/20/2009	0.0043	
4/27/2010	<0.0025	
10/5/2010	0.0028	
4/19/2011	<0.0025	
10/12/2011	<0.0025	
4/25/2012	<0.01	
10/10/2012	<0.0025	
4/16/2013	0.005	
10/22/2013	0.0028	
4/21/2014	0.0028	
9/30/2014	0.0018 (J)	
4/3/2015	0.0021 (J)	
10/6/2015	<0.0025	
4/5/2016	0.00233 (J)	
4/11/2017	<0.01 (*)	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

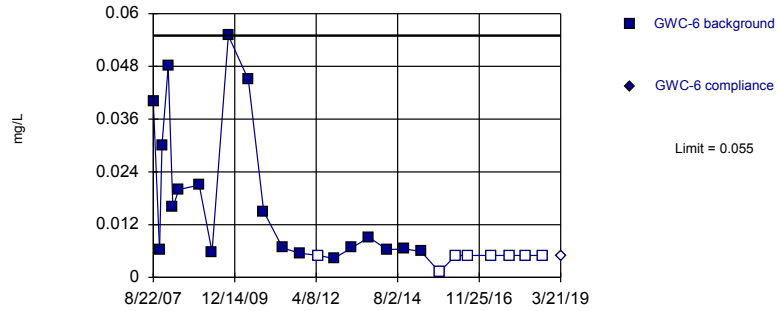
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.016	
10/25/2007	0.061	
11/19/2007	0.053	
1/23/2008	0.14	
3/11/2008	0.13	
5/12/2008	0.11	
12/11/2008	0.04 (J)	
4/15/2009	0.11	
10/9/2009	0.15	
5/4/2010	0.077	
10/12/2010	0.077	
4/28/2011	0.032	
10/19/2011	0.11	
5/2/2012	0.138	
10/9/2012	0.097	
4/11/2013	0.047	
10/16/2013	0.098	
4/23/2014	0.066	
10/3/2014	0.13 (V)	
3/31/2015	0.05	
10/12/2015	0.048	
3/28/2016	0.0534	
8/1/2016	0.055	
4/3/2017	0.0436	
10/3/2017	0.0393	
3/19/2018	<0.034	
9/17/2018	0.03	
3/20/2019		0.032



Within Limit

Prediction Limit  
Intrawell Non-parametric

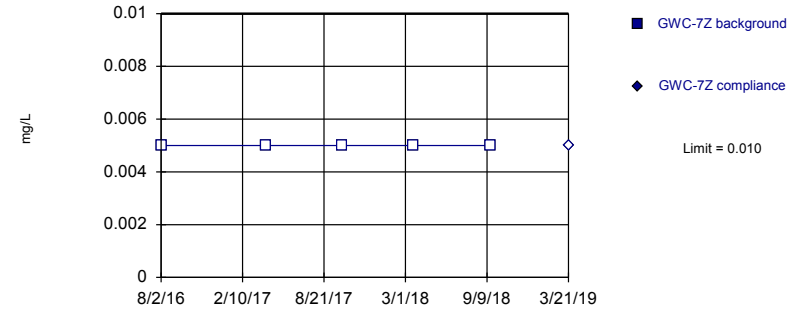


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 29.63% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Zinc Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

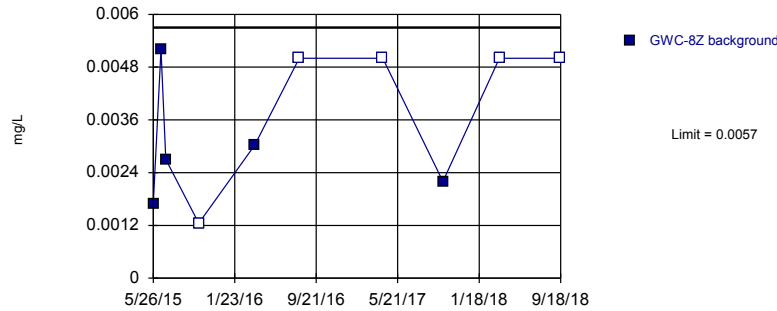
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 5) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Zinc Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

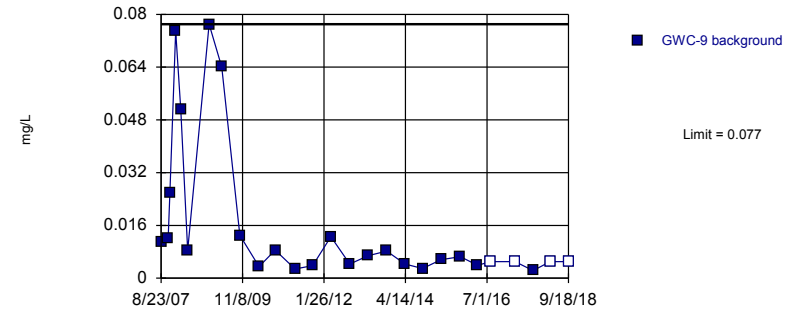
Prediction Limit  
Intrawell Parametric, GWC-8Z



Background Data Summary (after Aitchison's Adjustment): Mean=0.001482, Std. Dev.=0.001802, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8217, critical = 0.781. Kappa = 2.329 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Zinc Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-9



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 14.81% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3). Assumes 1 future value.

Constituent: Zinc Analysis Run 8/28/2019 9:11 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	0.04	
10/25/2007	0.0062	
11/20/2007	0.03	
1/23/2008	0.048	
3/11/2008	0.016	
5/14/2008	0.02	
12/11/2008	0.021 (J)	
4/23/2009	0.0058 (J)	
10/9/2009	0.055	
5/4/2010	0.045	
10/11/2010	0.015	
4/26/2011	0.0067	
10/18/2011	0.0055	
5/2/2012	<0.01	
10/8/2012	0.0043	
4/10/2013	0.0067	
10/8/2013	0.0091	
4/14/2014	0.0063	
10/3/2014	0.0065 (V)	
4/1/2015	0.0059	
10/9/2015	<0.0025	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	<0.01 (*)	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
8/2/2016	<0.01 (*)	
4/6/2017	<0.01 (*)	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z
5/26/2015	0.0017 (J)
6/18/2015	0.0052 (D)
7/2/2015	0.0027
10/8/2015	<0.0025
3/22/2016	0.00302 (J)
8/2/2016	<0.01 (*)
4/7/2017	<0.01 (*)
10/3/2017	0.0022 (J)
3/20/2018	<0.01
9/18/2018	<0.01
5/6/2019	0.0024 (X)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 9:15 AM View: 1&2 overburden metals 1of3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9
8/23/2007	0.011
11/1/2007	0.012
11/19/2007	0.026 (J)
1/15/2008	0.075
3/6/2008	0.051
5/13/2008	0.0084
12/12/2008	0.077
4/16/2009	0.064
10/13/2009	0.013
4/21/2010	0.0035
9/29/2010	0.0085
4/13/2011	0.0028
10/5/2011	0.0038
4/4/2012	0.0126
10/8/2012	0.0043
4/8/2013	0.0068
10/9/2013	0.0082
4/9/2014	0.0043
9/30/2014	0.0029
4/2/2015	0.0056
10/10/2015	0.0065 (D)
3/30/2016	0.00388 (J)
8/5/2016	<0.01 (*)
4/6/2017	<0.01 (*)
10/3/2017	0.0023 (J)
3/20/2018	<0.01
9/18/2018	<0.01 (D)
3/21/2019	0.0024 (X)

# Intrawell Prediction Limit Summary Table – Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/23/2019, 2:43 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
<b>Barium (mg/L)</b>	<b>GWA-4RZ</b>	<b>0.035</b>	<b>n/a</b>	<b>3/21/2019</b>	<b>0.04</b>	<b>Yes</b>	<b>11</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 2

# Intrawell Prediction Limit Summary Table – All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/23/2019, 2:43 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.017	n/a	3/20/2019	0.0015ND	No	32	46.88	n/a	0.001803	NP (normality) 1 of 2
Antimony (mg/L)	GWA-2	0.0030	n/a	3/20/2019	0.0015ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-2R	0.021	n/a	n/a	1 future	n/a	32	53.13	n/a	0.001803	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-50R	0.0030	n/a	3/19/2019	0.0015ND	No	26	100	n/a	0.002667	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-10R	0.0037	n/a	3/22/2019	0.0015ND	No	32	93.75	n/a	0.001803	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-11R	0.0087	n/a	3/23/2019	0.0015ND	No	32	78.13	n/a	0.001803	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-15R	0.011	n/a	3/25/2019	0.0015ND	No	32	53.13	n/a	0.001803	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-6RZ	0.036	n/a	3/21/2019	0.0015ND	No	15	80	n/a	0.007533	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-8RR	0.0025	n/a	3/27/2019	0.0015ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-4RZ	0.0018	n/a	3/21/2019	0.0015ND	No	11	63.64	n/a	0.01276	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-13R_13RZ	0.018	n/a	n/a	1 future	n/a	32	50	n/a	0.001803	NP (normality) 1 of 2
Arsenic (mg/L)	GWA-1	0.0025	n/a	3/20/2019	0.0025ND	No	32	93.75	n/a	0.001803	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-2	0.012	n/a	3/20/2019	0.0025ND	No	32	96.88	n/a	0.001803	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-2R	0.0056	n/a	3/19/2019	0.0025ND	No	32	78.13	n/a	0.001803	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-50R	0.012	n/a	3/19/2019	0.0025ND	No	26	96.15	n/a	0.002667	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-10R	0.0050	n/a	3/22/2019	0.0025ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-11R	0.0077	n/a	n/a	1 future	n/a	32	50	n/a	0.001803	NP (normality) 1 of 2
Arsenic (mg/L)	GWC-15R	0.0025	n/a	3/25/2019	0.0025ND	No	32	93.75	n/a	0.001803	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-6RZ	0.0050	n/a	3/21/2019	0.0025ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-8RR	0.0029	n/a	3/27/2019	0.0025ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-4RZ	0.0024	n/a	3/21/2019	0.0025ND	No	11	27.27	No	0.000...	Param 1 of 2
Arsenic (mg/L)	GWC-13R_13RZ	0.020	n/a	n/a	1 future	n/a	32	62.5	n/a	0.001803	NP (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.15	n/a	3/20/2019	0.019	No	32	0	n/a	0.001803	NP (normality) 1 of 2
Barium (mg/L)	GWA-2	0.13	n/a	n/a	1 future	n/a	32	0	ln(x)	0.000...	Param 1 of 2
Barium (mg/L)	GWA-2R	0.025	n/a	3/19/2019	0.024	No	30	0	x^(1/3)	0.000...	Param 1 of 2
Barium (mg/L)	GWA-50R	0.022	n/a	3/19/2019	0.013	No	23	0	No	0.000...	Param 1 of 2
Barium (mg/L)	GWC-10R	0.035	n/a	3/22/2019	0.022	No	32	0	No	0.000...	Param 1 of 2
Barium (mg/L)	GWC-11R	0.022	n/a	3/23/2019	0.019	No	32	0	No	0.000...	Param 1 of 2
Barium (mg/L)	GWC-15R	0.051	n/a	3/25/2019	0.021	No	32	0	n/a	0.001803	NP (normality) 1 of 2
Barium (mg/L)	GWC-6RZ	0.019	n/a	n/a	1 future	n/a	15	6.667	No	0.000...	Param 1 of 2
Barium (mg/L)	GWC-8RR	0.024	n/a	3/27/2019	0.014	No	20	0	n/a	0.004291	NP (normality) 1 of 2
<b>Barium (mg/L)</b>	<b>GWA-4RZ</b>	<b>0.035</b>	<b>n/a</b>	<b>3/21/2019</b>	<b>0.04</b>	<b>Yes</b>	<b>11</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 2
Beryllium (mg/L)	GWA-1	0.0015	n/a	3/20/2019	0.0015ND	No	14	92.86	n/a	0.008612	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-2	0.0030	n/a	3/20/2019	0.0015ND	No	14	100	n/a	0.008612	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-2R	0.0030	n/a	3/19/2019	0.0015ND	No	14	100	n/a	0.008612	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-50R	0.0015	n/a	3/19/2019	0.0015ND	No	14	92.86	n/a	0.008612	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-10R	0.0030	n/a	3/22/2019	0.0015ND	No	14	100	n/a	0.008612	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-11R	0.0030	n/a	3/23/2019	0.0015ND	No	14	100	n/a	0.008612	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-15R	0.0030	n/a	3/25/2019	0.0015ND	No	14	100	n/a	0.008612	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-6RZ	0.0015	n/a	n/a	1 future	n/a	15	80	n/a	0.007533	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-8RR	0.0015	n/a	3/27/2019	0.0015ND	No	14	92.86	n/a	0.008612	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-4RZ	0.0030	n/a	3/21/2019	0.0015ND	No	11	100	n/a	0.01276	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-13R_13RZ	0.0030	n/a	3/22/2019	0.0015ND	No	14	100	n/a	0.008612	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-1	0.00065	n/a	3/20/2019	0.0005ND	No	32	93.75	n/a	0.001803	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-2	0.0010	n/a	3/20/2019	0.0005ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-2R	0.0010	n/a	3/19/2019	0.0005ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-50R	0.0010	n/a	3/19/2019	0.0005ND	No	26	100	n/a	0.002667	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-10R	0.00065	n/a	3/22/2019	0.0005ND	No	32	96.88	n/a	0.001803	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-11R	0.00065	n/a	3/23/2019	0.0005ND	No	32	93.75	n/a	0.001803	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-15R	0.027	n/a	3/25/2019	0.0005ND	No	32	84.38	n/a	0.001803	NP (NDs) 1 of 2

# Intrawell Prediction Limit Summary Table – All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/23/2019, 2:43 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Cadmium (mg/L)	GWC-6RZ	0.0010	n/a	3/21/2019	0.0005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-8RR	0.0010	n/a	3/27/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-4RZ	0.0010	n/a	3/21/2019	0.0005ND	No	11	100	n/a	0.01276	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-13R_13RZ	0.0010	n/a	3/22/2019	0.0005ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.11	n/a	3/20/2019	0.005ND	No	32	65.63	n/a	0.001803	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.059	n/a	3/20/2019	0.005ND	No	32	59.38	n/a	0.001803	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-2R	0.012	n/a	3/19/2019	0.005ND	No	31	83.87	n/a	0.001905	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-50R	0.0050	n/a	3/19/2019	0.005ND	No	26	61.54	n/a	0.002667	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-10R	0.036	n/a	3/22/2019	0.005ND	No	32	75	n/a	0.001803	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-11R	0.051	n/a	n/a	1 future	n/a	32	3.125	sqrt(x)	0.000...	Param 1 of 2
Chromium (mg/L)	GWC-15R	0.031	n/a	3/25/2019	0.005ND	No	32	62.5	n/a	0.001803	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-6RZ	0.0050	n/a	n/a	1 future	n/a	15	33.33	n/a	0.007533	NP (normality) 1 of 2
Chromium (mg/L)	GWC-8RR	0.023	n/a	n/a	1 future	n/a	20	65	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-4RZ	0.010	n/a	3/21/2019	0.005ND	No	11	100	n/a	0.01276	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-13R_13RZ	0.019	n/a	3/22/2019	0.005ND	No	32	71.88	n/a	0.001803	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.0050	n/a	n/a	1 future	n/a	32	87.5	n/a	0.001803	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.013	n/a	3/20/2019	0.005ND	No	32	90.63	n/a	0.001803	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-2R	0.010	n/a	3/19/2019	0.005ND	No	31	100	n/a	0.001905	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-50R	0.0050	n/a	3/19/2019	0.005ND	No	26	76.92	n/a	0.002667	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-10R	0.010	n/a	3/22/2019	0.005ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-11R	0.11	n/a	3/23/2019	0.005ND	No	32	90.63	n/a	0.001803	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-15R	0.0050	n/a	3/25/2019	0.005ND	No	32	93.75	n/a	0.001803	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-6RZ	0.010	n/a	3/21/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-8RR	0.0050	n/a	3/27/2019	0.005ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-4RZ	0.022	n/a	3/21/2019	0.022	No	11	9.091	No	0.000...	Param 1 of 2
Cobalt (mg/L)	GWC-13R_13RZ	0.0079	n/a	3/22/2019	0.005ND	No	32	96.88	n/a	0.001803	NP (NDs) 1 of 2
Copper (mg/L)	GWA-1	0.013	n/a	3/20/2019	0.0125ND	No	27	55.56	n/a	0.002502	NP (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.013	n/a	3/20/2019	0.0125ND	No	27	70.37	n/a	0.002502	NP (NDs) 1 of 2
Copper (mg/L)	GWA-2R	0.013	n/a	3/19/2019	0.0125ND	No	26	69.23	n/a	0.002667	NP (NDs) 1 of 2
Copper (mg/L)	GWA-50R	0.034	n/a	n/a	1 future	n/a	20	5	No	0.000...	Param 1 of 2
Copper (mg/L)	GWC-10R	0.013	n/a	3/22/2019	0.0125ND	No	27	81.48	n/a	0.002502	NP (NDs) 1 of 2
Copper (mg/L)	GWC-11R	0.013	n/a	3/23/2019	0.0125ND	No	26	76.92	n/a	0.002667	NP (NDs) 1 of 2
Copper (mg/L)	GWC-15R	0.013	n/a	3/25/2019	0.0125ND	No	26	73.08	n/a	0.002667	NP (NDs) 1 of 2
Copper (mg/L)	GWC-6RZ	0.025	n/a	3/21/2019	0.0125ND	No	10	100	n/a	0.01476	NP (NDs) 1 of 2
Copper (mg/L)	GWC-8RR	0.013	n/a	3/27/2019	0.0125ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-4RZ	0.013	n/a	3/21/2019	0.0125ND	No	4	75	n/a	0.06138	NP (NDs) 1 of 2
Copper (mg/L)	GWC-13R_13RZ	0.013	n/a	3/22/2019	0.0125ND	No	26	80.77	n/a	0.002667	NP (NDs) 1 of 2
Lead (mg/L)	GWA-1	0.0065	n/a	3/20/2019	0.0025ND	No	32	81.25	n/a	0.001803	NP (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.0065	n/a	3/20/2019	0.0025ND	No	32	96.88	n/a	0.001803	NP (NDs) 1 of 2
Lead (mg/L)	GWA-2R	0.0050	n/a	3/19/2019	0.0025ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Lead (mg/L)	GWA-50R	0.0065	n/a	3/19/2019	0.0025ND	No	26	96.15	n/a	0.002667	NP (NDs) 1 of 2
Lead (mg/L)	GWC-10R	0.0050	n/a	3/22/2019	0.0025ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Lead (mg/L)	GWC-11R	0.0050	n/a	3/23/2019	0.0025ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Lead (mg/L)	GWC-15R	0.0065	n/a	n/a	1 future	n/a	32	81.25	n/a	0.001803	NP (NDs) 1 of 2
Lead (mg/L)	GWC-6RZ	0.0065	n/a	3/21/2019	0.0025ND	No	15	86.67	n/a	0.007533	NP (NDs) 1 of 2
Lead (mg/L)	GWC-8RR	0.0065	n/a	3/27/2019	0.0025ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-4RZ	0.0025	n/a	3/21/2019	0.0025ND	No	11	90.91	n/a	0.01276	NP (NDs) 1 of 2
Lead (mg/L)	GWC-13R_13RZ	0.0065	n/a	3/22/2019	0.0025ND	No	32	96.88	n/a	0.001803	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-1	0.00050	n/a	3/20/2019	0.00025ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-2	0.00030	n/a	3/20/2019	0.00025ND	No	32	96.88	n/a	0.001803	NP (NDs) 1 of 2



## Intrawell Prediction Limit Summary Table – All Results

Plant Bowen Client: Southern Company Data: Bowen 1&amp;2 CCR Printed 8/23/2019, 2:43 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Mercury (mg/L)	GWA-2R	0.00050	n/a	3/19/2019	0.00025ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-50R	0.00050	n/a	3/19/2019	0.00025ND	No	26	100	n/a	0.002667	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-10R	0.00050	n/a	3/22/2019	0.00025ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-11R	0.00050	n/a	3/23/2019	0.00025ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-15R	0.00030	n/a	3/25/2019	0.00025ND	No	32	96.88	n/a	0.001803	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-6RZ	0.00050	n/a	3/21/2019	0.00025ND	No	16	100	n/a	0.006456	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-8RR	0.00025	n/a	3/27/2019	0.00025ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-4RZ	0.00050	n/a	3/21/2019	0.00025ND	No	11	100	n/a	0.01276	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-13R_13RZ	0.00030	n/a	3/22/2019	0.00025ND	No	32	96.88	n/a	0.001803	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.11	n/a	3/20/2019	0.005ND	No	27	70.37	n/a	0.002502	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.043	n/a	3/20/2019	0.005ND	No	27	62.96	n/a	0.002502	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-2R	0.054	n/a	3/19/2019	0.005ND	No	27	81.48	n/a	0.002502	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-50R	0.014	n/a	n/a	1 future	n/a	21	4.762	sqrt(x)	0.000...	Param 1 of 2
Nickel (mg/L)	GWC-10R	0.0060	n/a	3/22/2019	0.005ND	No	26	88.46	n/a	0.002667	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-11R	0.0050	n/a	3/23/2019	0.005ND	No	27	92.59	n/a	0.002502	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-15R	0.0056	n/a	n/a	1 future	n/a	24	75	n/a	0.003124	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-6RZ	0.010	n/a	3/21/2019	0.005ND	No	10	100	n/a	0.01476	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-8RR	0.0050	n/a	3/27/2019	0.005ND	No	15	86.67	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-4RZ	0.010	n/a	3/21/2019	0.005ND	No	4	100	n/a	0.06138	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-13R_13RZ	0.0050	n/a	3/22/2019	0.005ND	No	25	80	n/a	0.002832	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-1	0.010	n/a	3/20/2019	0.005ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-2	0.0065	n/a	3/20/2019	0.005ND	No	32	90.63	n/a	0.001803	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-2R	0.010	n/a	3/19/2019	0.005ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-50R	0.010	n/a	3/19/2019	0.005ND	No	26	100	n/a	0.002667	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-10R	0.010	n/a	3/22/2019	0.005ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-11R	0.010	n/a	3/23/2019	0.005ND	No	32	100	n/a	0.001803	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-15R	0.0065	n/a	3/25/2019	0.005ND	No	32	96.88	n/a	0.001803	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-6RZ	0.010	n/a	3/21/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-8RR	0.010	n/a	3/27/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-4RZ	0.010	n/a	3/21/2019	0.005ND	No	11	100	n/a	0.01276	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-13R_13RZ	0.0065	n/a	3/22/2019	0.005ND	No	32	87.5	n/a	0.001803	NP (NDs) 1 of 2
Silver (mg/L)	GWA-1	0.010	n/a	3/20/2019	0.005ND	No	27	100	n/a	0.002502	NP (NDs) 1 of 2
Silver (mg/L)	GWA-2	0.010	n/a	3/20/2019	0.005ND	No	27	100	n/a	0.002502	NP (NDs) 1 of 2
Silver (mg/L)	GWA-2R	0.010	n/a	3/19/2019	0.005ND	No	27	100	n/a	0.002502	NP (NDs) 1 of 2
Silver (mg/L)	GWA-50R	0.0085	n/a	n/a	1 future	n/a	21	38.1	sqrt(x)	0.000...	Param 1 of 2
Silver (mg/L)	GWC-10R	0.010	n/a	3/22/2019	0.005ND	No	27	100	n/a	0.002502	NP (NDs) 1 of 2
Silver (mg/L)	GWC-11R	0.010	n/a	3/23/2019	0.005ND	No	27	100	n/a	0.002502	NP (NDs) 1 of 2
Silver (mg/L)	GWC-15R	0.010	n/a	3/25/2019	0.005ND	No	27	100	n/a	0.002502	NP (NDs) 1 of 2
Silver (mg/L)	GWC-6RZ	0.010	n/a	3/21/2019	0.005ND	No	10	100	n/a	0.01476	NP (NDs) 1 of 2
Silver (mg/L)	GWC-8RR	0.010	n/a	3/27/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWA-4RZ	0.010	n/a	3/21/2019	0.005ND	No	4	100	n/a	0.06138	NP (NDs) 1 of 2
Silver (mg/L)	GWC-13R_13RZ	0.0050	n/a	3/22/2019	0.005ND	No	26	96.15	n/a	0.002667	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-1	0.0010	n/a	3/20/2019	0.0005ND	No	12	100	n/a	0.01077	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-2	0.0010	n/a	3/20/2019	0.0005ND	No	12	100	n/a	0.01077	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-2R	0.00050	n/a	3/19/2019	0.0005ND	No	13	92.31	n/a	0.009692	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-50R	0.0010	n/a	3/19/2019	0.0005ND	No	12	100	n/a	0.01077	NP (NDs) 1 of 2
Thallium (mg/L)	GWC-10R	0.00050	n/a	3/22/2019	0.0005ND	No	12	91.67	n/a	0.01077	NP (NDs) 1 of 2
Thallium (mg/L)	GWC-11R	0.00050	n/a	3/23/2019	0.0005ND	No	12	91.67	n/a	0.01077	NP (NDs) 1 of 2
Thallium (mg/L)	GWC-15R	0.0010	n/a	3/25/2019	0.0005ND	No	12	100	n/a	0.01077	NP (NDs) 1 of 2
Thallium (mg/L)	GWC-6RZ	0.0010	n/a	3/21/2019	0.0005ND	No	12	100	n/a	0.01077	NP (NDs) 1 of 2

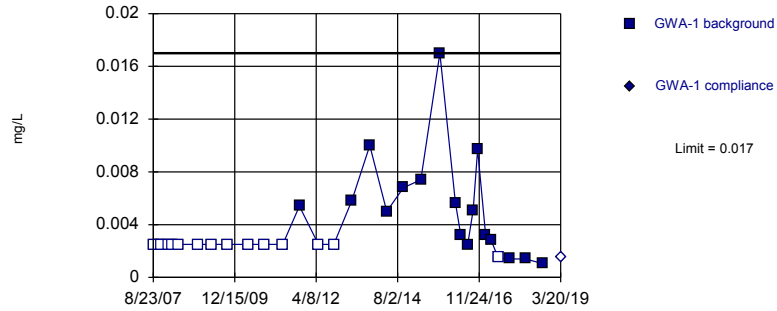
# Intrawell Prediction Limit Summary Table – All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/23/2019, 2:43 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Thallium (mg/L)	GWC-8RR	0.0010	n/a	3/27/2019	0.0005ND	No	12	100	n/a	0.01077	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-4RZ	0.0010	n/a	3/21/2019	0.0005ND	No	11	100	n/a	0.01276	NP (NDs) 1 of 2
Thallium (mg/L)	GWC-13R_13RZ	0.00050	n/a	3/22/2019	0.0005ND	No	12	91.67	n/a	0.01077	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-1	0.0099	n/a	3/20/2019	0.005ND	No	27	88.89	n/a	0.002502	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.016	n/a	3/20/2019	0.005ND	No	27	77.78	n/a	0.002502	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-2R	0.0078	n/a	3/19/2019	0.005ND	No	27	88.89	n/a	0.002502	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-50R	0.0065	n/a	3/19/2019	0.005ND	No	21	66.67	n/a	0.003999	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-10R	0.010	n/a	3/22/2019	0.005ND	No	27	100	n/a	0.002502	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-11R	0.027	n/a	3/23/2019	0.005ND	No	27	44.44	x^(1/3)	0.000...	Param 1 of 2
Vanadium (mg/L)	GWC-15R	0.010	n/a	3/25/2019	0.005ND	No	27	100	n/a	0.002502	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-6RZ	0.010	n/a	3/21/2019	0.005ND	No	10	100	n/a	0.01476	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-8RR	0.0056	n/a	3/27/2019	0.005ND	No	15	86.67	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-4RZ	0.010	n/a	3/21/2019	0.005ND	No	4	100	n/a	0.06138	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-13R_13RZ	0.023	n/a	3/22/2019	0.005ND	No	26	57.69	n/a	0.002667	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.061	n/a	3/20/2019	0.005ND	No	27	25.93	n/a	0.002502	NP (xform) 1 of 2
Zinc (mg/L)	GWA-2	0.081	n/a	3/20/2019	0.005ND	No	27	44.44	n/a	0.002502	NP (xform) 1 of 2
Zinc (mg/L)	GWA-2R	0.021	n/a	3/19/2019	0.005ND	No	26	46.15	sqrt(x)	0.000...	Param 1 of 2
Zinc (mg/L)	GWA-50R	0.12	n/a	3/19/2019	0.005ND	No	21	19.05	x^(1/3)	0.000...	Param 1 of 2
Zinc (mg/L)	GWC-10R	0.011	n/a	3/22/2019	0.005ND	No	27	40.74	No	0.000...	Param 1 of 2
Zinc (mg/L)	GWC-11R	0.017	n/a	3/23/2019	0.005ND	No	26	50	n/a	0.002667	NP (normality) 1 of 2
Zinc (mg/L)	GWC-15R	0.011	n/a	n/a	1 future	n/a	25	20	No	0.000...	Param 1 of 2
Zinc (mg/L)	GWC-6RZ	0.0091	n/a	3/21/2019	0.005ND	No	10	40	No	0.000...	Param 1 of 2
Zinc (mg/L)	GWC-8RR	0.012	n/a	3/27/2019	0.005ND	No	15	46.67	No	0.000...	Param 1 of 2
Zinc (mg/L)	GWA-4RZ	0.010	n/a	n/a	1 future	n/a	4	100	n/a	0.06138	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-13R_13RZ	0.01	n/a	n/a	1 future	n/a	23	30.43	No	0.000...	Param 1 of 2

Within Limit

Prediction Limit  
Intrawell Non-parametric

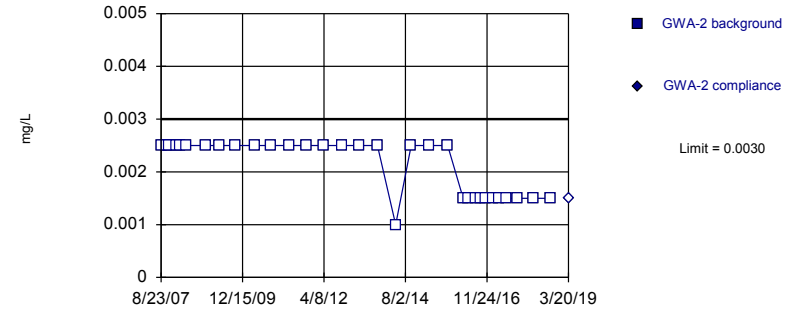


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 46.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

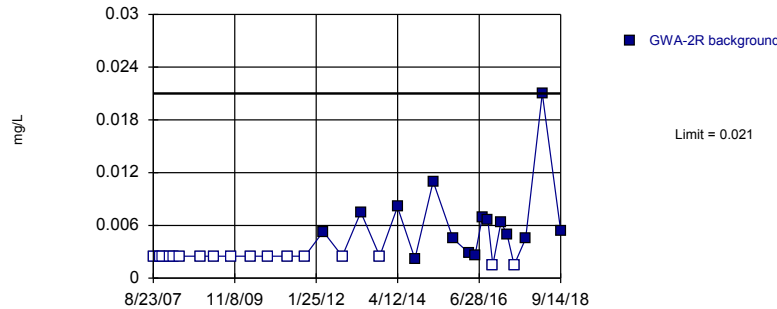


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWA-2R (bg)

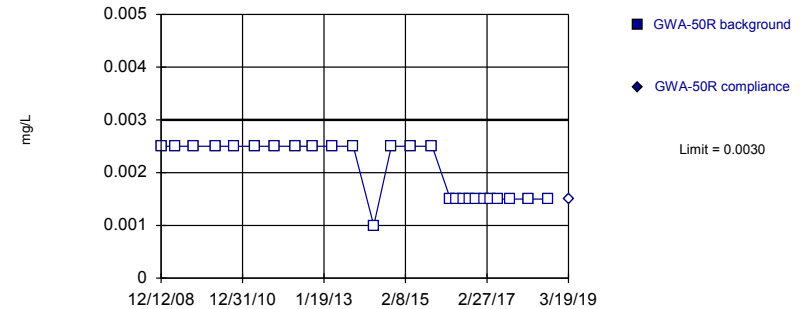


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2). Assumes 1 future value.

Constituent: Antimony Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 26) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	<0.005	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	0.0054	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	0.0058	
10/16/2013	0.01	
4/11/2014	0.005 (J)	
9/30/2014	0.0068	
3/30/2015	0.0074	
10/13/2015	0.017	
3/22/2016	0.00567	
5/19/2016	0.00319	
7/29/2016	0.0025 (J)	
9/23/2016	0.0051	
11/9/2016	0.0097 (J)	
1/30/2017	0.0032	
3/30/2017	0.0028 (J)	
6/9/2017	<0.003 (*)	
10/2/2017	0.0014 (J)	
3/16/2018	0.0014 (J)	
9/17/2018	0.00105 (JD)	
3/20/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/6/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.002	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.003	
5/20/2016	<0.003	
7/29/2016	<0.003	
9/23/2016	<0.003	
11/9/2016	<0.003 (*)	
1/31/2017	<0.003	
3/30/2017	<0.003	
6/12/2017	<0.003 (*)	
10/2/2017	<0.003	
3/19/2018	<0.003	
9/14/2018	<0.003	
3/20/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R
8/23/2007	<0.005
10/24/2007	<0.005
11/18/2007	<0.005
1/31/2008	<0.005
3/10/2008	<0.005
5/13/2008	<0.005
12/4/2008	<0.005
4/21/2009	<0.005
10/8/2009	<0.005
4/21/2010	<0.005
9/28/2010	<0.005
4/12/2011	<0.005
10/4/2011	<0.005
4/3/2012	0.0053
10/9/2012	<0.005
4/11/2013	0.0075
10/16/2013	<0.005
4/10/2014	0.0081
9/30/2014	0.0022 (J)
3/30/2015	0.011
10/13/2015	0.0045 (J)
3/23/2016	0.00281 (J)
5/19/2016	0.00264 (J)
7/29/2016	0.0069
9/22/2016	0.0066
11/10/2016	<0.003 (*)
1/31/2017	0.0064
4/3/2017	0.0049
6/9/2017	<0.003 (*)
10/2/2017	0.0045
3/16/2018	0.021
9/14/2018	0.0054
3/19/2019	0.0019 (X)

# Prediction Limit

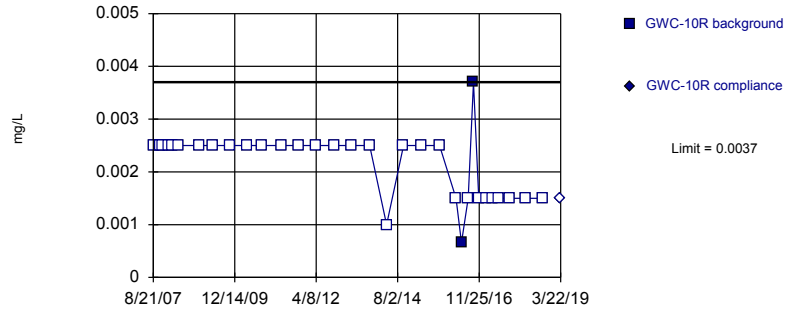
Constituent: Antimony (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
5/3/2010	<0.005	
10/11/2010	<0.005	
4/27/2011	<0.005	
10/19/2011	<0.005	
5/1/2012	<0.005	
10/2/2012	<0.005	
4/10/2013	<0.005	
10/16/2013	<0.005	
4/22/2014	<0.002	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.003	
5/25/2016	<0.003	
8/1/2016	<0.003 (*)	
9/26/2016	<0.003	
11/11/2016	<0.003	
1/30/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/18/2018	<0.003	
3/19/2019		<0.003

Within Limit

Prediction Limit  
Intrawell Non-parametric

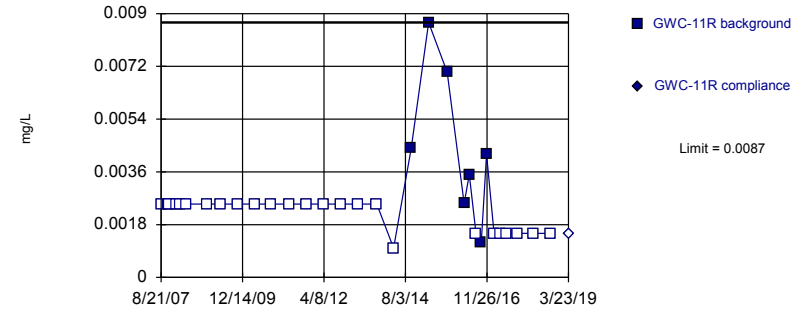


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

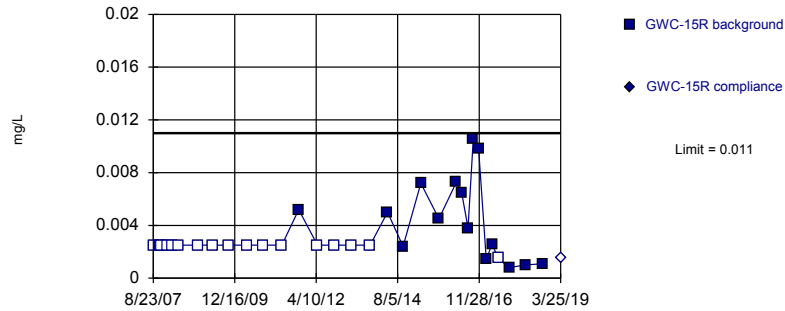


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

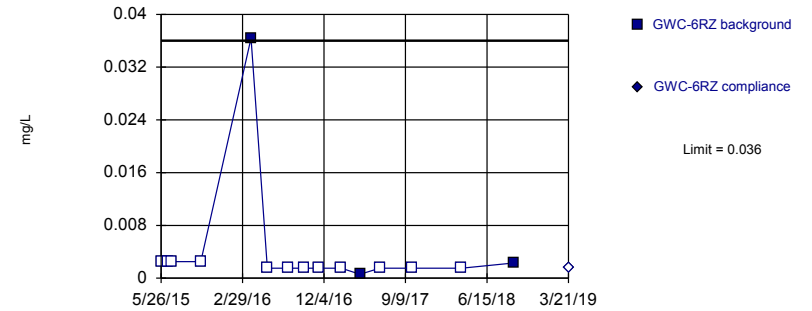


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Antimony Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/8/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.002	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.003	
5/26/2016	0.000659 (J)	
8/3/2016	<0.003 (*)	
9/28/2016	0.0037	
11/22/2016	<0.003	
2/7/2017	<0.003	
4/10/2017	<0.003	
6/14/2017	<0.003 (*)	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/22/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.002	
10/2/2014	0.0044 (J)	
4/1/2015	0.0087	
10/11/2015	0.007	
4/4/2016	0.00252 (J)	
5/26/2016	0.00351	
8/4/2016	<0.003 (*)	
9/28/2016	0.0012 (J)	
11/22/2016	0.0042	
2/8/2017	<0.003	
4/10/2017	<0.003	
6/15/2017	<0.003	
10/4/2017	<0.003	
3/22/2018	<0.003	
9/18/2018	<0.003	
3/23/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	0.0052	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	0.0024 (J)	
4/3/2015	0.0072	
10/7/2015	0.0045 (J)	
4/5/2016	0.00727	
5/31/2016	0.00649	
8/4/2016	0.0038	
9/29/2016	0.0106	
11/23/2016	0.0098	
2/10/2017	0.0014 (J)	
4/12/2017	0.0026 (J)	
6/15/2017	<0.003 (*)	
10/6/2017	0.0008 (J)	
3/23/2018	0.001 (J)	
9/19/2018	0.0011 (J)	
3/25/2019		<0.003

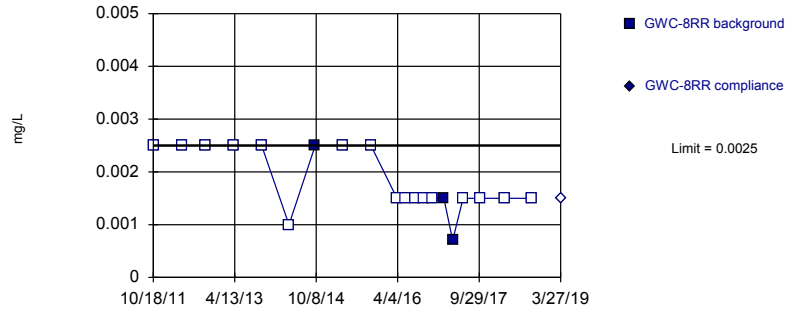
# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	0.0364 (J)	
5/24/2016	<0.003	
8/1/2016	<0.003 (*)	
9/26/2016	<0.003	
11/14/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	0.0006 (J)	
6/13/2017	<0.003 (*)	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/17/2018	0.0023 (J)	
3/21/2019		<0.003

Within Limit

Prediction Limit  
Intrawell Non-parametric

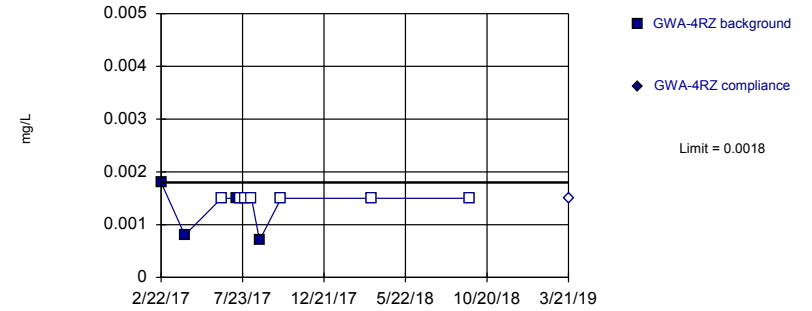


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

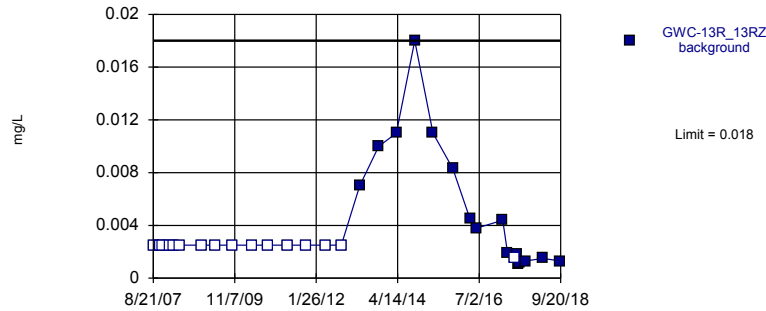
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Antimony Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-13R\_13RZ

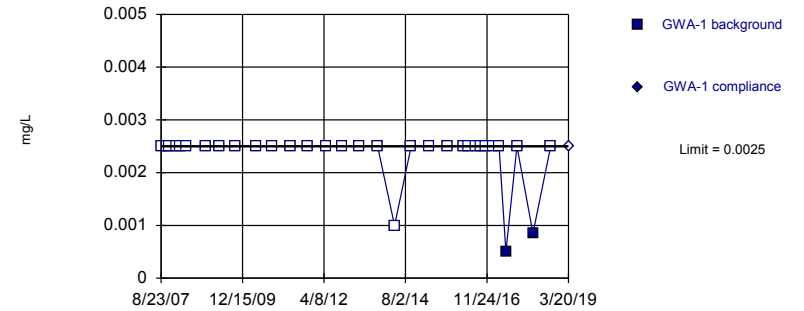


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 50% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2). Assumes 1 future value.

Constituent: Antimony Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.002	
10/2/2014	0.0025 (J)	
4/3/2015	<0.005	
10/8/2015	<0.005	
3/30/2016	<0.003	
5/24/2016	<0.003	
8/2/2016	<0.003 (*)	
9/27/2016	<0.003	
11/22/2016	<0.003	
2/6/2017	0.0015 (J)	
4/6/2017	0.0007 (J)	
6/14/2017	<0.003 (*)	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/27/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0018 (J)	
4/7/2017	0.0008 (J)	
6/14/2017	<0.003 (*)	
7/12/2017	0.0015 (J)	
7/20/2017	<0.003	
7/28/2017	<0.003	
8/9/2017	<0.003	
8/24/2017	0.0007 (J)	
10/3/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/21/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWC-13R\_13RZ

8/21/2007	<0.005
11/1/2007	<0.005
11/19/2007	<0.005
1/31/2008	<0.005
3/5/2008	<0.005
5/7/2008	<0.005
12/12/2008	<0.005
4/29/2009	<0.005
10/21/2009	<0.005
4/28/2010	<0.005
10/6/2010	<0.005
4/20/2011	<0.005
10/12/2011	<0.005
4/25/2012	<0.005
10/2/2012	<0.005
4/2/2013	0.007
10/8/2013	0.01
4/1/2014	0.011
10/1/2014	0.018
3/31/2015	0.011
10/14/2015	0.0083
4/4/2016	0.00447
6/1/2016	0.00377
2/22/2017	0.0044
4/11/2017	0.0019 (J)
6/16/2017	<0.003 (*)
7/12/2017	0.0018 (J)
7/28/2017	0.0011 (J)
8/10/2017	0.0012 (J)
10/6/2017	0.0013 (J)
3/23/2018	0.0015 (J)
9/20/2018	0.0013 (J)
3/22/2019	0.0014 (X)



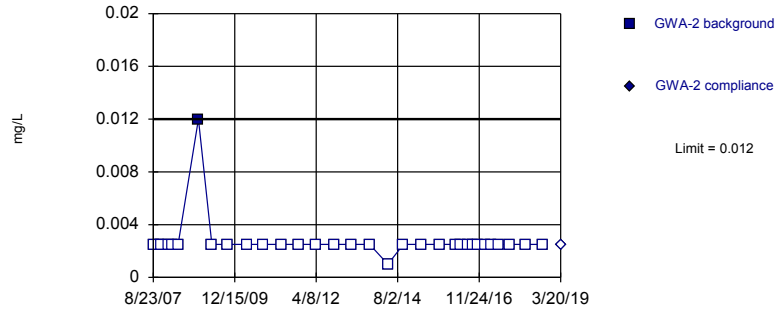
# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	<0.005	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.002	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/30/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	0.0005 (J)	
10/2/2017	<0.005	
3/16/2018	0.00085 (J)	
9/17/2018	<0.005 (D)	
3/20/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

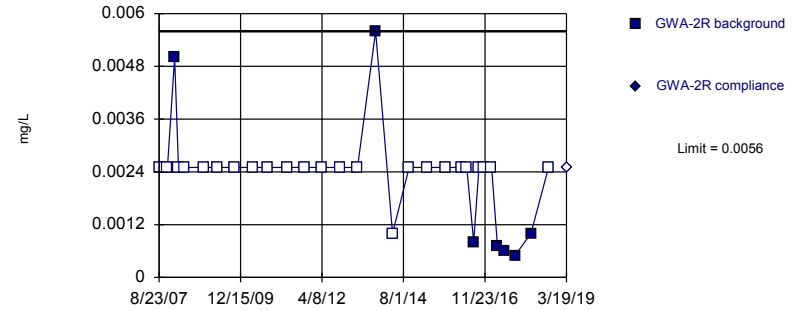


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

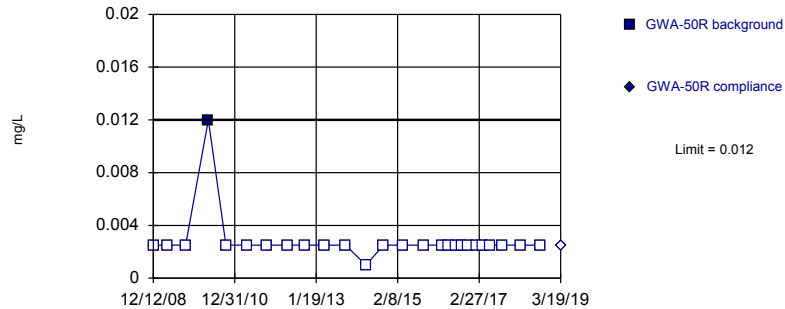


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

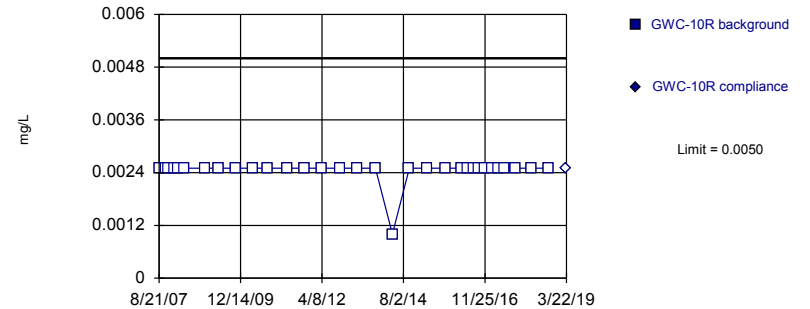


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 8/23/2019 1:31 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/6/2008	<0.005	
12/4/2008	0.012	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.002	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	<0.005	
9/14/2018	<0.005	
3/20/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	0.0056	
4/10/2014	<0.002	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	0.0008 (J)	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	0.0007 (J)	
6/9/2017	0.0006 (J)	
10/2/2017	0.0005 (J)	
3/16/2018	0.001 (J)	
9/14/2018	<0.005	
3/19/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

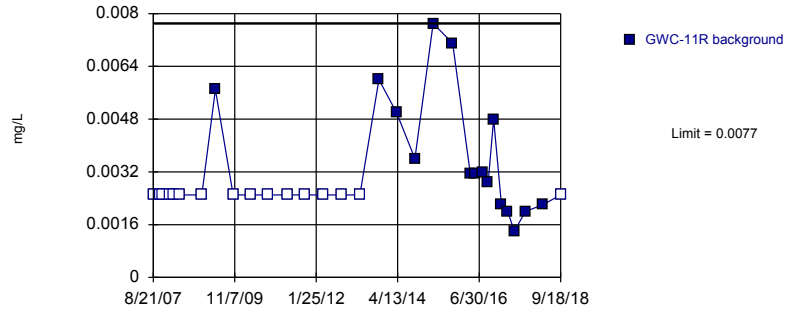
	GWA-50R	GWA-50R
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
5/3/2010	0.012	
10/11/2010	<0.005	
4/27/2011	<0.005	
10/19/2011	<0.005	
5/1/2012	<0.005	
10/2/2012	<0.005	
4/10/2013	<0.005	
10/16/2013	<0.005	
4/22/2014	<0.002	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/11/2016	<0.005	
1/30/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/18/2018	<0.005	
3/19/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/8/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.002	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019		<0.005

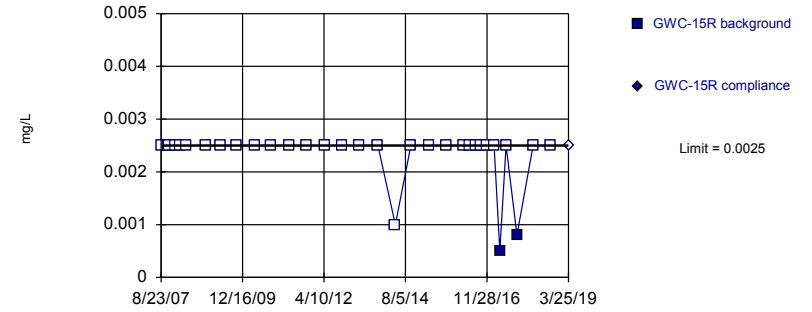
Prediction Limit  
Intrawell Non-parametric, GWC-11R



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 50% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2). Assumes 1 future value.

Constituent: Arsenic Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

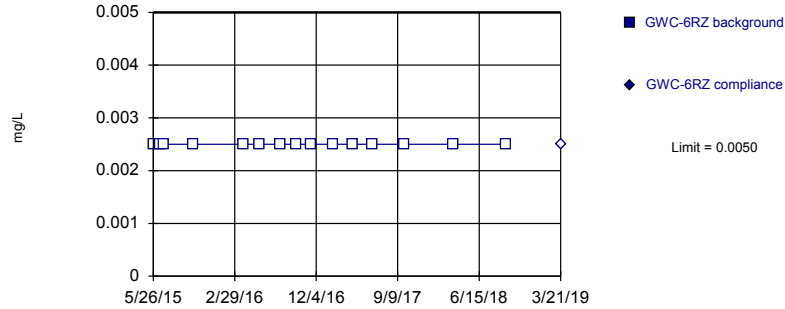
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

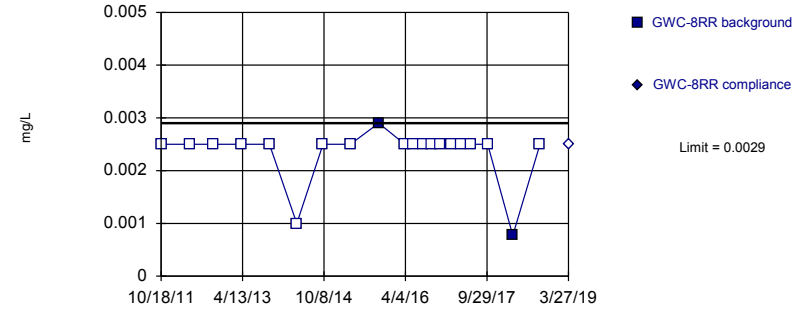
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Arsenic Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R
8/21/2007	<0.005
11/1/2007	<0.005
11/18/2007	<0.005
1/30/2008	<0.005
3/6/2008	<0.005
5/7/2008	<0.005
12/14/2008	<0.005
4/29/2009	0.0057
10/22/2009	<0.005
4/21/2010	<0.005
9/29/2010	<0.005
4/13/2011	<0.005
10/4/2011	<0.005
4/4/2012	<0.005
10/3/2012	<0.005
4/3/2013	<0.005
10/9/2013	0.006
4/2/2014	0.005 (J)
10/2/2014	0.0036 (J)
4/1/2015	0.0077
10/11/2015	0.0071
4/4/2016	0.00315 (J)
5/26/2016	0.00313 (J)
8/4/2016	0.0032 (J)
9/28/2016	0.0029 (J)
11/22/2016	0.0048 (J)
2/8/2017	0.0022 (J)
4/10/2017	0.002 (J)
6/15/2017	0.0014 (J)
10/4/2017	0.002 (J)
3/22/2018	0.0022 (J)
9/18/2018	<0.005
3/23/2019	0.0016 (X)



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.002	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/12/2017	0.0005 (J)	
6/15/2017	<0.005	
10/6/2017	0.0008 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/14/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019		<0.005

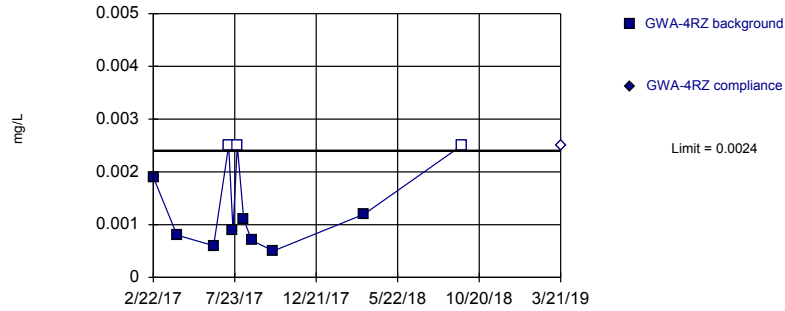
# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.002	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.0029 (J)	
3/30/2016	<0.005	
5/24/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/22/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	0.00077 (J)	
9/18/2018	<0.005	
3/27/2019		<0.005

Within Limit

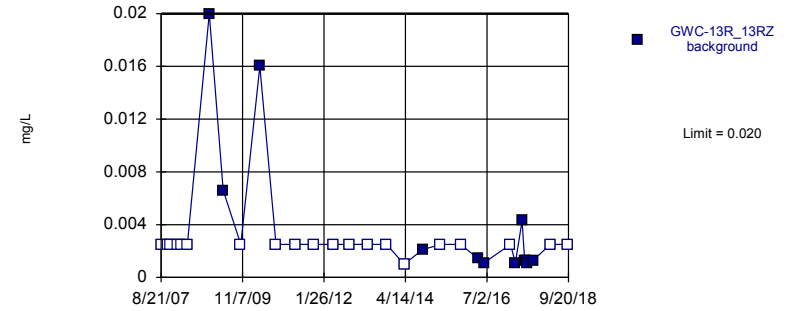
Prediction Limit  
Intrawell Parametric



Background Data Summary (after Aitchison's Adjustment): Mean=0.0007, Std. Dev.=0.0005848, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8315, critical = 0.792. Kappa = 2.837 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Arsenic Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-13R\_13RZ

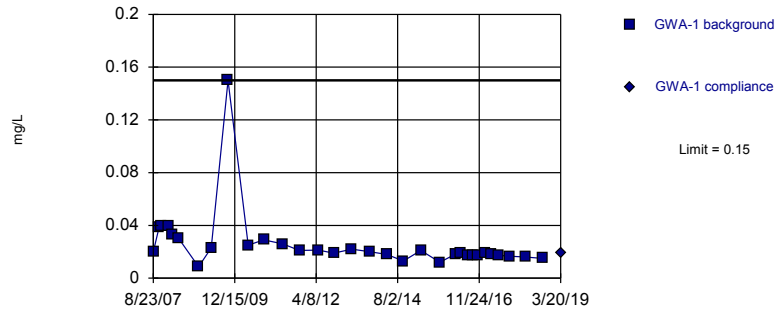


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2). Assumes 1 future value.

Constituent: Arsenic Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

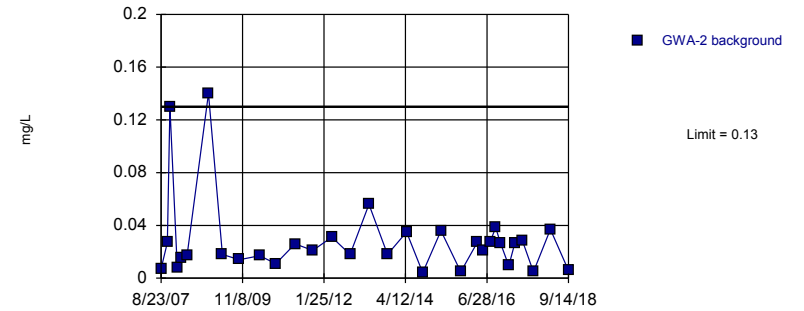
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Barium Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Parametric, GWA-2 (bg)



Background Data Summary (based on natural log transformation): Mean=-3.924, Std. Dev.=0.84, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9516, critical = 0.904. Kappa = 2.208 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486. Assumes 1 future value.

Constituent: Barium Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0019 (J)	
4/7/2017	0.0008 (J)	
6/14/2017	0.0006 (J)	
7/12/2017	<0.005	
7/20/2017	0.0009 (J)	
7/28/2017	<0.005	
8/9/2017	0.0011 (J)	
8/24/2017	0.0007 (J)	
10/3/2017	0.0005 (J)	
3/21/2018	0.0012 (J)	
9/18/2018	<0.005	
3/21/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWC-13R\_13RZ

8/21/2007	<0.005
11/1/2007	<0.005
11/19/2007	<0.005
1/31/2008	<0.005
3/5/2008	<0.005
5/7/2008	<0.005
12/12/2008	0.02
4/29/2009	0.0066
10/21/2009	<0.005
4/28/2010	0.016
10/6/2010	<0.005
4/20/2011	<0.005
10/12/2011	<0.005
4/25/2012	<0.005
10/2/2012	<0.005
4/2/2013	<0.005
10/8/2013	<0.005
4/1/2014	<0.002
10/1/2014	0.0021 (J)
3/31/2015	<0.005
10/14/2015	<0.005
4/4/2016	0.00144 (JD)
6/1/2016	0.0011 (JD)
2/22/2017	<0.005
4/11/2017	0.0011 (JD)
6/16/2017	0.0043 (JD)
7/12/2017	0.0013 (JD)
7/28/2017	0.0013 (J)
8/10/2017	0.0011 (J)
10/6/2017	0.0013 (JD)
3/23/2018	<0.005
9/20/2018	<0.005
3/22/2019	0.00097 (X)

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	0.02	
10/23/2007	0.039	
11/18/2007	0.04 (J)	
1/30/2008	0.04	
3/10/2008	0.033	
5/13/2008	0.03	
12/5/2008	0.0087	
4/15/2009	0.023	
10/7/2009	0.15	
5/3/2010	0.025	
10/12/2010	0.029	
4/27/2011	0.026	
10/17/2011	0.021	
5/2/2012	0.0212	
10/8/2012	0.019	
4/12/2013	0.022	
10/16/2013	0.02	
4/11/2014	0.018	
9/30/2014	0.013	
3/30/2015	0.021	
10/13/2015	0.012	
3/22/2016	0.0182	
5/19/2016	0.0193	
7/29/2016	0.0174	
9/23/2016	0.0168	
11/9/2016	0.0171	
1/30/2017	0.019	
3/30/2017	0.0184	
6/9/2017	0.0174	
10/2/2017	0.0167	
3/16/2018	0.016	
9/17/2018	0.015 (D)	
3/20/2019		0.019

# Prediction Limit

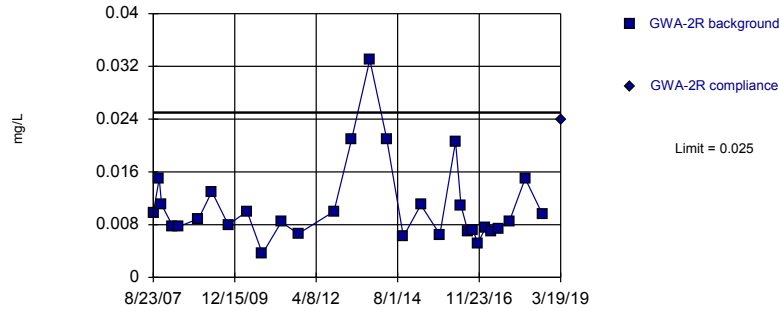
Constituent: Barium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2
8/23/2007	0.0073
10/24/2007	0.027
11/18/2007	0.13
1/31/2008	0.0077
3/11/2008	0.015
5/6/2008	0.017
12/4/2008	0.14
4/21/2009	0.018
10/7/2009	0.014
4/26/2010	0.017
10/4/2010	0.011
4/13/2011	0.026
10/5/2011	0.021
4/11/2012	0.0311
10/9/2012	0.018
4/15/2013	0.056
10/15/2013	0.018
4/22/2014	0.035
9/30/2014	0.0041
3/30/2015	0.036
10/13/2015	0.0048
3/23/2016	0.0271
5/20/2016	0.0206
7/29/2016	0.0275
9/23/2016	0.0384
11/9/2016	0.0266
1/31/2017	0.0094 (J)
3/30/2017	0.0262
6/12/2017	0.0288
10/2/2017	0.0048 (J)
3/19/2018	0.037
9/14/2018	0.0059 (J)
3/20/2019	0.0072 (X)



Within Limit

Prediction Limit  
Intrawell Parametric

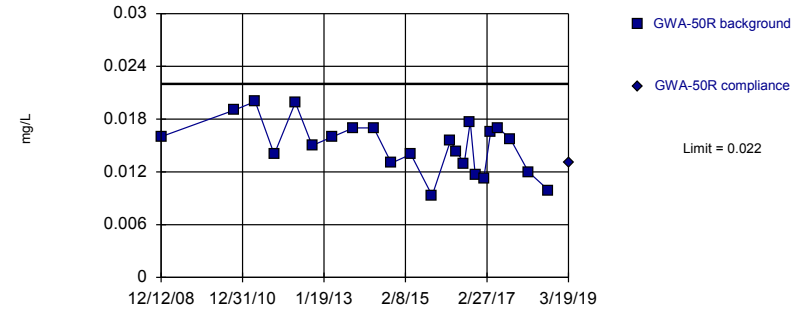


Background Data Summary (based on cube root transformation): Mean=0.02153, Std. Dev.=0.03537, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.904, critical = 0.9. Kappa = 2.223 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

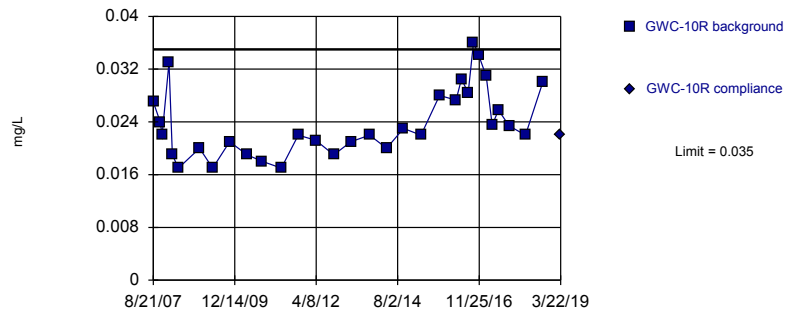


Background Data Summary: Mean=0.01499, Std. Dev.=0.002959, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9748, critical = 0.881. Kappa = 2.317 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

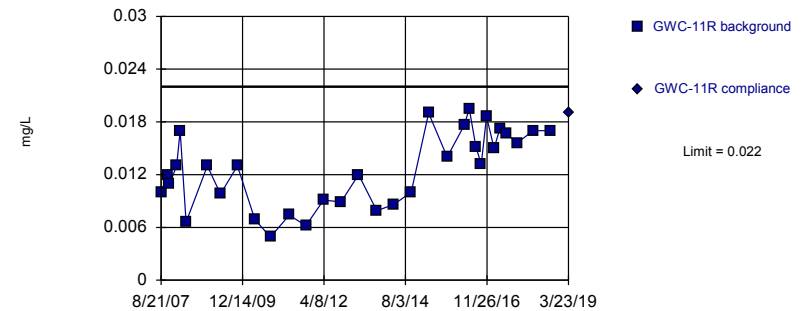


Background Data Summary: Mean=0.02388, Std. Dev.=0.005231, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9249, critical = 0.904. Kappa = 2.208 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.01259, Std. Dev.=0.004227, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9503, critical = 0.904. Kappa = 2.208 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	0.0098	
10/24/2007	0.015	
11/18/2007	0.011	
1/31/2008	0.13 (O)	
3/10/2008	0.0078	
5/13/2008	0.0077	
12/4/2008	0.0089	
4/21/2009	0.013	
10/8/2009	0.008	
4/21/2010	0.01	
9/28/2010	0.0036	
4/12/2011	0.0084	
10/4/2011	0.0066	
4/3/2012	0.0625 (O)	
10/9/2012	0.01	
4/11/2013	0.021	
10/16/2013	0.033	
4/10/2014	0.021	
9/30/2014	0.0062	
3/30/2015	0.011	
10/13/2015	0.0065	
3/23/2016	0.0206	
5/19/2016	0.0109	
7/29/2016	0.007 (J)	
9/22/2016	0.0071 (J)	
11/10/2016	0.0052 (J)	
1/31/2017	0.0076 (J)	
4/3/2017	0.007 (J)	
6/9/2017	0.0074 (J)	
10/2/2017	0.0085 (J)	
3/16/2018	0.015	
9/14/2018	0.0095 (J)	
3/19/2019		0.024

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	0.016	
4/23/2009	0.14 (O)	
10/6/2009	0.12 (O)	
5/3/2010	0.12 (O)	
10/11/2010	0.019	
4/27/2011	0.02	
10/19/2011	0.014	
5/1/2012	0.0199	
10/2/2012	0.015	
4/10/2013	0.016	
10/16/2013	0.017	
4/22/2014	0.017	
10/1/2014	0.013	
3/30/2015	0.014	
10/11/2015	0.0093	
3/28/2016	0.0155	
5/25/2016	0.0143	
8/1/2016	0.0129	
9/26/2016	0.0177	
11/11/2016	0.0117	
1/30/2017	0.0113	
4/3/2017	0.0166	
6/12/2017	0.017	
10/2/2017	0.0157	
3/16/2018	0.012	
9/18/2018	0.0099 (J)	
3/19/2019		0.013

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	0.027	
11/1/2007	0.024	
11/20/2007	0.022	
1/30/2008	0.033 (J)	
3/6/2008	0.019	
5/8/2008	0.017	
12/14/2008	0.02	
4/29/2009	0.017	
10/21/2009	0.021	
4/21/2010	0.019	
9/28/2010	0.018	
4/12/2011	0.017	
10/4/2011	0.022	
4/3/2012	0.0212	
10/8/2012	0.019	
4/3/2013	0.021	
10/15/2013	0.022	
4/9/2014	0.02	
10/2/2014	0.023	
4/2/2015	0.022	
10/12/2015	0.028	
3/31/2016	0.0273	
5/26/2016	0.0305	
8/3/2016	0.0284	
9/28/2016	0.036	
11/22/2016	0.0341 (J)	
2/7/2017	0.0309	
4/10/2017	0.0235	
6/14/2017	0.0258	
10/4/2017	0.0234	
3/21/2018	0.022	
9/18/2018	0.03	
3/22/2019		0.022

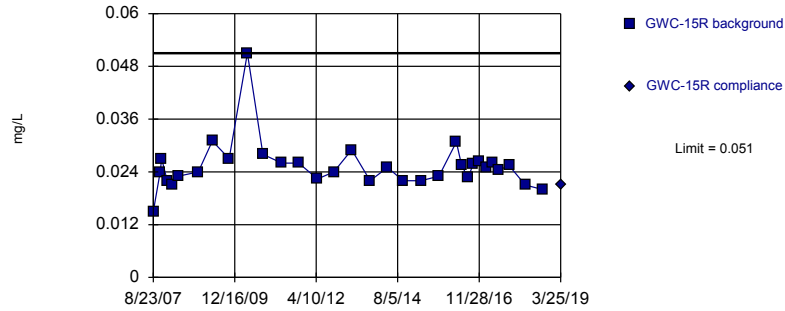
# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	0.01	
11/1/2007	0.012	
11/18/2007	0.011	
1/30/2008	0.013	
3/6/2008	0.017	
5/7/2008	0.0066	
12/14/2008	0.013	
4/29/2009	0.0098	
10/22/2009	0.013	
4/21/2010	0.0069	
9/29/2010	0.0049	
4/13/2011	0.0074	
10/4/2011	0.0062	
4/4/2012	0.0091	
10/3/2012	0.0089	
4/3/2013	0.012	
10/9/2013	0.0079	
4/2/2014	0.0086	
10/2/2014	0.01	
4/1/2015	0.019	
10/11/2015	0.014	
4/4/2016	0.0176	
5/26/2016	0.0195	
8/4/2016	0.0151	
9/28/2016	0.0132	
11/22/2016	0.0186 (J)	
2/8/2017	0.015	
4/10/2017	0.0172	
6/15/2017	0.0167	
10/4/2017	0.0156	
3/22/2018	0.017	
9/18/2018	0.017	
3/23/2019		0.019

Within Limit

Prediction Limit  
Intrawell Non-parametric

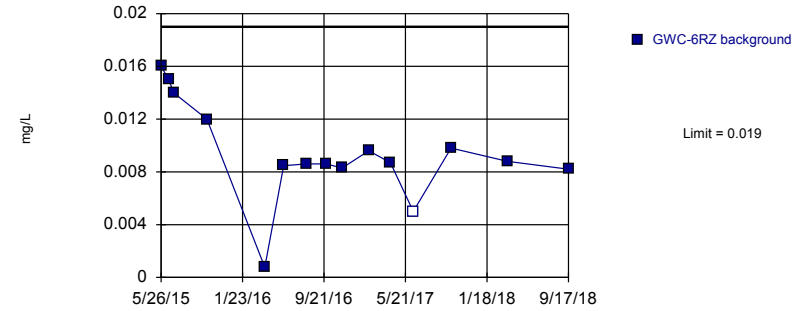


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Barium Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric, GWC-6RZ

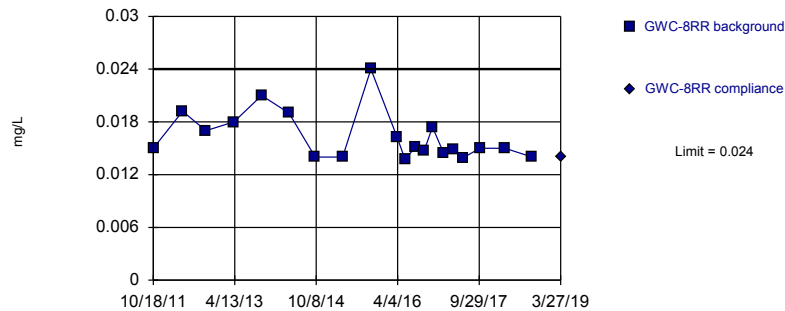


Background Data Summary: Mean=0.009456, Std. Dev.=0.003803, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9092, critical = 0.835. Kappa = 2.555 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486. Assumes 1 future value.

Constituent: Barium Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

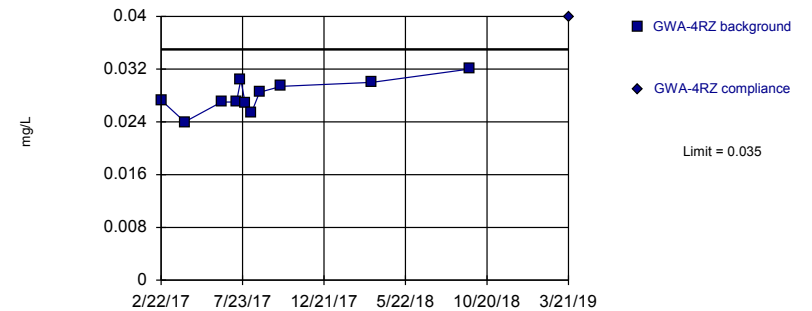


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.02799, Std. Dev.=0.002333, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9753, critical = 0.792. Kappa = 2.837 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 8/23/2019 1:32 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	0.015	
11/2/2007	0.024	
11/17/2007	0.027	
1/15/2008	0.022	
3/6/2008	0.021	
5/7/2008	0.023	
12/2/2008	0.024	
4/28/2009	0.031	
10/19/2009	0.027	
4/27/2010	0.051	
10/4/2010	0.028	
4/18/2011	0.026	
10/12/2011	0.026	
4/23/2012	0.0224	
10/10/2012	0.024	
4/15/2013	0.029	
10/22/2013	0.022	
4/21/2014	0.025	
9/30/2014	0.022	
4/3/2015	0.022	
10/7/2015	0.023	
4/5/2016	0.0308	
5/31/2016	0.0255	
8/4/2016	0.0227	
9/29/2016	0.0258	
11/23/2016	0.0263 (J)	
2/10/2017	0.025	
4/12/2017	0.026	
6/15/2017	0.0244	
10/6/2017	0.0254	
3/23/2018	0.021	
9/19/2018	0.02	
3/25/2019		0.021

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ
5/26/2015	0.016
6/18/2015	0.015 (D)
7/2/2015	0.014
10/9/2015	0.012
3/29/2016	0.000768 (J)
5/24/2016	0.00847 (J)
8/1/2016	0.0086 (J)
9/26/2016	0.0086 (J)
11/14/2016	0.0083 (J)
2/1/2017	0.0096 (J)
4/6/2017	0.0087 (J)
6/13/2017	<0.01 (*)
10/3/2017	0.0098 (J)
3/20/2018	0.0088 (J)
9/17/2018	0.0082 (J)
3/21/2019	0.0075 (X)



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	0.015	
4/30/2012	0.0192	
10/3/2012	0.017	
4/8/2013	0.018	
10/9/2013	0.021	
4/10/2014	0.019	
10/2/2014	0.014	
4/3/2015	0.014	
10/8/2015	0.024	
3/30/2016	0.0163	
5/24/2016	0.0137	
8/2/2016	0.0152	
9/27/2016	0.0147	
11/22/2016	0.0174 (J)	
2/6/2017	0.0144	
4/6/2017	0.0149	
6/14/2017	0.0139	
10/4/2017	0.015	
3/21/2018	0.015	
9/18/2018	0.014	
3/27/2019		0.014

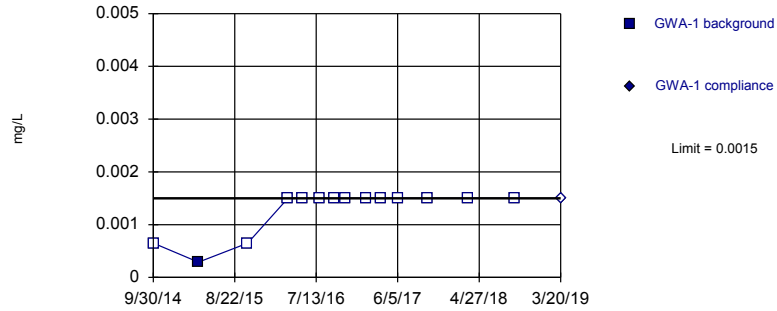
# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0273	
4/7/2017	0.024	
6/14/2017	0.027	
7/12/2017	0.027	
7/20/2017	0.0304	
7/28/2017	0.0269	
8/9/2017	0.0254	
8/24/2017	0.0285	
10/3/2017	0.0294	
3/21/2018	0.03	
9/18/2018	0.032	
3/21/2019		0.04

Within Limit

Prediction Limit  
Intrawell Non-parametric

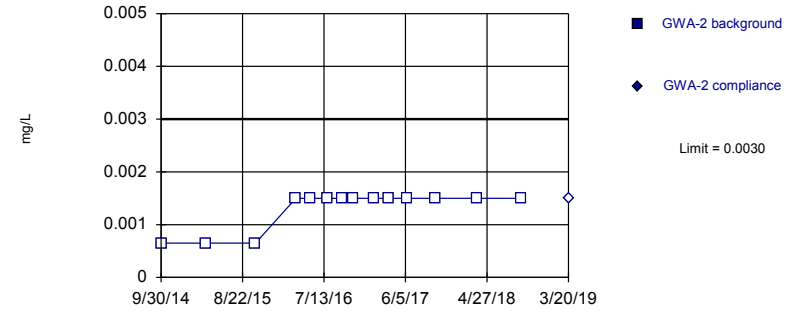


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

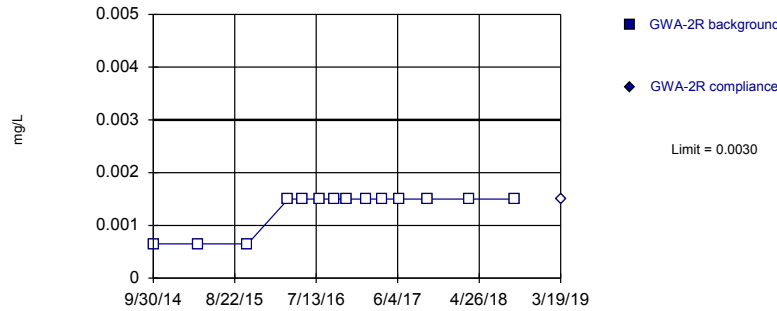


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

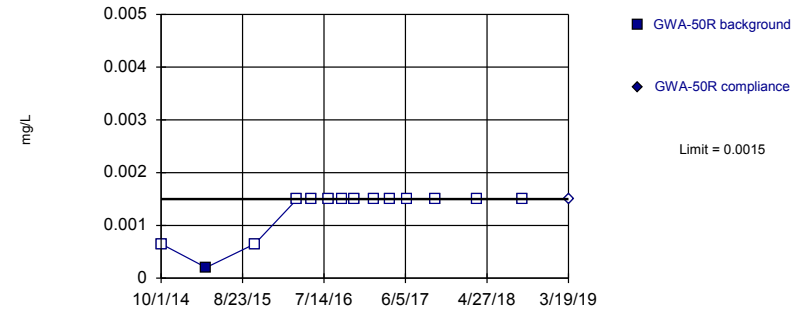


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
9/30/2014	<0.0013	
3/30/2015	0.00029 (J)	
10/13/2015	<0.0013	
3/22/2016	<0.003	
5/19/2016	<0.003	
7/29/2016	<0.003	
9/23/2016	<0.003	
11/9/2016	<0.003 (*)	
1/30/2017	<0.003	
3/30/2017	<0.003	
6/9/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/17/2018	<0.003 (D)	
3/20/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
9/30/2014	<0.0013	
3/30/2015	<0.0013	
10/13/2015	<0.0013	
3/23/2016	<0.003	
5/20/2016	<0.003	
7/29/2016	<0.003	
9/23/2016	<0.003	
11/9/2016	<0.003	
1/31/2017	<0.003	
3/30/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/19/2018	<0.003	
9/14/2018	<0.003	
3/20/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
9/30/2014	<0.0013	
3/30/2015	<0.0013	
10/13/2015	<0.0013	
3/23/2016	<0.003	
5/19/2016	<0.003	
7/29/2016	<0.003	
9/22/2016	<0.003	
11/10/2016	<0.003	
1/31/2017	<0.003	
4/3/2017	<0.003	
6/9/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/14/2018	<0.003	
3/19/2019		<0.003

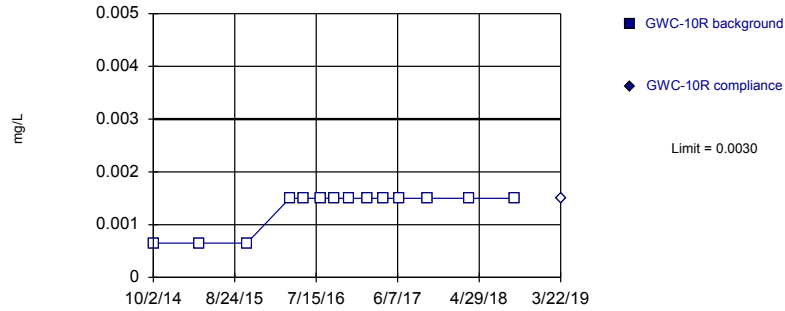
# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
10/1/2014	<0.0013	
3/30/2015	0.0002 (J)	
10/11/2015	<0.0013	
3/28/2016	<0.003	
5/25/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/11/2016	<0.003	
1/30/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/18/2018	<0.003	
3/19/2019		<0.003

Within Limit

Prediction Limit  
Intrawell Non-parametric

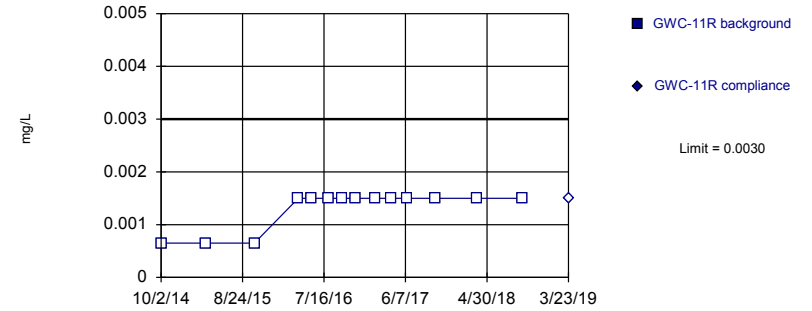


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

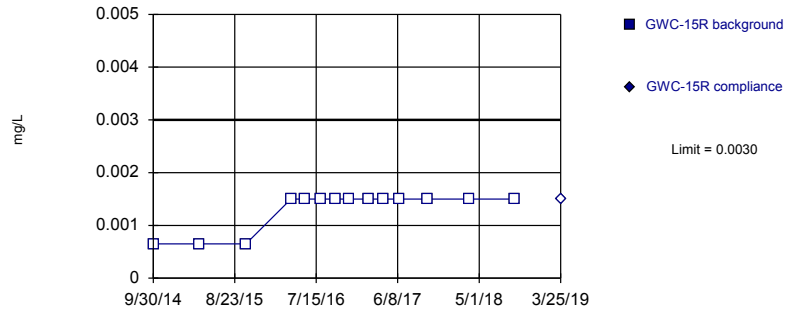


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

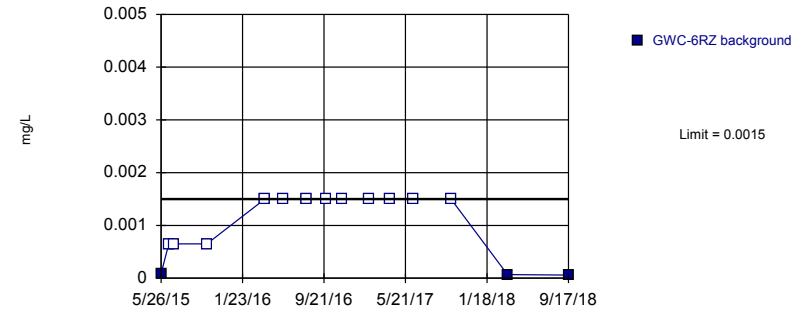


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-6RZ



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2). Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
10/2/2014	<0.0013	
4/2/2015	<0.0013	
10/12/2015	<0.0013	
3/31/2016	<0.003	
5/26/2016	<0.003	
8/3/2016	<0.003	
9/28/2016	<0.003	
11/22/2016	<0.003	
2/7/2017	<0.003	
4/10/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/22/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
10/2/2014	<0.0013	
4/1/2015	<0.0013	
10/11/2015	<0.0013	
4/4/2016	<0.003	
5/26/2016	<0.003	
8/4/2016	<0.003	
9/28/2016	<0.003	
11/22/2016	<0.003	
2/8/2017	<0.003	
4/10/2017	<0.003	
6/15/2017	<0.003	
10/4/2017	<0.003	
3/22/2018	<0.003	
9/18/2018	<0.003	
3/23/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
9/30/2014	<0.0013	
4/3/2015	<0.0013	
10/7/2015	<0.0013	
4/5/2016	<0.003	
5/31/2016	<0.003	
8/4/2016	<0.003	
9/29/2016	<0.003	
11/23/2016	<0.003	
2/10/2017	<0.003	
4/12/2017	<0.003	
6/15/2017	<0.003	
10/6/2017	<0.003	
3/23/2018	<0.003	
9/19/2018	<0.003	
3/25/2019		<0.003

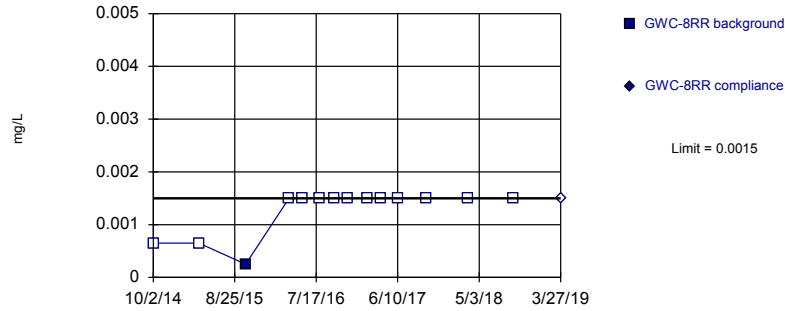
# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ
5/26/2015	8.8E-05 (J)
6/18/2015	<0.0013 (D)
7/2/2015	<0.0013
10/9/2015	<0.0013
3/29/2016	<0.003
5/24/2016	<0.003
8/1/2016	<0.003
9/26/2016	<0.003
11/14/2016	<0.003
2/1/2017	<0.003
4/6/2017	<0.003
6/13/2017	<0.003
10/3/2017	<0.003
3/20/2018	6.8E-05 (J)
9/17/2018	5.8E-05 (J)
3/21/2019	7.6E-05 (X)

Within Limit

Prediction Limit  
Intrawell Non-parametric

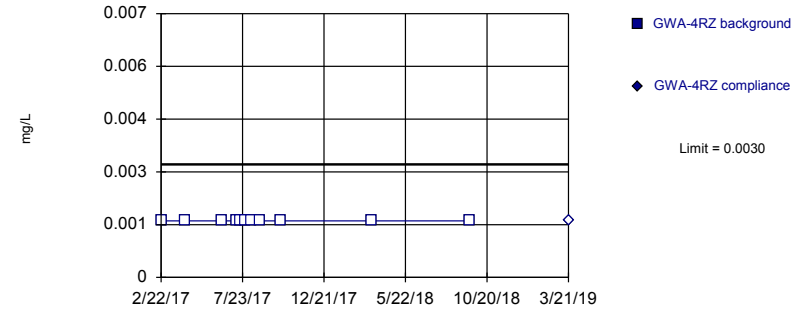


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

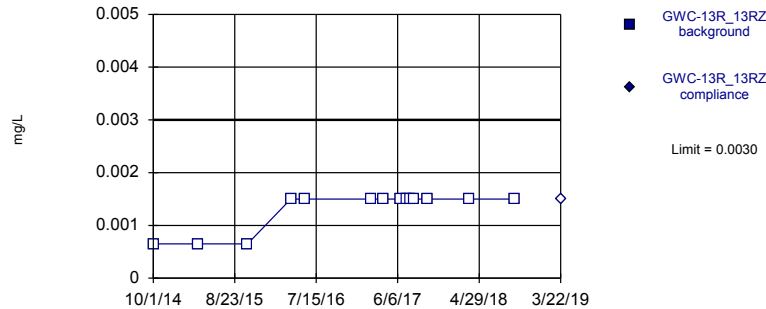


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Beryllium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

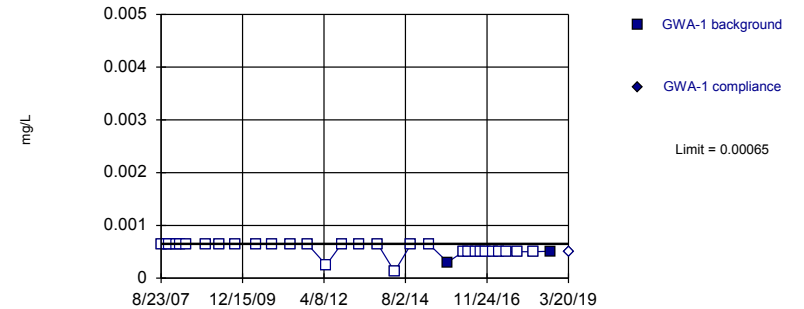


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/2/2014	<0.0013	
4/3/2015	<0.0013	
10/8/2015	0.00025 (J)	
3/30/2016	<0.003	
5/24/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/22/2016	<0.003	
2/6/2017	<0.003	
4/6/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/27/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	<0.003	
4/7/2017	<0.003	
6/14/2017	<0.003	
7/12/2017	<0.003	
7/20/2017	<0.003	
7/28/2017	<0.003	
8/9/2017	<0.003	
8/24/2017	<0.003	
10/3/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/21/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
10/1/2014	<0.0013	
3/31/2015	<0.0013	
10/14/2015	<0.0013	
4/4/2016	<0.003 (D)	
6/1/2016	<0.003 (D)	
2/22/2017	<0.003	
4/11/2017	<0.003	
6/16/2017	<0.003	
7/12/2017	<0.003	
7/28/2017	<0.003	
8/10/2017	<0.003	
10/6/2017	<0.003	
3/23/2018	<0.003	
9/20/2018	<0.003	
3/22/2019		<0.003



# Prediction Limit

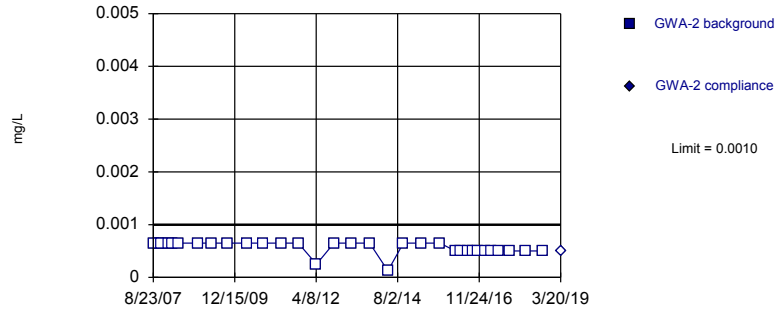
Constituent: Cadmium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.0013	
10/23/2007	<0.0013	
11/18/2007	<0.0013	
1/30/2008	<0.0013	
3/10/2008	<0.0013	
5/13/2008	<0.0013	
12/5/2008	<0.0013	
4/15/2009	<0.0013	
10/7/2009	<0.0013	
5/3/2010	<0.0013	
10/12/2010	<0.0013	
4/27/2011	<0.0013	
10/17/2011	<0.0013	
5/2/2012	<0.0005	
10/8/2012	<0.0013	
4/12/2013	<0.0013	
10/16/2013	<0.0013	
4/11/2014	<0.00025	
9/30/2014	<0.0013	
3/30/2015	<0.0013	
10/13/2015	0.0003 (J)	
3/22/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	<0.001	
9/23/2016	<0.001	
11/9/2016	<0.001	
1/30/2017	<0.001	
3/30/2017	<0.001	
6/9/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/17/2018	0.00051 (D)	
3/20/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

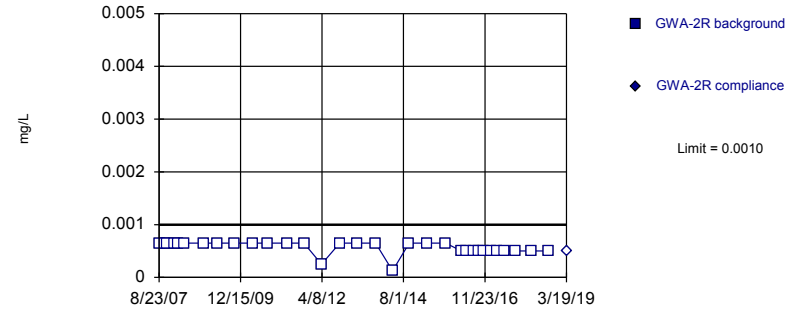


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

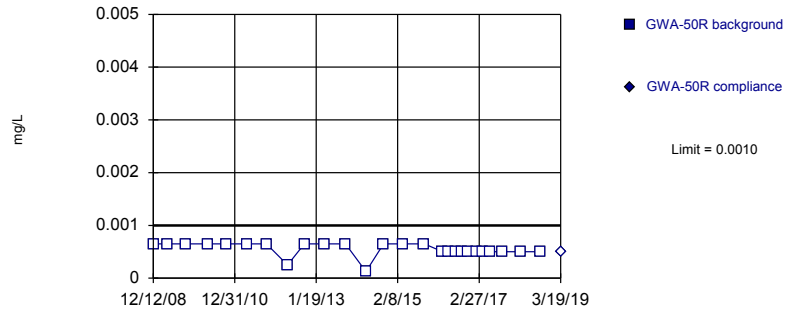


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

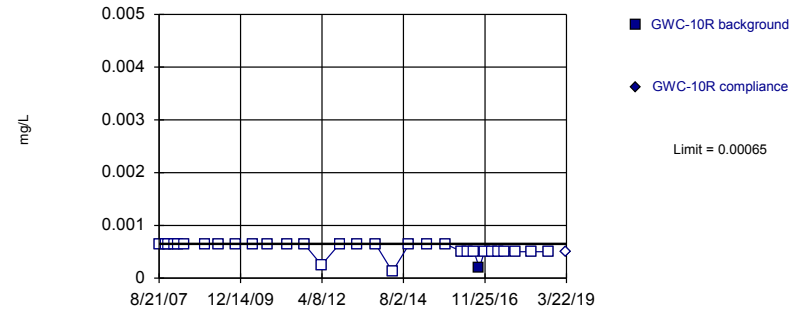


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 26) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.0013	
10/24/2007	<0.0013	
11/18/2007	<0.0013	
1/31/2008	<0.0013	
3/11/2008	<0.0013	
5/6/2008	<0.0013	
12/4/2008	<0.0013	
4/21/2009	<0.0013	
10/7/2009	<0.0013	
4/26/2010	<0.0013	
10/4/2010	<0.0013	
4/13/2011	<0.0013	
10/5/2011	<0.0013	
4/11/2012	<0.0005	
10/9/2012	<0.0013	
4/15/2013	<0.0013	
10/15/2013	<0.0013	
4/22/2014	<0.00025	
9/30/2014	<0.0013	
3/30/2015	<0.0013	
10/13/2015	<0.0013	
3/23/2016	<0.001	
5/20/2016	<0.001	
7/29/2016	<0.001	
9/23/2016	<0.001	
11/9/2016	<0.001	
1/31/2017	<0.001	
3/30/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/19/2018	<0.001	
9/14/2018	<0.001	
3/20/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.0013	
10/24/2007	<0.0013	
11/18/2007	<0.0013	
1/31/2008	<0.0013	
3/10/2008	<0.0013	
5/13/2008	<0.0013	
12/4/2008	<0.0013	
4/21/2009	<0.0013	
10/8/2009	<0.0013	
4/21/2010	<0.0013	
9/28/2010	<0.0013	
4/12/2011	<0.0013	
10/4/2011	<0.0013	
4/3/2012	<0.0005	
10/9/2012	<0.0013	
4/11/2013	<0.0013	
10/16/2013	<0.0013	
4/10/2014	<0.00025	
9/30/2014	<0.0013	
3/30/2015	<0.0013	
10/13/2015	<0.0013	
3/23/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	<0.001	
9/22/2016	<0.001	
11/10/2016	<0.001	
1/31/2017	<0.001	
4/3/2017	<0.001	
6/9/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/14/2018	<0.001	
3/19/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.0013	
4/23/2009	<0.0013	
10/6/2009	<0.0013	
5/3/2010	<0.0013	
10/11/2010	<0.0013	
4/27/2011	<0.0013	
10/19/2011	<0.0013	
5/1/2012	<0.0005	
10/2/2012	<0.0013	
4/10/2013	<0.0013	
10/16/2013	<0.0013	
4/22/2014	<0.00025	
10/1/2014	<0.0013	
3/30/2015	<0.0013	
10/11/2015	<0.0013	
3/28/2016	<0.001	
5/25/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/11/2016	<0.001	
1/30/2017	<0.001	
4/3/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/18/2018	<0.001	
3/19/2019		<0.001

# Prediction Limit

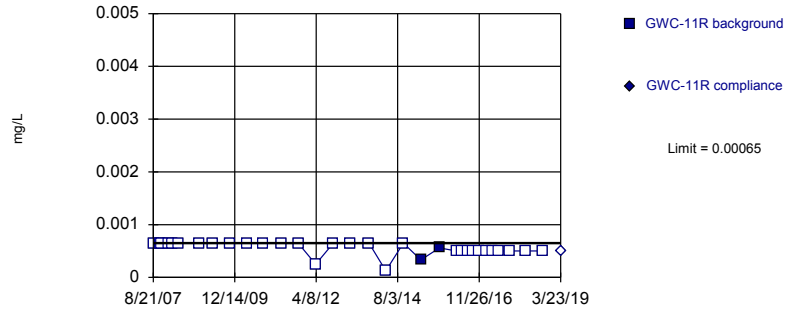
Constituent: Cadmium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.0013	
11/1/2007	<0.0013	
11/20/2007	<0.0013	
1/30/2008	<0.0013	
3/6/2008	<0.0013	
5/8/2008	<0.0013	
12/14/2008	<0.0013	
4/29/2009	<0.0013	
10/21/2009	<0.0013	
4/21/2010	<0.0013	
9/28/2010	<0.0013	
4/12/2011	<0.0013	
10/4/2011	<0.0013	
4/3/2012	<0.0005	
10/8/2012	<0.0013	
4/3/2013	<0.0013	
10/15/2013	<0.0013	
4/9/2014	<0.00025	
10/2/2014	<0.0013	
4/2/2015	<0.0013	
10/12/2015	<0.0013	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	<0.001	
9/28/2016	0.0002 (J)	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/22/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

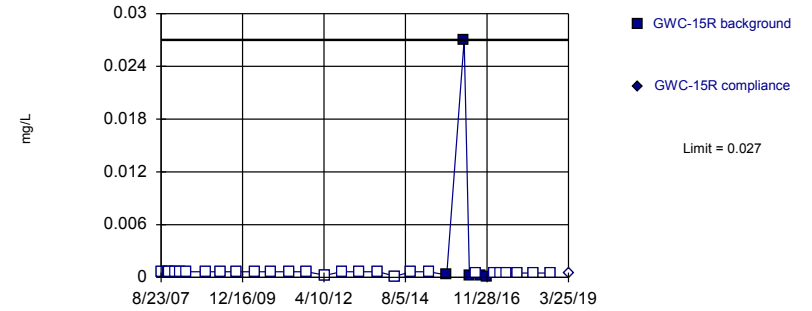


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

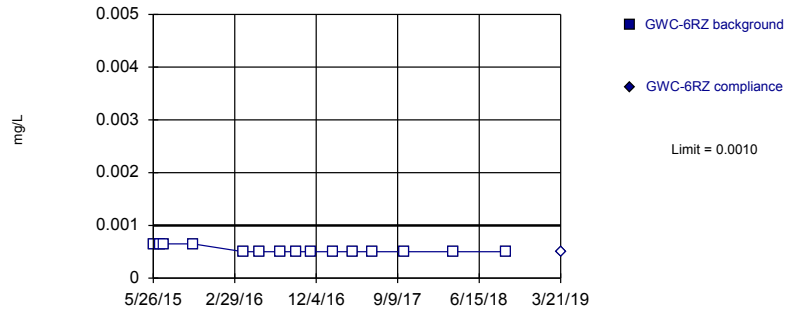


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

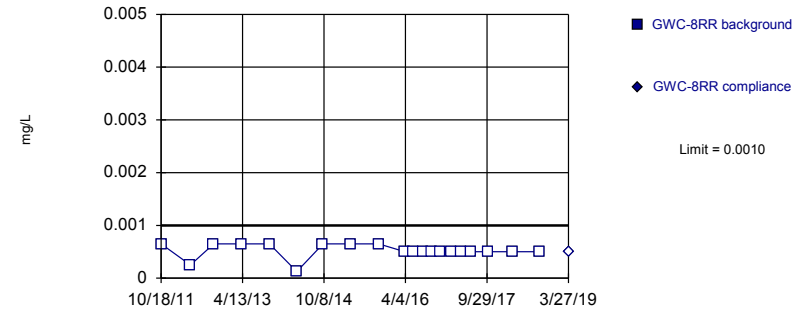


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Cadmium Analysis Run 8/23/2019 1:33 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.0013	
11/1/2007	<0.0013	
11/18/2007	<0.0013	
1/30/2008	<0.0013	
3/6/2008	<0.0013	
5/7/2008	<0.0013	
12/14/2008	<0.0013	
4/29/2009	<0.0013	
10/22/2009	<0.0013	
4/21/2010	<0.0013	
9/29/2010	<0.0013	
4/13/2011	<0.0013	
10/4/2011	<0.0013	
4/4/2012	<0.0005	
10/3/2012	<0.0013	
4/3/2013	<0.0013	
10/9/2013	<0.0013	
4/2/2014	<0.00025	
10/2/2014	<0.0013	
4/1/2015	0.00033 (J)	
10/11/2015	0.00056 (J)	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/4/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	<0.001	
10/4/2017	<0.001	
3/22/2018	<0.001	
9/18/2018	<0.001	
3/23/2019		<0.001



# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.0013	
11/2/2007	<0.0013	
11/17/2007	<0.0013	
1/15/2008	<0.0013	
3/6/2008	<0.0013	
5/7/2008	<0.0013	
12/2/2008	<0.0013	
4/28/2009	<0.0013	
10/19/2009	<0.0013	
4/27/2010	<0.0013	
10/4/2010	<0.0013	
4/18/2011	<0.0013	
10/12/2011	<0.0013	
4/23/2012	<0.0005	
10/10/2012	<0.0013	
4/15/2013	<0.0013	
10/22/2013	<0.0013	
4/21/2014	<0.00025	
9/30/2014	<0.0013	
4/3/2015	<0.0013	
10/7/2015	0.00028 (J)	
4/5/2016	0.027 (J)	
5/31/2016	0.000206 (J)	
8/4/2016	<0.001	
9/29/2016	0.0002 (J)	
11/23/2016	0.0001 (J)	
2/10/2017	<0.001	
4/12/2017	<0.001	
6/15/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/19/2018	<0.001	
3/25/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.0013	
6/18/2015	<0.0013 (D)	
7/2/2015	<0.0013	
10/9/2015	<0.0013	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/14/2016	<0.001	
2/1/2017	<0.001	
4/6/2017	<0.001	
6/13/2017	<0.001	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/17/2018	<0.001	
3/21/2019		<0.001

# Prediction Limit

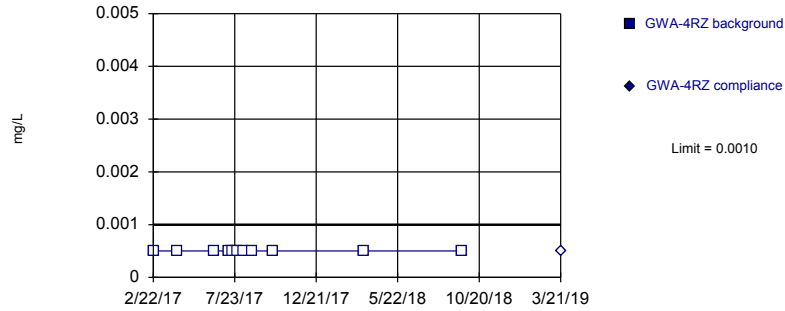
Constituent: Cadmium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.0013	
4/30/2012	<0.0005	
10/3/2012	<0.0013	
4/8/2013	<0.0013	
10/9/2013	<0.0013	
4/10/2014	<0.00025	
10/2/2014	<0.0013	
4/3/2015	<0.0013	
10/8/2015	<0.0013	
3/30/2016	<0.001	
5/24/2016	<0.001	
8/2/2016	<0.001	
9/27/2016	<0.001	
11/22/2016	<0.001	
2/6/2017	<0.001	
4/6/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/27/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

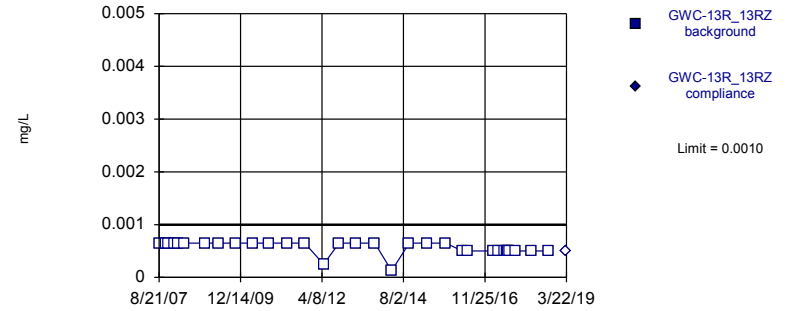


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Cadmium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

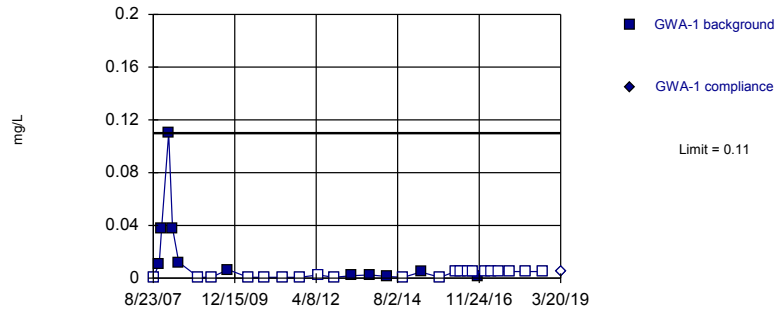


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

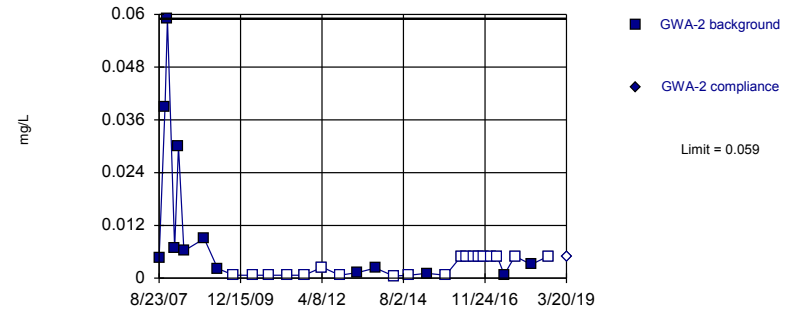


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 65.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 59.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	<0.001	
4/7/2017	<0.001	
6/14/2017	<0.001	
7/12/2017	<0.001	
7/20/2017	<0.001	
7/28/2017	<0.001	
8/9/2017	<0.001	
8/24/2017	<0.001	
10/3/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/21/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.0013	
11/1/2007	<0.0013	
11/19/2007	<0.0013	
1/31/2008	<0.0013	
3/5/2008	<0.0013	
5/7/2008	<0.0013	
12/12/2008	<0.0013	
4/29/2009	<0.0013	
10/21/2009	<0.0013	
4/28/2010	<0.0013	
10/6/2010	<0.0013	
4/20/2011	<0.0013	
10/12/2011	<0.0013	
4/25/2012	<0.0005	
10/2/2012	<0.0013	
4/2/2013	<0.0013	
10/8/2013	<0.0013	
4/1/2014	<0.00025	
10/1/2014	<0.0013	
3/31/2015	<0.0013	
10/14/2015	<0.0013	
4/4/2016	<0.001	
6/1/2016	<0.001	
2/22/2017	<0.001	
4/11/2017	<0.001	
6/16/2017	<0.001	
7/12/2017	<0.001	
7/28/2017	<0.001	
8/10/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/20/2018	<0.001	
3/22/2019		<0.001

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.0013	
10/23/2007	0.011	
11/18/2007	0.038 (J)	
1/30/2008	0.11 (J)	
3/10/2008	0.038	
5/13/2008	0.012	
12/5/2008	<0.0013	
4/15/2009	<0.0013	
10/7/2009	0.0065	
5/3/2010	<0.0013	
10/12/2010	<0.0013	
4/27/2011	<0.0013	
10/17/2011	<0.0013	
5/2/2012	<0.005	
10/8/2012	<0.0013	
4/12/2013	0.0019	
10/16/2013	0.0024	
4/11/2014	0.0013 (J)	
9/30/2014	<0.0013	
3/30/2015	0.0047	
10/13/2015	<0.0013	
3/22/2016	<0.01	
5/19/2016	<0.01	
7/29/2016	<0.01	
9/23/2016	<0.01	
11/9/2016	0.0011 (J)	
1/30/2017	<0.01	
3/30/2017	<0.01	
6/9/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

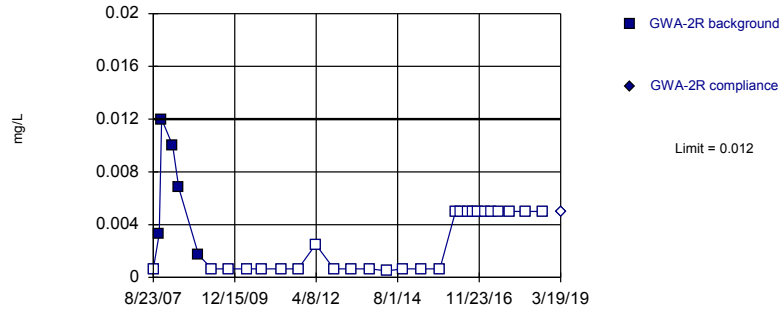
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	0.0045	
10/24/2007	0.039	
11/18/2007	0.059	
1/31/2008	0.0067	
3/11/2008	0.03	
5/6/2008	0.0062	
12/4/2008	0.009	
4/21/2009	0.0022	
10/7/2009	<0.0013	
4/26/2010	<0.0013	
10/4/2010	<0.0013	
4/13/2011	<0.0013	
10/5/2011	<0.0013	
4/11/2012	<0.005	
10/9/2012	<0.0013	
4/15/2013	0.0013	
10/15/2013	0.0023	
4/22/2014	<0.001	
9/30/2014	<0.0013	
3/30/2015	0.0011 (J)	
10/13/2015	<0.0013	
3/23/2016	<0.01	
5/20/2016	<0.01	
7/29/2016	<0.01 (*)	
9/23/2016	<0.01	
11/9/2016	<0.01	
1/31/2017	<0.01	
3/30/2017	<0.01 (*)	
6/12/2017	0.0008 (J)	
10/2/2017	<0.01	
3/19/2018	0.0031 (J)	
9/14/2018	<0.01	
3/20/2019		<0.01



Within Limit

Prediction Limit  
Intrawell Non-parametric

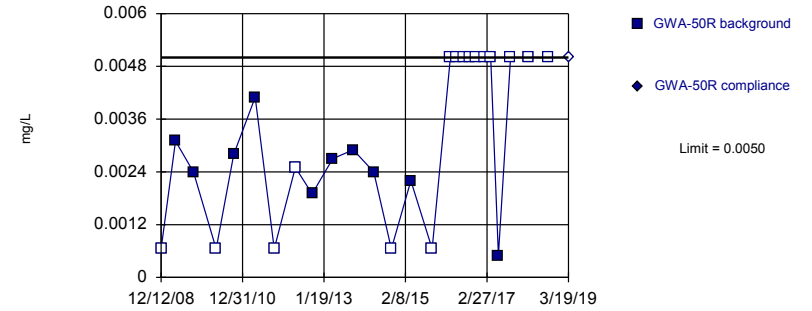


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 83.87% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

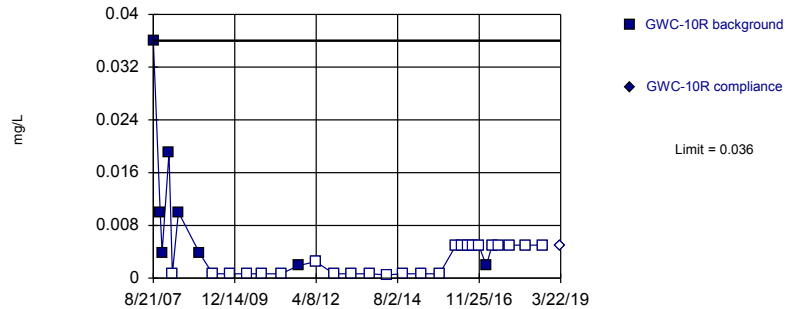


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

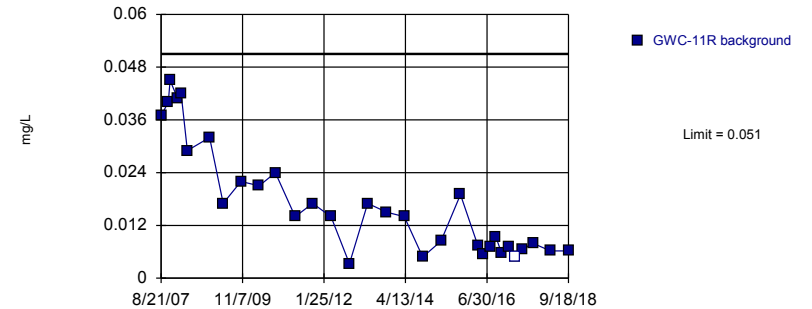


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric, GWC-11R



Background Data Summary (based on square root transformation): Mean=0.1229, Std. Dev.=0.0465, n=32, 3.125% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9087, critical = 0.904. Kappa = 2.208 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486. Assumes 1 future value.

Constituent: Chromium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.0013	
10/24/2007	0.0033	
11/18/2007	0.012	
1/31/2008	0.052 (O)	
3/10/2008	0.01	
5/13/2008	0.0068	
12/4/2008	0.0017	
4/21/2009	<0.0013	
10/8/2009	<0.0013	
4/21/2010	<0.0013	
9/28/2010	<0.0013	
4/12/2011	<0.0013	
10/4/2011	<0.0013	
4/3/2012	<0.005	
10/9/2012	<0.0013	
4/11/2013	<0.0013	
10/16/2013	<0.0013	
4/10/2014	<0.001	
9/30/2014	<0.0013	
3/30/2015	<0.0013	
10/13/2015	<0.0013	
3/23/2016	<0.01	
5/19/2016	<0.01	
7/29/2016	<0.01 (*)	
9/22/2016	<0.01	
11/10/2016	<0.01	
1/31/2017	<0.01	
4/3/2017	<0.01 (*)	
6/9/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.0013	
4/23/2009	0.0031	
10/6/2009	0.0024	
5/3/2010	<0.0013	
10/11/2010	0.0028	
4/27/2011	0.0041	
10/19/2011	<0.0013	
5/1/2012	<0.005	
10/2/2012	0.0019	
4/10/2013	0.0027	
10/16/2013	0.0029	
4/22/2014	0.0024	
10/1/2014	<0.0013	
3/30/2015	0.0022	
10/11/2015	<0.0013	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/11/2016	<0.01 (*)	
1/30/2017	<0.01	
4/3/2017	<0.01 (*)	
6/12/2017	0.0005 (J)	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	0.036	
11/1/2007	0.01	
11/20/2007	0.0039	
1/30/2008	0.019	
3/6/2008	<0.0013	
5/8/2008	0.01	
12/14/2008	0.0038	
4/29/2009	<0.0013	
10/21/2009	<0.0013	
4/21/2010	<0.0013	
9/28/2010	<0.0013	
4/12/2011	<0.0013	
10/4/2011	0.0019	
4/3/2012	<0.005	
10/8/2012	<0.0013	
4/3/2013	<0.0013	
10/15/2013	<0.0013	
4/9/2014	<0.001	
10/2/2014	<0.0013	
4/2/2015	<0.0013	
10/12/2015	<0.0013	
3/31/2016	<0.01	
5/26/2016	<0.01	
8/3/2016	<0.01 (*)	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/7/2017	0.0019 (J)	
4/10/2017	<0.01 (*)	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

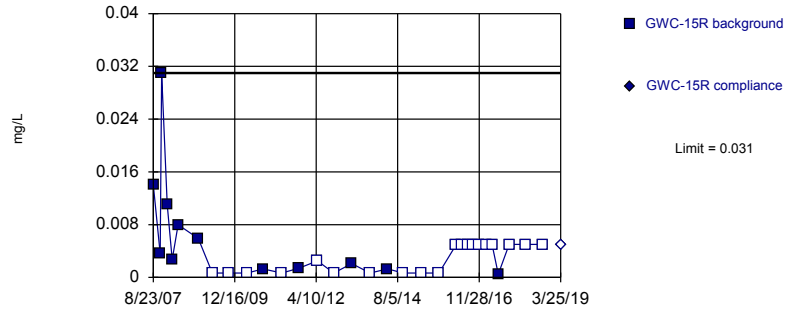
Constituent: Chromium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R
8/21/2007	0.037
11/1/2007	0.04
11/18/2007	0.045
1/30/2008	0.041
3/6/2008	0.042
5/7/2008	0.029
12/14/2008	0.032
4/29/2009	0.017
10/22/2009	0.022
4/21/2010	0.021
9/29/2010	0.024
4/13/2011	0.014
10/4/2011	0.017
4/4/2012	0.014
10/3/2012	0.0033
4/3/2013	0.017
10/9/2013	0.015
4/2/2014	0.014
10/2/2014	0.0048
4/1/2015	0.0084
10/11/2015	0.019
4/4/2016	0.00728 (J)
5/26/2016	0.00553 (J)
8/4/2016	0.0071 (J)
9/28/2016	0.0093 (J)
11/22/2016	0.0058 (J)
2/8/2017	0.0072 (J)
4/10/2017	<0.01 (*)
6/15/2017	0.0066 (J)
10/4/2017	0.0079 (J)
3/22/2018	0.0062 (J)
9/18/2018	0.0062 (J)
3/23/2019	0.0048 (X)

Within Limit

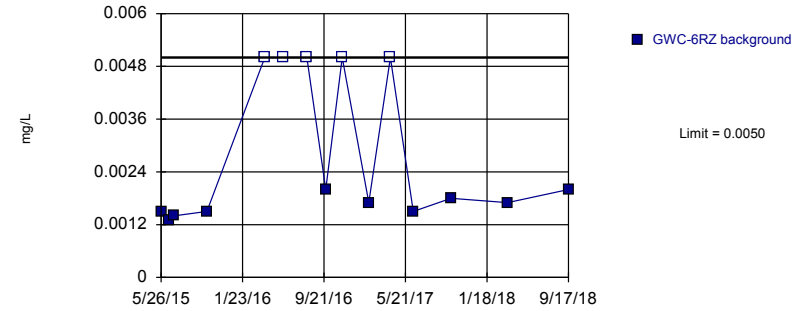
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

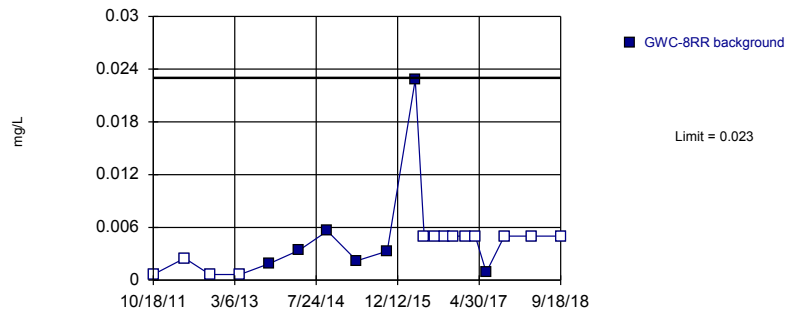
Prediction Limit  
Intrawell Non-parametric, GWC-6RZ



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2). Assumes 1 future value.

Constituent: Chromium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-8RR

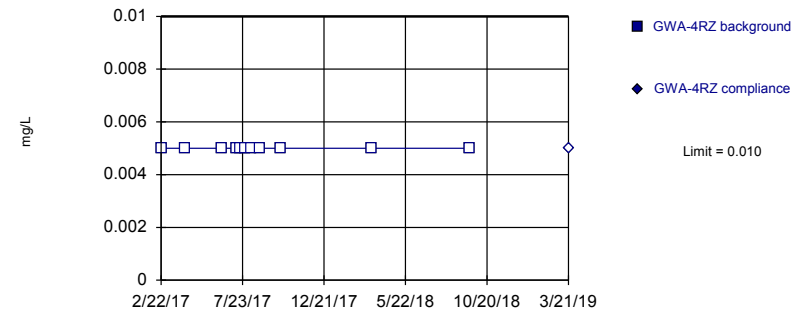


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Chromium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Chromium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	0.014	
11/2/2007	0.0036	
11/17/2007	0.031	
1/15/2008	0.011	
3/6/2008	0.0027	
5/7/2008	0.008	
12/2/2008	0.0059	
4/28/2009	<0.0013	
10/19/2009	<0.0013	
4/27/2010	<0.0013	
10/4/2010	0.0013	
4/18/2011	<0.0013	
10/12/2011	0.0014	
4/23/2012	<0.005	
10/10/2012	<0.0013	
4/15/2013	0.0021	
10/22/2013	<0.0013	
4/21/2014	0.0013 (J)	
9/30/2014	<0.0013	
4/3/2015	<0.0013	
10/7/2015	<0.0013	
4/5/2016	<0.01	
5/31/2016	<0.01	
8/4/2016	<0.01 (*)	
9/29/2016	<0.01	
11/23/2016	<0.01	
2/10/2017	<0.01	
4/12/2017	<0.01 (*)	
6/15/2017	0.0005 (J)	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ
5/26/2015	0.0015
6/18/2015	0.0013 (D)
7/2/2015	0.0014
10/9/2015	0.0015
3/29/2016	<0.01
5/24/2016	<0.01
8/1/2016	<0.01 (*)
9/26/2016	0.002 (J)
11/14/2016	<0.01 (*)
2/1/2017	0.0017 (J)
4/6/2017	<0.01 (*)
6/13/2017	0.0015 (J)
10/3/2017	0.0018 (J)
3/20/2018	0.0017 (J)
9/17/2018	0.002 (J)
3/21/2019	0.0025 (X)



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWC-8RR

10/18/2011	<0.0013
4/30/2012	<0.005
10/3/2012	<0.0013
4/8/2013	<0.0013
10/9/2013	0.0019
4/10/2014	0.0034
10/2/2014	0.0056
4/3/2015	0.0022
10/8/2015	0.0033
3/30/2016	0.0228 (J)
5/24/2016	<0.01
8/2/2016	<0.01 (*)
9/27/2016	<0.01
11/22/2016	<0.01
2/6/2017	<0.01
4/6/2017	<0.01 (*)
6/14/2017	0.0009 (J)
10/4/2017	<0.01
3/21/2018	<0.01
9/18/2018	<0.01
3/27/2019	0.0021 (X)

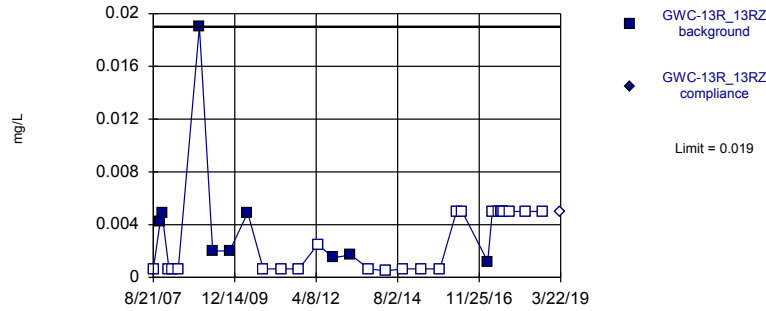
# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	<0.01	
4/7/2017	<0.01	
6/14/2017	<0.01	
7/12/2017	<0.01	
7/20/2017	<0.01	
7/28/2017	<0.01	
8/9/2017	<0.01	
8/24/2017	<0.01	
10/3/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		<0.01

Within Limit

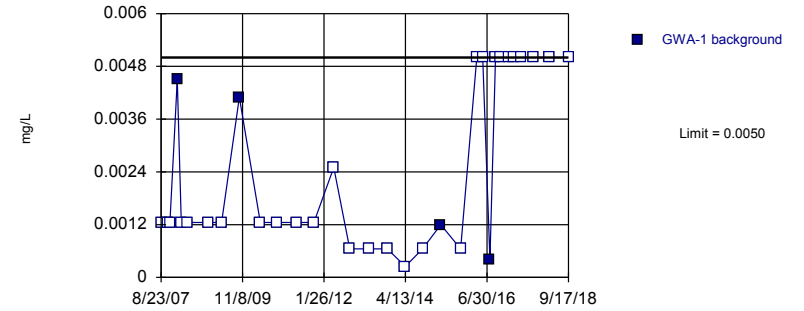
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 8/23/2019 1:34 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Non-parametric, GWA-1 (bg)

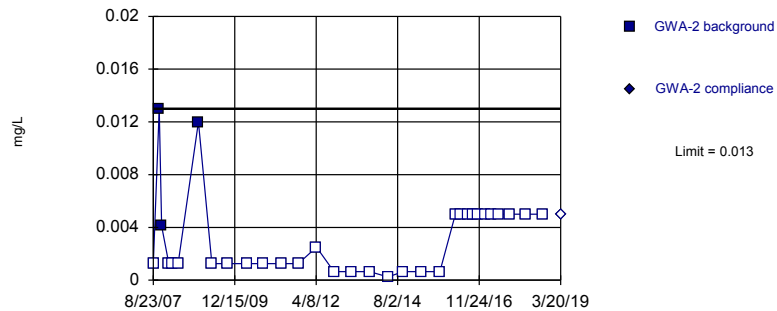


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2). Assumes 1 future value.

Constituent: Cobalt Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

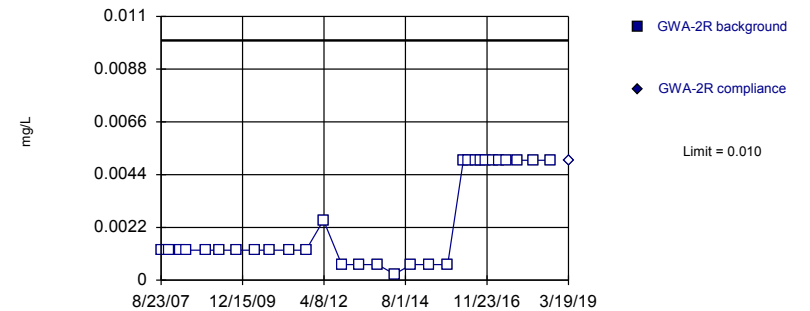


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 31) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cobalt Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.0013	
11/1/2007	0.0042	
11/19/2007	0.0049	
1/31/2008	<0.0013	
3/5/2008	<0.0013	
5/7/2008	<0.0013	
12/12/2008	0.019	
4/29/2009	0.002	
10/21/2009	0.002	
4/28/2010	0.0049	
10/6/2010	<0.0013	
4/20/2011	<0.0013	
10/12/2011	<0.0013	
4/25/2012	<0.005	
10/2/2012	0.0015	
4/2/2013	0.0017	
10/8/2013	<0.0013	
4/1/2014	<0.001	
10/1/2014	<0.0013	
3/31/2015	<0.0013	
10/14/2015	<0.0013	
4/4/2016	<0.01 (D)	
6/1/2016	<0.01 (D)	
2/22/2017	0.0012 (J)	
4/11/2017	<0.01 (*)	
6/16/2017	<0.01	
7/12/2017	<0.01	
7/28/2017	<0.01	
8/10/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1
8/23/2007	<0.0025
10/23/2007	<0.0025
11/18/2007	<0.0025
1/30/2008	0.0045
3/10/2008	<0.0025
5/13/2008	<0.0025
12/5/2008	<0.0025
4/15/2009	<0.0025
10/7/2009	0.0041
5/3/2010	<0.0025
10/12/2010	<0.0025
4/27/2011	<0.0025
10/17/2011	<0.0025
5/2/2012	<0.005
10/8/2012	<0.0013
4/12/2013	<0.0013
10/16/2013	<0.0013
4/11/2014	<0.0005
9/30/2014	<0.0013
3/30/2015	0.0012 (J)
10/13/2015	<0.0013
3/22/2016	<0.01
5/19/2016	<0.01
7/29/2016	0.0004 (J)
9/23/2016	<0.01
11/9/2016	<0.01
1/30/2017	<0.01
3/30/2017	<0.01
6/9/2017	<0.01
10/2/2017	<0.01
3/16/2018	<0.01
9/17/2018	<0.01 (D)
3/20/2019	0.00078 (X)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.0025	
10/24/2007	0.013	
11/18/2007	0.0041	
1/31/2008	<0.0025	
3/11/2008	<0.0025	
5/6/2008	<0.0025	
12/4/2008	0.012	
4/21/2009	<0.0025	
10/7/2009	<0.0025	
4/26/2010	<0.0025	
10/4/2010	<0.0025	
4/13/2011	<0.0025	
10/5/2011	<0.0025	
4/11/2012	<0.005	
10/9/2012	<0.0013	
4/15/2013	<0.0013	
10/15/2013	<0.0013	
4/22/2014	<0.0005	
9/30/2014	<0.0013	
3/30/2015	<0.0013	
10/13/2015	<0.0013	
3/23/2016	<0.01	
5/20/2016	<0.01	
7/29/2016	<0.01	
9/23/2016	<0.01	
11/9/2016	<0.01	
1/31/2017	<0.01	
3/30/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019		<0.01

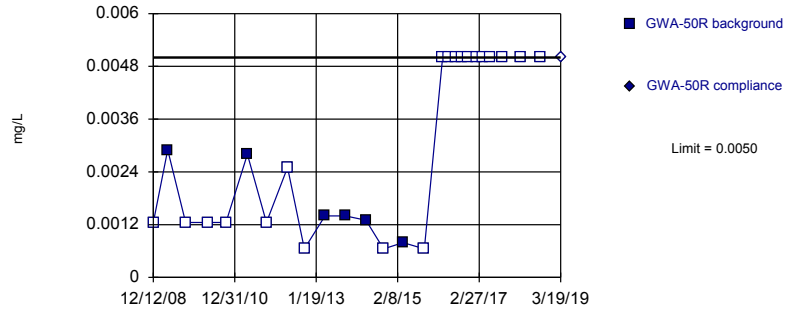
# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.0025	
10/24/2007	<0.0025	
11/18/2007	<0.0025	
1/31/2008	0.0083 (O)	
3/10/2008	<0.0025	
5/13/2008	<0.0025	
12/4/2008	<0.0025	
4/21/2009	<0.0025	
10/8/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.005	
10/9/2012	<0.0013	
4/11/2013	<0.0013	
10/16/2013	<0.0013	
4/10/2014	<0.0005	
9/30/2014	<0.0013	
3/30/2015	<0.0013	
10/13/2015	<0.0013	
3/23/2016	<0.01	
5/19/2016	<0.01	
7/29/2016	<0.01	
9/22/2016	<0.01	
11/10/2016	<0.01	
1/31/2017	<0.01	
4/3/2017	<0.01	
6/9/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

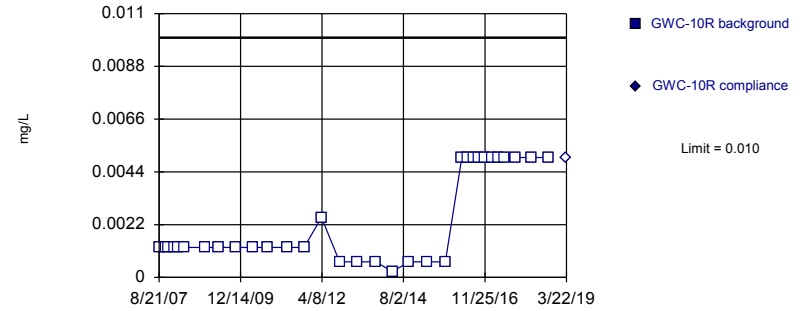


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

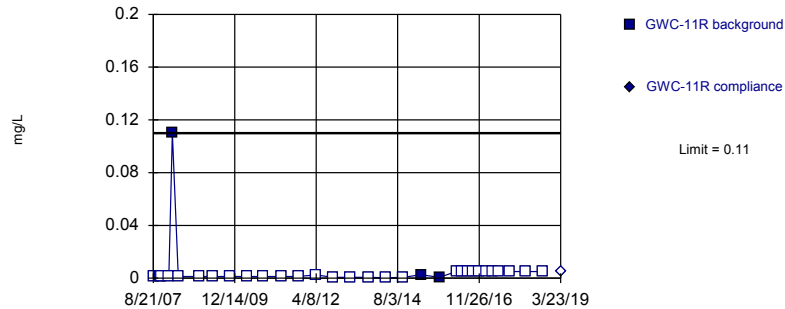


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

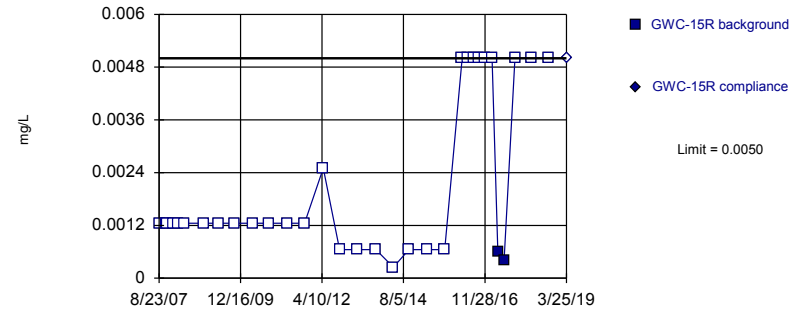


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.0025	
4/23/2009	0.0029	
10/6/2009	<0.0025	
5/3/2010	<0.0025	
10/11/2010	<0.0025	
4/27/2011	0.0028	
10/19/2011	<0.0025	
5/1/2012	<0.005	
10/2/2012	<0.0013	
4/10/2013	0.0014	
10/16/2013	0.0014	
4/22/2014	0.0013	
10/1/2014	<0.0013	
3/30/2015	0.00079 (J)	
10/11/2015	<0.0013	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/11/2016	<0.01	
1/30/2017	<0.01	
4/3/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/20/2007	<0.0025	
1/30/2008	<0.0025	
3/6/2008	<0.0025	
5/8/2008	<0.0025	
12/14/2008	<0.0025	
4/29/2009	<0.0025	
10/21/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.005	
10/8/2012	<0.0013	
4/3/2013	<0.0013	
10/15/2013	<0.0013	
4/9/2014	<0.0005	
10/2/2014	<0.0013	
4/2/2015	<0.0013	
10/12/2015	<0.0013	
3/31/2016	<0.01	
5/26/2016	<0.01	
8/3/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/7/2017	<0.01	
4/10/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/18/2007	<0.0025	
1/30/2008	<0.0025	
3/6/2008	0.11	
5/7/2008	<0.0025	
12/14/2008	<0.0025	
4/29/2009	<0.0025	
10/22/2009	<0.0025	
4/21/2010	<0.0025	
9/29/2010	<0.0025	
4/13/2011	<0.0025	
10/4/2011	<0.0025	
4/4/2012	<0.005	
10/3/2012	<0.0013	
4/3/2013	<0.0013	
10/9/2013	<0.0013	
4/2/2014	<0.0005	
10/2/2014	<0.0013	
4/1/2015	0.0026	
10/11/2015	0.00065 (J)	
4/4/2016	<0.01	
5/26/2016	<0.01	
8/4/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/8/2017	<0.01	
4/10/2017	<0.01	
6/15/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01

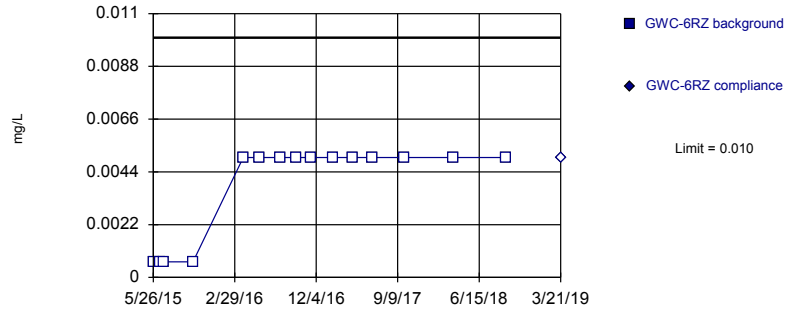
# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.0025	
11/2/2007	<0.0025	
11/17/2007	<0.0025	
1/15/2008	<0.0025	
3/6/2008	<0.0025	
5/7/2008	<0.0025	
12/2/2008	<0.0025	
4/28/2009	<0.0025	
10/19/2009	<0.0025	
4/27/2010	<0.0025	
10/4/2010	<0.0025	
4/18/2011	<0.0025	
10/12/2011	<0.0025	
4/23/2012	<0.005	
10/10/2012	<0.0013	
4/15/2013	<0.0013	
10/22/2013	<0.0013	
4/21/2014	<0.0005	
9/30/2014	<0.0013	
4/3/2015	<0.0013	
10/7/2015	<0.0013	
4/5/2016	<0.01	
5/31/2016	<0.01	
8/4/2016	<0.01	
9/29/2016	<0.01	
11/23/2016	<0.01	
2/10/2017	<0.01	
4/12/2017	0.0006 (J)	
6/15/2017	0.0004 (J)	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

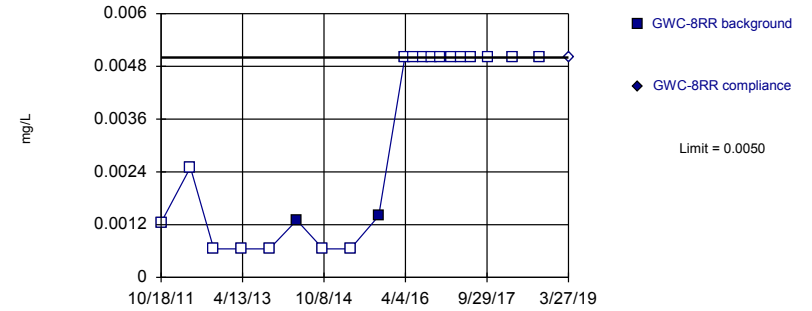


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Cobalt Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

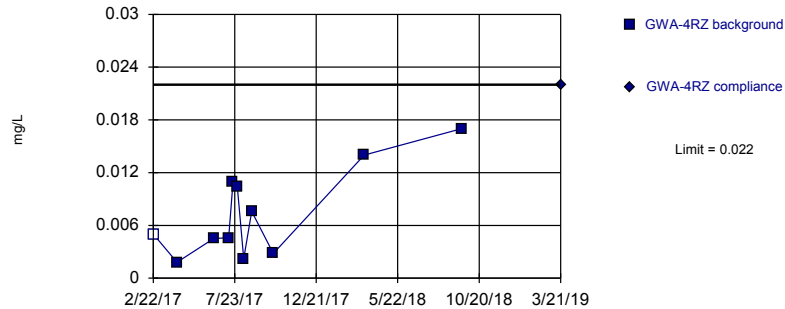


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

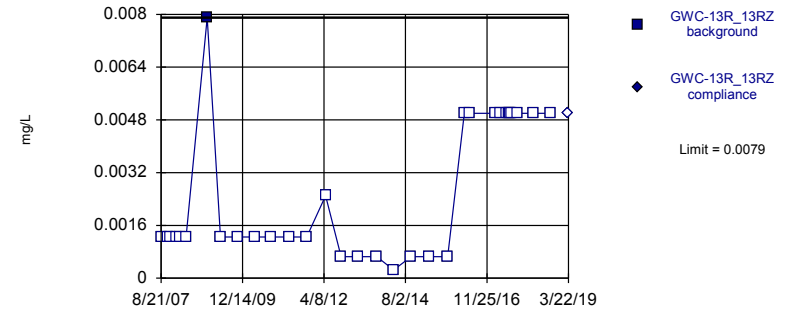


Background Data Summary: Mean=0.007345, Std. Dev.=0.005085, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9063, critical = 0.792. Kappa = 2.837 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Cobalt Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.0013	
6/18/2015	<0.0013 (D)	
7/2/2015	<0.0013	
10/9/2015	<0.0013	
3/29/2016	<0.01	
5/24/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/14/2016	<0.01	
2/1/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.0025	
4/30/2012	<0.005	
10/3/2012	<0.0013	
4/8/2013	<0.0013	
10/9/2013	<0.0013	
4/10/2014	0.0013 (J)	
10/2/2014	<0.0013	
4/3/2015	<0.0013	
10/8/2015	0.0014	
3/30/2016	<0.01	
5/24/2016	<0.01	
8/2/2016	<0.01	
9/27/2016	<0.01	
11/22/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	<0.01	
4/7/2017	0.0018 (J)	
6/14/2017	0.0045 (J)	
7/12/2017	0.0046 (J)	
7/20/2017	0.0109	
7/28/2017	0.0104	
8/9/2017	0.0022 (J)	
8/24/2017	0.0076 (J)	
10/3/2017	0.0028 (J)	
3/21/2018	0.014	
9/18/2018	0.017	
3/21/2019		0.022



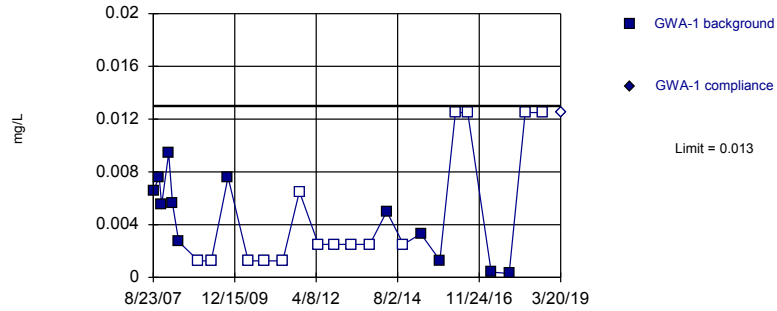
# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/19/2007	<0.0025	
1/31/2008	<0.0025	
3/5/2008	<0.0025	
5/7/2008	<0.0025	
12/12/2008	0.0079	
4/29/2009	<0.0025	
10/21/2009	<0.0025	
4/28/2010	<0.0025	
10/6/2010	<0.0025	
4/20/2011	<0.0025	
10/12/2011	<0.0025	
4/25/2012	<0.005	
10/2/2012	<0.0013	
4/2/2013	<0.0013	
10/8/2013	<0.0013	
4/1/2014	<0.0005	
10/1/2014	<0.0013	
3/31/2015	<0.0013	
10/14/2015	<0.0013	
4/4/2016	<0.01	
6/1/2016	<0.01	
2/22/2017	<0.01	
4/11/2017	<0.01	
6/16/2017	<0.01	
7/12/2017	<0.01	
7/28/2017	<0.01	
8/10/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

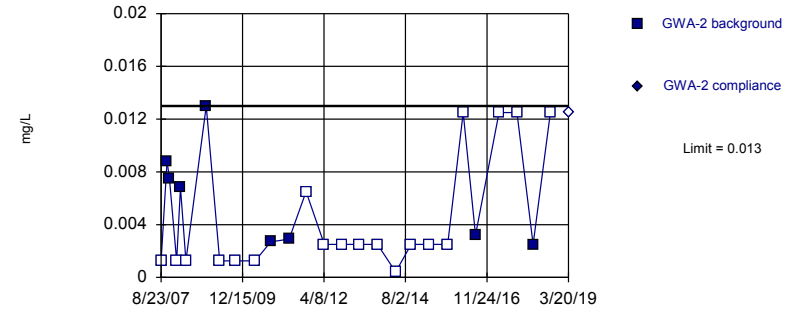


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

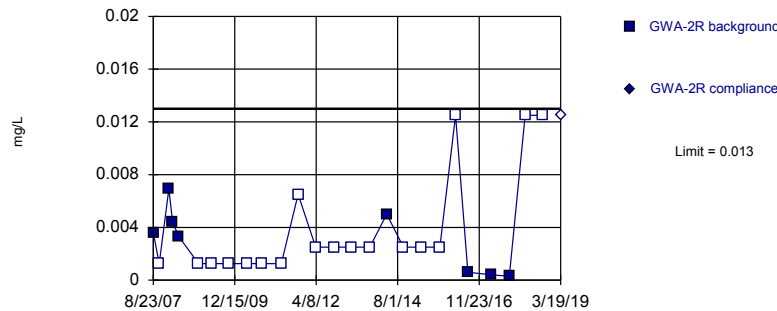


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

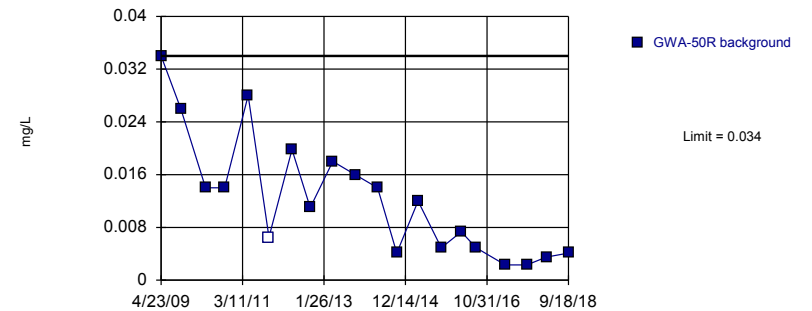


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Copper Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric, GWA-50R (bg)



Background Data Summary: Mean=0.01234, Std. Dev.=0.00917, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8981, critical = 0.868. Kappa = 2.372 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486. Assumes 1 future value.

Constituent: Copper Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	0.0066	
10/23/2007	0.0076	
11/18/2007	0.0055 (J)	
1/30/2008	0.0094	
3/10/2008	0.0056	
5/13/2008	0.0027	
12/5/2008	<0.0025	
4/15/2009	<0.0025	
10/7/2009	0.0076	
5/3/2010	<0.0025	
10/12/2010	<0.0025	
4/27/2011	<0.0025	
10/17/2011	<0.013	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	0.005 (J)	
9/30/2014	<0.005	
3/30/2015	0.0033 (J)	
10/13/2015	0.0013 (J)	
3/22/2016	<0.025	
7/29/2016	<0.025	
3/30/2017	0.0004 (J)	
10/2/2017	0.0003 (J)	
3/16/2018	<0.025	
9/17/2018	<0.025 (D)	
3/20/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.0025	
10/24/2007	0.0088	
11/18/2007	0.0075	
1/31/2008	<0.0025	
3/11/2008	0.0068	
5/6/2008	<0.0025	
12/4/2008	0.013	
4/21/2009	<0.0025	
10/7/2009	<0.0025	
4/26/2010	<0.0025	
10/4/2010	0.0027	
4/13/2011	0.0029	
10/5/2011	<0.013	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.000825	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.025	
7/29/2016	0.0032 (J)	
3/30/2017	<0.025	
10/2/2017	<0.025	
3/19/2018	0.0025 (J)	
9/14/2018	<0.025	
3/20/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	0.0036	
10/24/2007	<0.0025	
11/18/2007	0.013 (O)	
1/31/2008	0.0069	
3/10/2008	0.0044	
5/13/2008	0.0033	
12/4/2008	<0.0025	
4/21/2009	<0.0025	
10/8/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.013	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	0.005 (J)	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.025	
7/29/2016	0.0006 (J)	
4/3/2017	0.0004 (J)	
10/2/2017	0.0003 (J)	
3/16/2018	<0.025	
9/14/2018	<0.025	
3/19/2019		<0.025

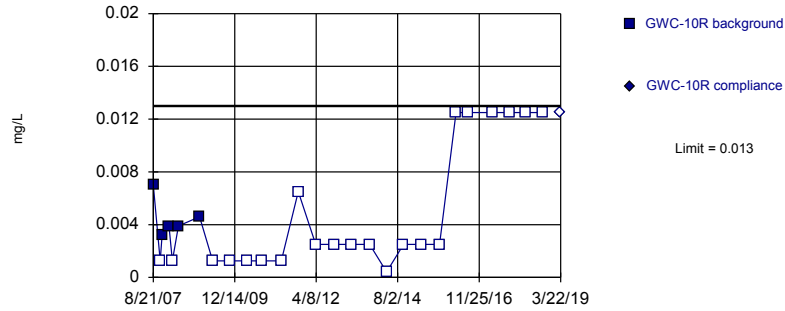
# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R
12/12/2008	0.064 (O)
4/23/2009	0.034
10/6/2009	0.026
5/3/2010	0.014
10/11/2010	0.014
4/27/2011	0.028
10/19/2011	<0.013
5/1/2012	0.0198
10/2/2012	0.011
4/10/2013	0.018
10/16/2013	0.016
4/22/2014	0.014
10/1/2014	0.0041 (J)
3/30/2015	0.012
10/11/2015	0.0049 (J)
3/28/2016	0.00734 (J)
8/1/2016	0.0049 (J)
4/3/2017	0.0023 (J)
10/2/2017	0.0023 (J)
3/16/2018	0.0035 (J)
9/18/2018	0.0041 (J)
3/19/2019	0.0029 (X)

Within Limit

Prediction Limit  
Intrawell Non-parametric

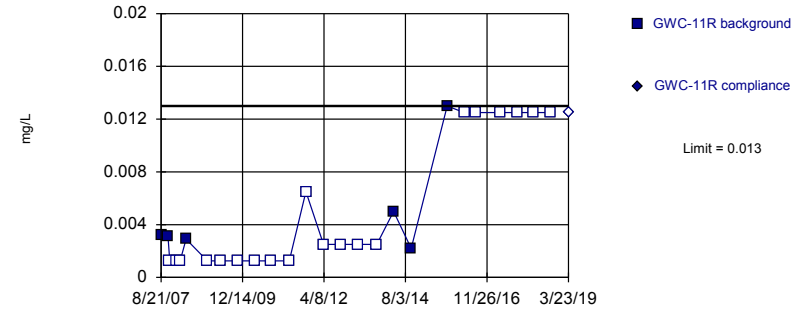


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

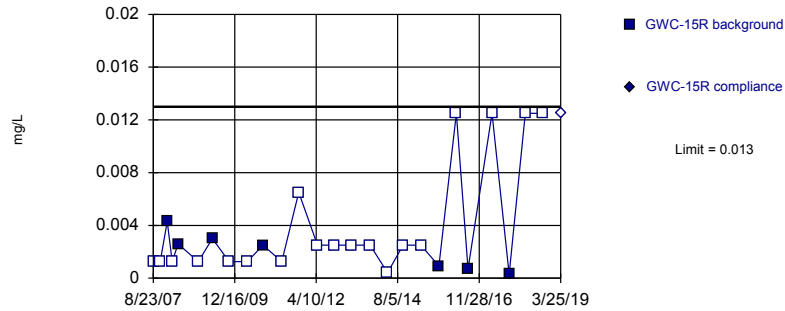


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Copper Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

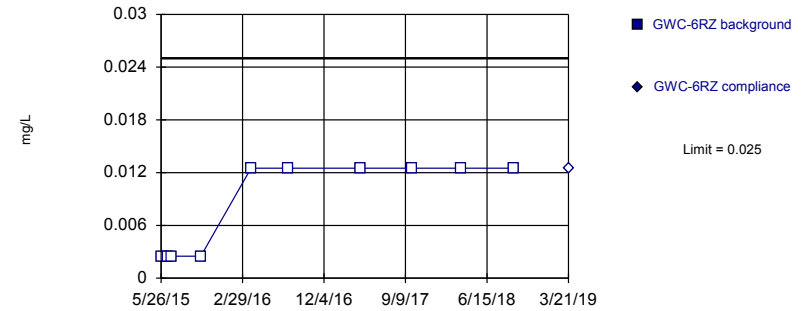


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 73.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Copper Analysis Run 8/23/2019 1:35 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Copper Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	0.007	
11/1/2007	<0.0025	
11/20/2007	0.0032	
1/30/2008	0.0039	
3/6/2008	<0.0025	
5/8/2008	0.0039	
12/14/2008	0.0046	
4/29/2009	<0.0025	
10/21/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.013	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.000825	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.025	
8/3/2016	<0.025	
4/10/2017	<0.025	
10/4/2017	<0.025	
3/21/2018	<0.025	
9/18/2018	<0.025	
3/22/2019		<0.025



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	0.0032	
11/1/2007	0.0031	
11/18/2007	<0.0025	
1/30/2008	<0.0025	
3/6/2008	<0.0025	
5/7/2008	0.0029	
12/14/2008	<0.0025	
4/29/2009	<0.0025	
10/22/2009	<0.0025	
4/21/2010	<0.0025	
9/29/2010	<0.0025	
4/13/2011	<0.0025	
10/4/2011	<0.013	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	0.005 (J)	
10/2/2014	0.0022 (J)	
4/1/2015	0.019 (O)	
10/11/2015	0.013	
4/4/2016	<0.025	
8/4/2016	<0.025	
4/10/2017	<0.025	
10/4/2017	<0.025	
3/22/2018	<0.025	
9/18/2018	<0.025	
3/23/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.0025	
11/2/2007	<0.0025	
11/17/2007	0.02 (O)	
1/15/2008	0.0043	
3/6/2008	<0.0025	
5/7/2008	0.0026	
12/2/2008	<0.0025	
4/28/2009	0.003	
10/19/2009	<0.0025	
4/27/2010	<0.0025	
10/4/2010	0.0025	
4/18/2011	<0.0025	
10/12/2011	<0.013	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.000825	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	0.00093 (J)	
4/5/2016	<0.025	
8/4/2016	0.0007 (J)	
4/12/2017	<0.025	
10/6/2017	0.0003 (J)	
3/23/2018	<0.025	
9/19/2018	<0.025	
3/25/2019		<0.025

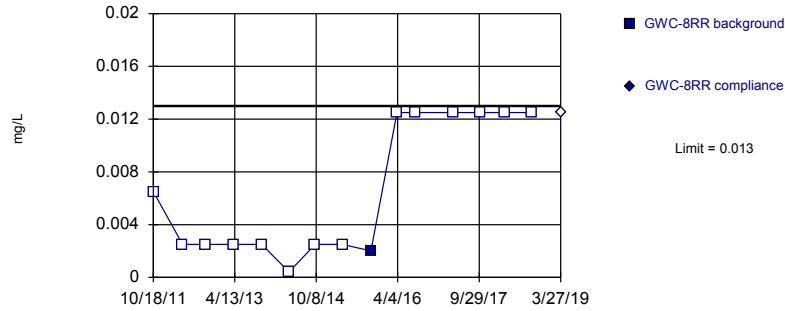
# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.025	
8/1/2016	<0.025	
4/6/2017	<0.025	
10/3/2017	<0.025	
3/20/2018	<0.025	
9/17/2018	<0.025	
3/21/2019		<0.025

Within Limit

Prediction Limit  
Intrawell Non-parametric

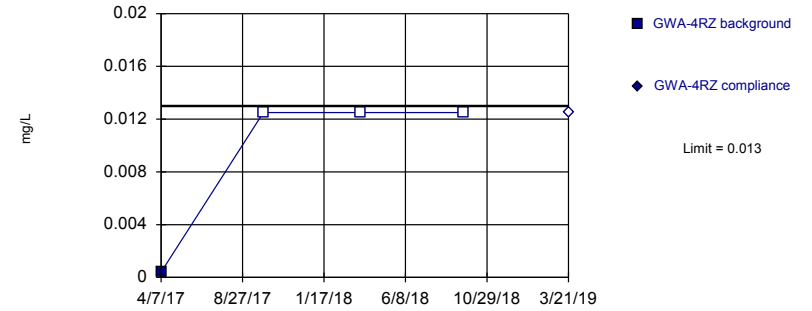


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

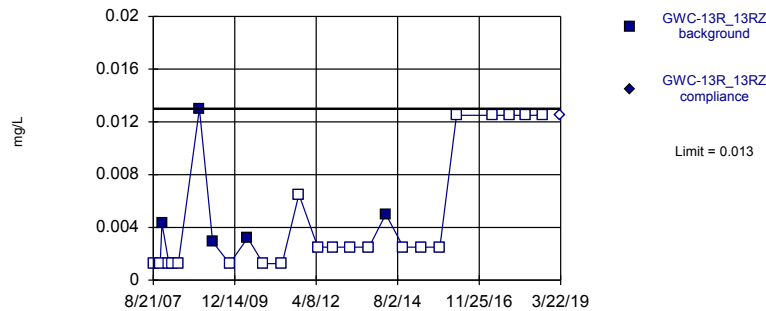


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 4 background values. 75% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Copper Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

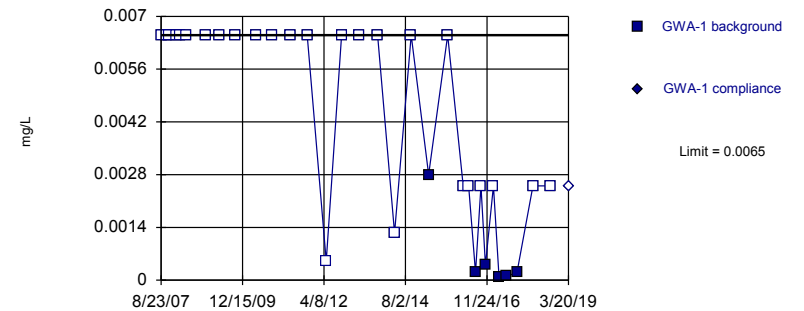


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Copper Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.013	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.000825	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.002 (J)	
3/30/2016	<0.025	
8/2/2016	<0.025	
4/6/2017	<0.025	
10/4/2017	<0.025	
3/21/2018	<0.025	
9/18/2018	<0.025	
3/27/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
4/7/2017	0.0004 (J)	
10/3/2017	<0.025	
3/21/2018	<0.025	
9/18/2018	<0.025	
3/21/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/19/2007	0.0043	
1/31/2008	<0.0025	
3/5/2008	<0.0025	
5/7/2008	<0.0025	
12/12/2008	0.013	
4/29/2009	0.0029	
10/21/2009	<0.0025	
4/28/2010	0.0032	
10/6/2010	<0.0025	
4/20/2011	<0.0025	
10/12/2011	<0.013	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	0.005 (J)	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.025	
4/11/2017	<0.025	
10/6/2017	<0.025	
3/23/2018	<0.025	
9/20/2018	<0.025	
3/22/2019		<0.025

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

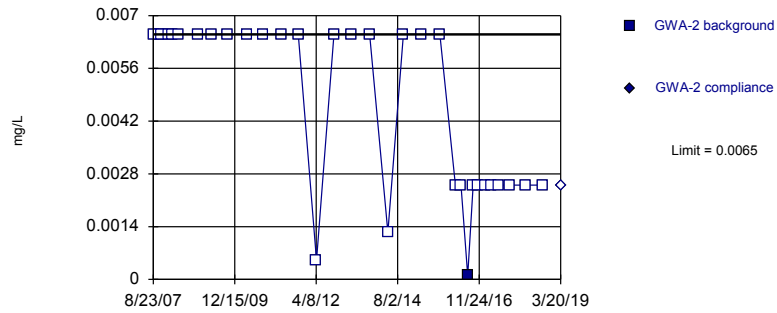
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.013	
10/23/2007	<0.013	
11/18/2007	<0.013	
1/30/2008	<0.013	
3/10/2008	<0.013	
5/13/2008	<0.013	
12/5/2008	<0.013	
4/15/2009	<0.013	
10/7/2009	<0.013	
5/3/2010	<0.013	
10/12/2010	<0.013	
4/27/2011	<0.013	
10/17/2011	<0.013	
5/2/2012	<0.001	
10/8/2012	<0.013	
4/12/2013	<0.013	
10/16/2013	<0.013	
4/11/2014	<0.0025	
9/30/2014	<0.013	
3/30/2015	0.0028 (J)	
10/13/2015	<0.013	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	0.0002 (J)	
9/23/2016	<0.005 (*)	
11/9/2016	0.0004 (J)	
1/30/2017	<0.005 (*)	
3/30/2017	8E-05 (J)	
6/9/2017	0.0001 (J)	
10/2/2017	0.0002 (J)	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019		<0.005



Within Limit

Prediction Limit  
Intrawell Non-parametric

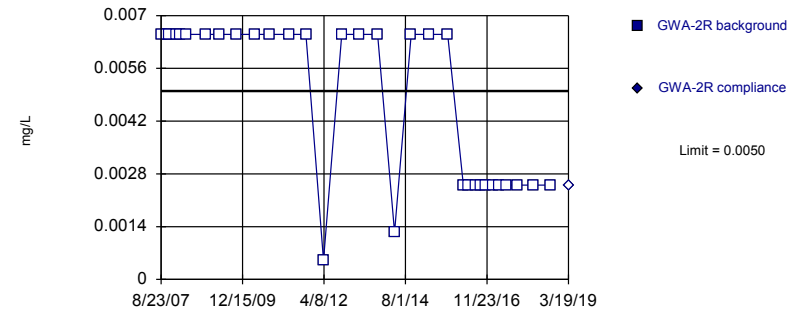


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

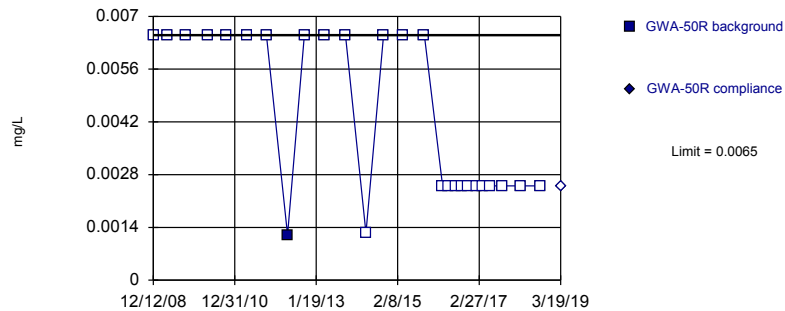


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

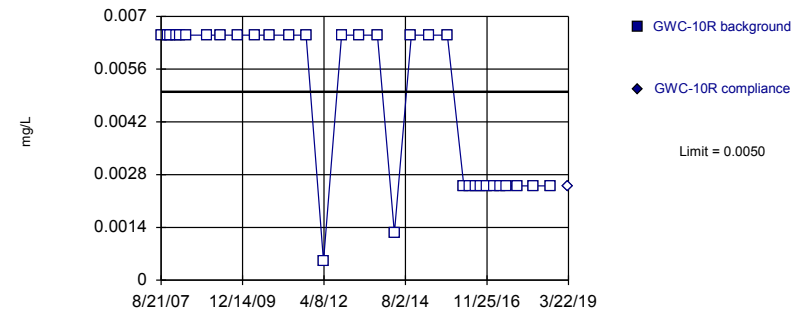


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.013	
10/24/2007	<0.013	
11/18/2007	<0.013	
1/31/2008	<0.013	
3/11/2008	<0.013	
5/6/2008	<0.013	
12/4/2008	<0.013	
4/21/2009	<0.013	
10/7/2009	<0.013	
4/26/2010	<0.013	
10/4/2010	<0.013	
4/13/2011	<0.013	
10/5/2011	<0.013	
4/11/2012	<0.001	
10/9/2012	<0.013	
4/15/2013	<0.013	
10/15/2013	<0.013	
4/22/2014	<0.0025	
9/30/2014	<0.013	
3/30/2015	<0.013	
10/13/2015	<0.013	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/29/2016	0.0001 (J)	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005 (*)	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	<0.005	
9/14/2018	<0.005	
3/20/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.013	
10/24/2007	<0.013	
11/18/2007	<0.013	
1/31/2008	<0.013	
3/10/2008	<0.013	
5/13/2008	<0.013	
12/4/2008	<0.013	
4/21/2009	<0.013	
10/8/2009	<0.013	
4/21/2010	<0.013	
9/28/2010	<0.013	
4/12/2011	<0.013	
10/4/2011	<0.013	
4/3/2012	<0.001	
10/9/2012	<0.013	
4/11/2013	<0.013	
10/16/2013	<0.013	
4/10/2014	<0.0025	
9/30/2014	<0.013	
3/30/2015	<0.013	
10/13/2015	<0.013	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.013	
4/23/2009	<0.013	
10/6/2009	<0.013	
5/3/2010	<0.013	
10/11/2010	<0.013	
4/27/2011	<0.013	
10/19/2011	<0.013	
5/1/2012	0.0012	
10/2/2012	<0.013	
4/10/2013	<0.013	
10/16/2013	<0.013	
4/22/2014	<0.0025	
10/1/2014	<0.013	
3/30/2015	<0.013	
10/11/2015	<0.013	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/11/2016	<0.005	
1/30/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/18/2018	<0.005	
3/19/2019		<0.005

# Prediction Limit

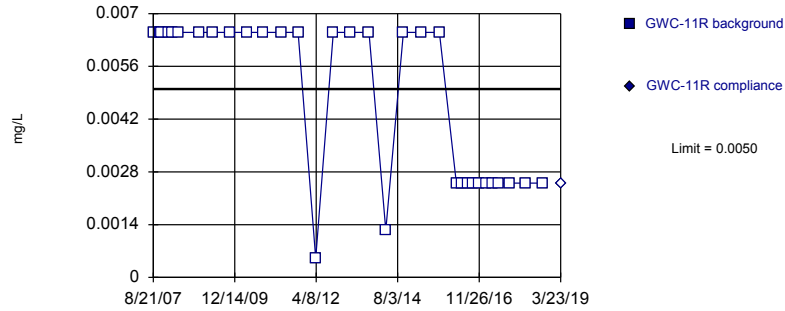
Constituent: Lead (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.013	
11/1/2007	<0.013	
11/20/2007	<0.013	
1/30/2008	<0.013	
3/6/2008	<0.013	
5/8/2008	<0.013	
12/14/2008	<0.013	
4/29/2009	<0.013	
10/21/2009	<0.013	
4/21/2010	<0.013	
9/28/2010	<0.013	
4/12/2011	<0.013	
10/4/2011	<0.013	
4/3/2012	<0.001	
10/8/2012	<0.013	
4/3/2013	<0.013	
10/15/2013	<0.013	
4/9/2014	<0.0025	
10/2/2014	<0.013	
4/2/2015	<0.013	
10/12/2015	<0.013	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

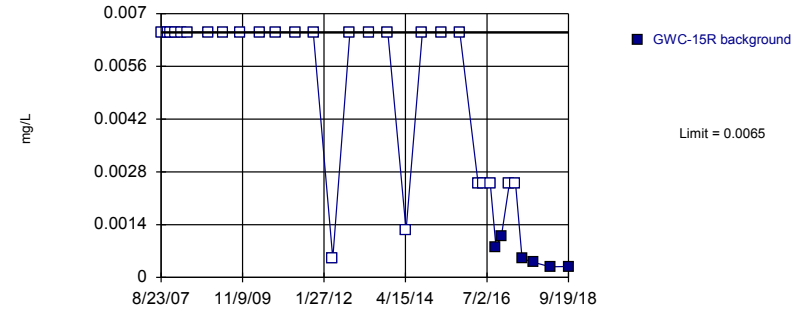


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-15R

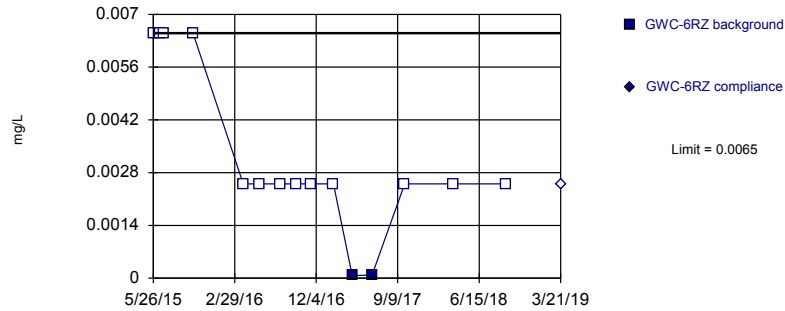


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2). Assumes 1 future value.

Constituent: Lead Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

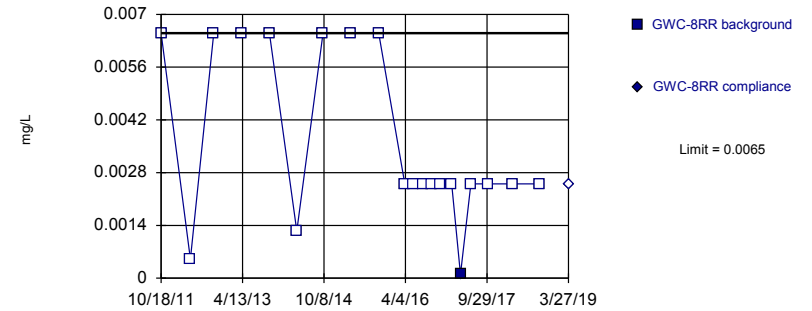


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.013	
11/1/2007	<0.013	
11/18/2007	<0.013	
1/30/2008	<0.013	
3/6/2008	<0.013	
5/7/2008	<0.013	
12/14/2008	<0.013	
4/29/2009	<0.013	
10/22/2009	<0.013	
4/21/2010	<0.013	
9/29/2010	<0.013	
4/13/2011	<0.013	
10/4/2011	<0.013	
4/4/2012	<0.001	
10/3/2012	<0.013	
4/3/2013	<0.013	
10/9/2013	<0.013	
4/2/2014	<0.0025	
10/2/2014	<0.013	
4/1/2015	<0.013	
10/11/2015	<0.013	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/4/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R
8/23/2007	<0.013
11/2/2007	<0.013
11/17/2007	<0.013
1/15/2008	<0.013
3/6/2008	<0.013
5/7/2008	<0.013
12/2/2008	<0.013
4/28/2009	<0.013
10/19/2009	<0.013
4/27/2010	<0.013
10/4/2010	<0.013
4/18/2011	<0.013
10/12/2011	<0.013
4/23/2012	<0.001
10/10/2012	<0.013
4/15/2013	<0.013
10/22/2013	<0.013
4/21/2014	<0.0025
9/30/2014	<0.013
4/3/2015	<0.013
10/7/2015	<0.013
4/5/2016	<0.005
5/31/2016	<0.005
8/4/2016	<0.005
9/29/2016	0.0008 (J)
11/23/2016	0.0011 (J)
2/10/2017	<0.005
4/12/2017	<0.005 (*)
6/15/2017	0.0005 (J)
10/6/2017	0.0004 (J)
3/23/2018	0.00028 (J)
9/19/2018	0.00029 (J)
3/25/2019	0.00047 (X)



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.013	
6/18/2015	<0.013 (D)	
7/2/2015	<0.013	
10/9/2015	<0.013	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/14/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	7E-05 (J)	
6/13/2017	8E-05 (J)	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019		<0.005

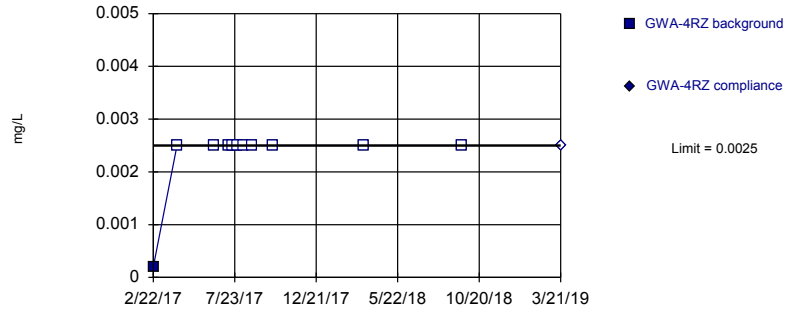
# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.013	
4/30/2012	<0.001	
10/3/2012	<0.013	
4/8/2013	<0.013	
10/9/2013	<0.013	
4/10/2014	<0.0025	
10/2/2014	<0.013	
4/3/2015	<0.013	
10/8/2015	<0.013	
3/30/2016	<0.005	
5/24/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/22/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	0.0001 (J)	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/27/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

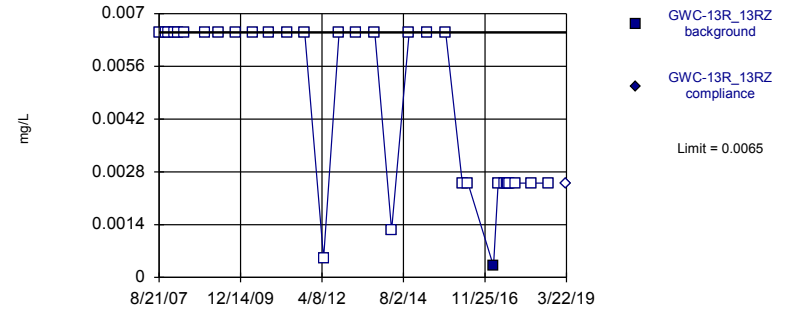


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Lead Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

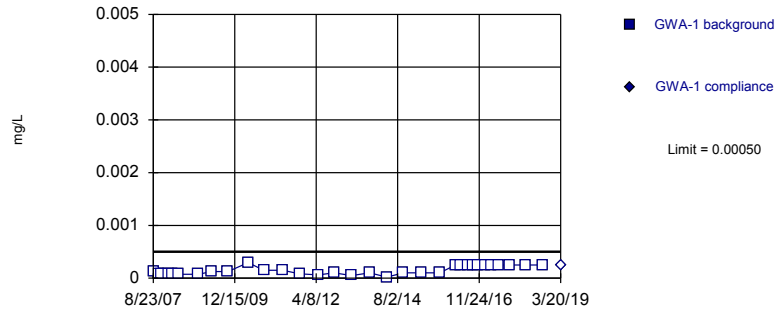


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

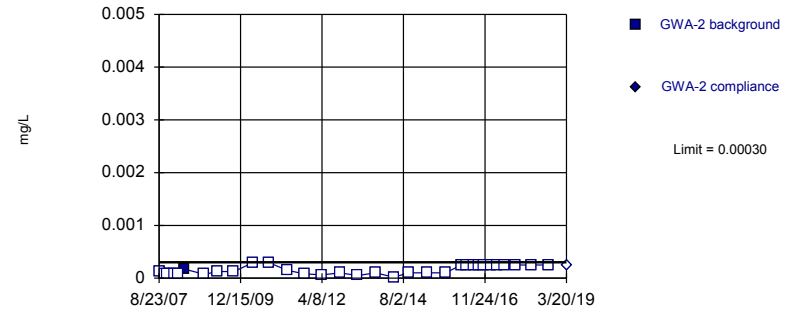


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Mercury Analysis Run 8/23/2019 1:36 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Mercury Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0002 (J)	
4/7/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
7/20/2017	<0.005	
7/28/2017	<0.005	
8/9/2017	<0.005	
8/24/2017	<0.005	
10/3/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/21/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.013	
11/1/2007	<0.013	
11/19/2007	<0.013	
1/31/2008	<0.013	
3/5/2008	<0.013	
5/7/2008	<0.013	
12/12/2008	<0.013	
4/29/2009	<0.013	
10/21/2009	<0.013	
4/28/2010	<0.013	
10/6/2010	<0.013	
4/20/2011	<0.013	
10/12/2011	<0.013	
4/25/2012	<0.001	
10/2/2012	<0.013	
4/2/2013	<0.013	
10/8/2013	<0.013	
4/1/2014	<0.0025	
10/1/2014	<0.013	
3/31/2015	<0.013	
10/14/2015	<0.013	
4/4/2016	<0.005	
6/1/2016	<0.005	
2/22/2017	0.0003 (J)	
4/11/2017	<0.005	
6/16/2017	<0.005	
7/12/2017	<0.005	
7/28/2017	<0.005	
8/10/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019		<0.005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.000254	
10/23/2007	<0.000145	
11/18/2007	<0.000145	
1/30/2008	<0.000145	
3/10/2008	<0.000145	
5/13/2008	<0.000145	
12/5/2008	<0.000145	
4/15/2009	<0.00025	
10/7/2009	<0.00025	
5/3/2010	<0.000591	
10/12/2010	<0.000299	
4/27/2011	<0.000299	
10/17/2011	<0.000168	
5/2/2012	<0.000123	
10/8/2012	<0.0002	
4/12/2013	<0.0001	
10/16/2013	<0.0002	
4/11/2014	<4.02E-05	
9/30/2014	<0.0002	
3/30/2015	<0.0002	
10/13/2015	<0.0002	
3/22/2016	<0.0005	
5/19/2016	<0.0005	
7/29/2016	<0.0005	
9/23/2016	<0.0005	
11/9/2016	<0.0005	
1/30/2017	<0.0005	
3/30/2017	<0.0005 (*)	
6/9/2017	<0.0005	
10/2/2017	<0.0005	
3/16/2018	<0.0005	
9/17/2018	<0.0005 (D)	
3/20/2019		<0.0005

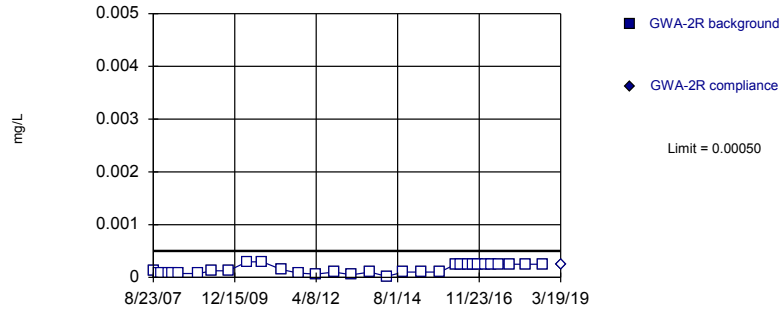
# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.000254	
10/24/2007	<0.000145	
11/18/2007	<0.000145	
1/31/2008	<0.000145	
3/11/2008	<0.000145	
5/6/2008	0.000175	
12/4/2008	<0.000145	
4/21/2009	<0.00025	
10/7/2009	<0.00025	
4/26/2010	<0.000591	
10/4/2010	<0.000591	
4/13/2011	<0.000299	
10/5/2011	<0.000168	
4/11/2012	<0.000123	
10/9/2012	<0.0002	
4/15/2013	<0.0001	
10/15/2013	<0.0002	
4/22/2014	<4.02E-05	
9/30/2014	<0.0002	
3/30/2015	<0.0002	
10/13/2015	<0.0002	
3/23/2016	<0.0005	
5/20/2016	<0.0005	
7/29/2016	<0.0005	
9/23/2016	<0.0005	
11/9/2016	<0.0005	
1/31/2017	<0.0005 (*)	
3/30/2017	<0.0005 (*)	
6/12/2017	<0.0005 (*)	
10/2/2017	<0.0005	
3/19/2018	<0.0005	
9/14/2018	<0.0005	
3/20/2019		<0.0005

Within Limit

Prediction Limit  
Intrawell Non-parametric

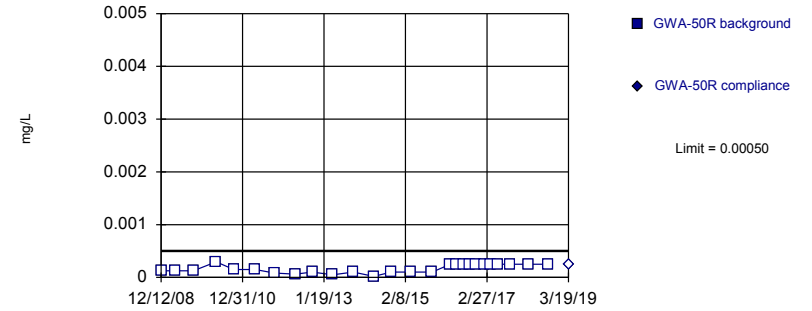


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Mercury Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

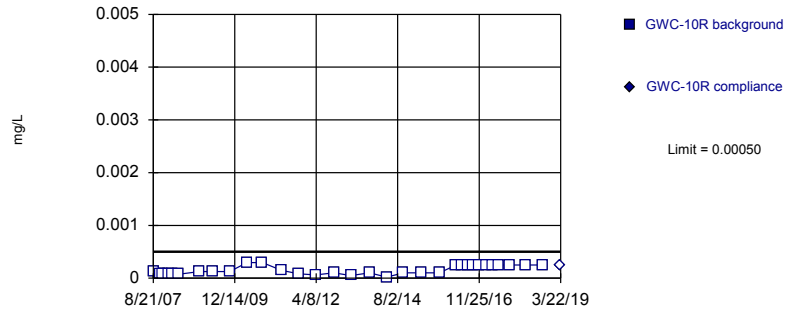


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 26) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

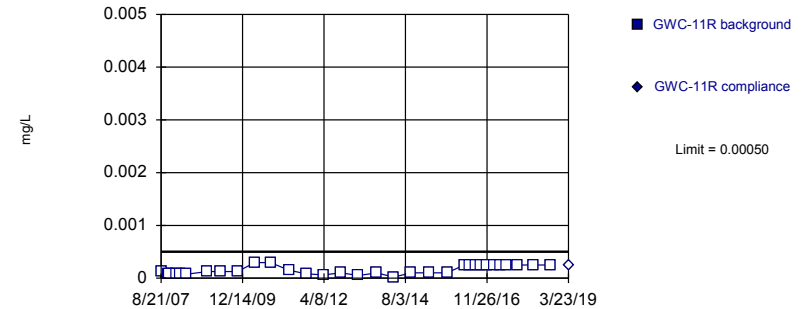


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Mercury Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Mercury Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.000254	
10/24/2007	<0.000145	
11/18/2007	<0.000145	
1/31/2008	<0.000145	
3/10/2008	<0.000145	
5/13/2008	<0.000145	
12/4/2008	<0.000145	
4/21/2009	<0.00025	
10/8/2009	<0.00025	
4/21/2010	<0.000591	
9/28/2010	<0.000591	
4/12/2011	<0.000299	
10/4/2011	<0.000168	
4/3/2012	<0.000123	
10/9/2012	<0.0002	
4/11/2013	<0.0001	
10/16/2013	<0.0002	
4/10/2014	<4.02E-05	
9/30/2014	<0.0002	
3/30/2015	<0.0002	
10/13/2015	<0.0002	
3/23/2016	<0.0005	
5/19/2016	<0.0005	
7/29/2016	<0.0005	
9/22/2016	<0.0005	
11/10/2016	<0.0005	
1/31/2017	<0.0005	
4/3/2017	<0.0005	
6/9/2017	<0.0005	
10/2/2017	<0.0005	
3/16/2018	<0.0005	
9/14/2018	<0.0005	
3/19/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.00025	
4/23/2009	<0.00025	
10/6/2009	<0.00025	
5/3/2010	<0.000591	
10/11/2010	<0.000299	
4/27/2011	<0.000299	
10/19/2011	<0.000168	
5/1/2012	<0.000123	
10/2/2012	<0.0002	
4/10/2013	<0.0001	
10/16/2013	<0.0002	
4/22/2014	<4.02E-05	
10/1/2014	<0.0002	
3/30/2015	<0.0002	
10/11/2015	<0.0002	
3/28/2016	<0.0005	
5/25/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	<0.0005	
11/11/2016	<0.0005	
1/30/2017	<0.0005	
4/3/2017	<0.0005	
6/12/2017	<0.0005 (*)	
10/2/2017	<0.0005	
3/16/2018	<0.0005	
9/18/2018	<0.0005	
3/19/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.000254	
11/1/2007	<0.000145	
11/20/2007	<0.000145	
1/30/2008	<0.000145	
3/6/2008	<0.000145	
5/8/2008	<0.000145	
12/14/2008	<0.00025	
4/29/2009	<0.00025	
10/21/2009	<0.00025	
4/21/2010	<0.000591	
9/28/2010	<0.000591	
4/12/2011	<0.000299	
10/4/2011	<0.000168	
4/3/2012	<0.000123	
10/8/2012	<0.0002	
4/3/2013	<0.0001	
10/15/2013	<0.0002	
4/9/2014	<4.02E-05	
10/2/2014	<0.0002	
4/2/2015	<0.0002	
10/12/2015	<0.0002	
3/31/2016	<0.0005	
5/26/2016	<0.0005	
8/3/2016	<0.0005	
9/28/2016	<0.0005	
11/22/2016	<0.0005	
2/7/2017	<0.0005	
4/10/2017	<0.0005	
6/14/2017	<0.0005 (*)	
10/4/2017	<0.0005	
3/21/2018	<0.0005	
9/18/2018	<0.0005	
3/22/2019		<0.0005

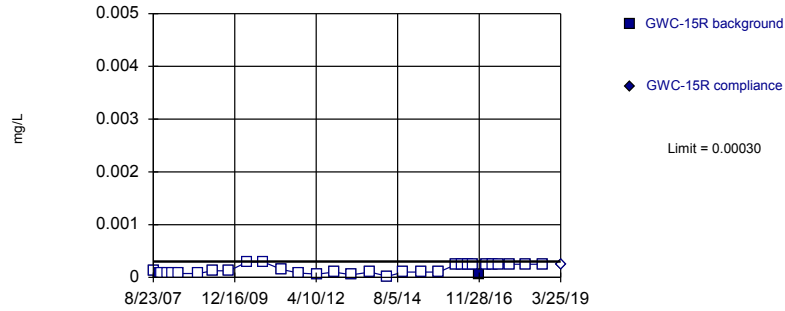
# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.000254	
11/1/2007	<0.000145	
11/18/2007	<0.000145	
1/30/2008	<0.000145	
3/6/2008	<0.000145	
5/7/2008	<0.000145	
12/14/2008	<0.00025	
4/29/2009	<0.00025	
10/22/2009	<0.00025	
4/21/2010	<0.000591	
9/29/2010	<0.000591	
4/13/2011	<0.000299	
10/4/2011	<0.000168	
4/4/2012	<0.000123	
10/3/2012	<0.0002	
4/3/2013	<0.0001	
10/9/2013	<0.0002	
4/2/2014	<4.02E-05	
10/2/2014	<0.0002	
4/1/2015	<0.0002	
10/11/2015	<0.0002	
4/4/2016	<0.0005	
5/26/2016	<0.0005	
8/4/2016	<0.0005	
9/28/2016	<0.0005	
11/22/2016	<0.0005	
2/8/2017	<0.0005	
4/10/2017	<0.0005	
6/15/2017	<0.0005 (*)	
10/4/2017	<0.0005	
3/22/2018	<0.0005	
9/18/2018	<0.0005	
3/23/2019		<0.0005

Within Limit

Prediction Limit  
Intrawell Non-parametric

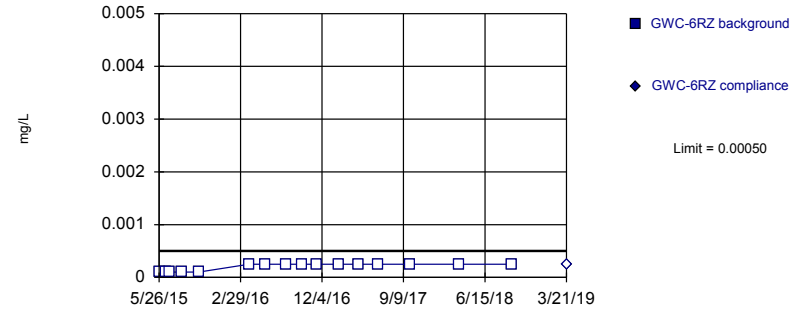


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Mercury Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

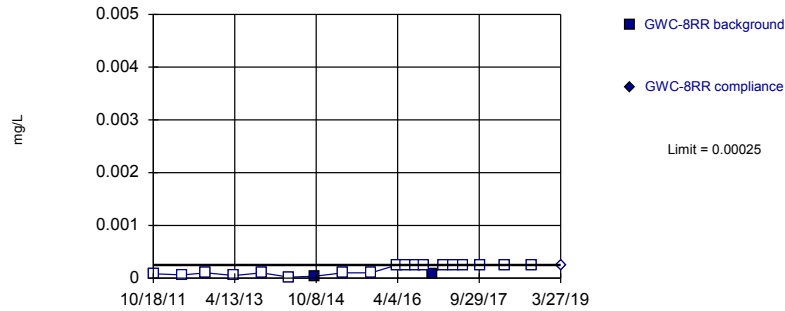


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Mercury Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

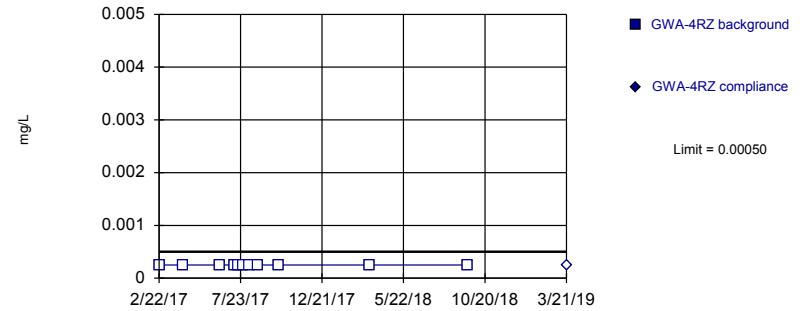


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Mercury Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.000254	
11/2/2007	<0.000145	
11/17/2007	<0.000145	
1/15/2008	<0.000145	
3/6/2008	<0.000145	
5/7/2008	<0.000145	
12/2/2008	<0.000145	
4/28/2009	<0.00025	
10/19/2009	<0.00025	
4/27/2010	<0.000591	
10/4/2010	<0.000591	
4/18/2011	<0.000299	
10/12/2011	<0.000168	
4/23/2012	<0.000123	
10/10/2012	<0.0002	
4/15/2013	<0.0001	
10/22/2013	<0.0002	
4/21/2014	<4.02E-05	
9/30/2014	<0.0002	
4/3/2015	<0.0002	
10/7/2015	<0.0002	
4/5/2016	<0.0005	
5/31/2016	<0.0005	
8/4/2016	<0.0005	
9/29/2016	<0.0005	
11/23/2016	5E-05 (J)	
2/10/2017	<0.0005	
4/12/2017	<0.0005	
6/15/2017	<0.0005 (*)	
10/6/2017	<0.0005	
3/23/2018	<0.0005	
9/19/2018	<0.0005	
3/25/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.0002	
6/18/2015	<0.0002 (D)	
7/2/2015	<0.0002	
8/13/2015	<0.0002 (D)	
10/9/2015	<0.0002	
3/29/2016	<0.0005	
5/24/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	<0.0005	
11/14/2016	<0.0005	
2/1/2017	<0.0005 (*)	
4/6/2017	<0.0005	
6/13/2017	<0.0005 (*)	
10/3/2017	<0.0005	
3/20/2018	<0.0005	
9/17/2018	<0.0005	
3/21/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.000168	
4/30/2012	<0.000123	
10/3/2012	<0.0002	
4/8/2013	<0.0001	
10/9/2013	<0.0002	
4/10/2014	<4.02E-05	
10/2/2014	3.83E-05 (J)	
4/3/2015	<0.0002	
10/8/2015	<0.0002	
3/30/2016	<0.0005	
5/24/2016	<0.0005	
8/2/2016	<0.0005	
9/27/2016	<0.0005	
11/22/2016	8E-05 (J)	
2/6/2017	<0.0005	
4/6/2017	<0.0005	
6/14/2017	<0.0005 (*)	
10/4/2017	<0.0005	
3/21/2018	<0.0005	
9/18/2018	<0.0005	
3/27/2019		<0.0005



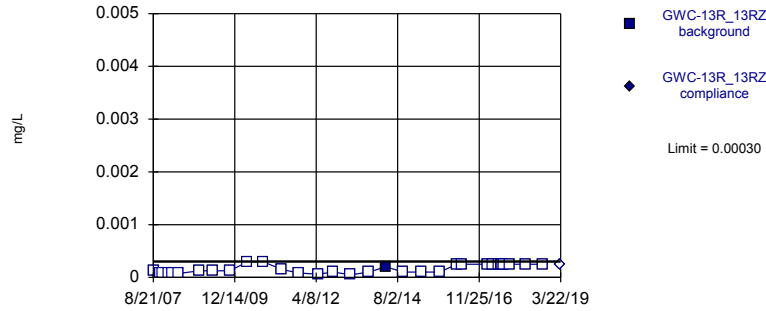
# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	<0.0005	
4/7/2017	<0.0005 (*)	
6/14/2017	<0.0005 (*)	
7/12/2017	<0.0005	
7/20/2017	<0.0005	
7/28/2017	<0.0005	
8/9/2017	<0.0005	
8/24/2017	<0.0005	
10/3/2017	<0.0005	
3/21/2018	<0.0005	
9/18/2018	<0.0005	
3/21/2019		<0.0005

Within Limit

Prediction Limit  
Intrawell Non-parametric

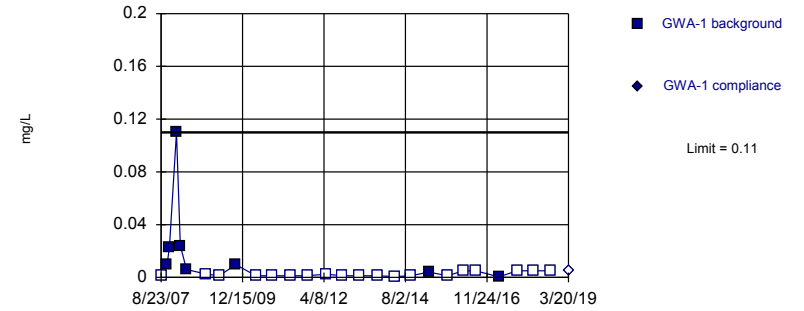


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Mercury Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

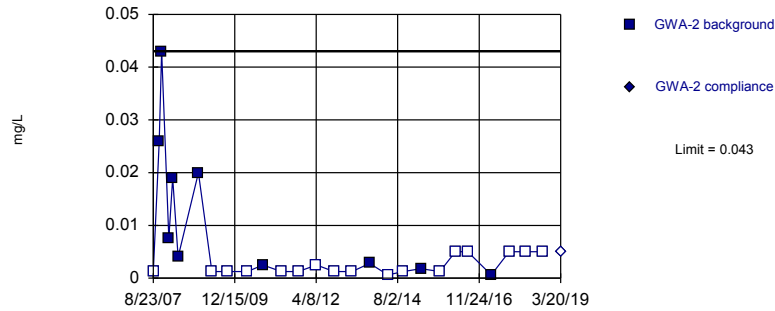


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

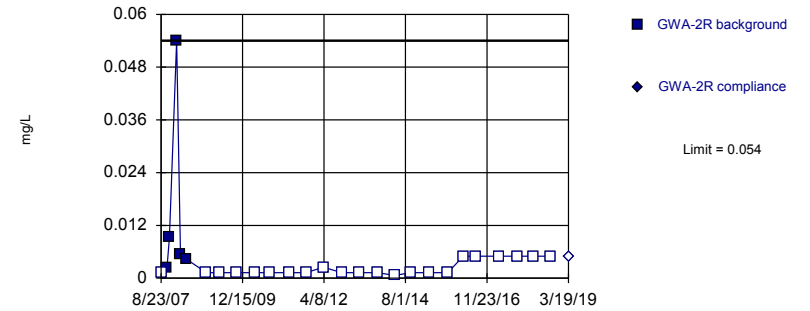


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 62.96% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.000254	
11/1/2007	<0.000145	
11/19/2007	<0.000145	
1/31/2008	<0.000145	
3/5/2008	<0.000145	
5/7/2008	<0.000145	
12/12/2008	<0.00025	
4/29/2009	<0.00025	
10/21/2009	<0.00025	
4/28/2010	<0.000591	
10/6/2010	<0.000591	
4/20/2011	<0.000299	
10/12/2011	<0.000168	
4/25/2012	<0.000123	
10/2/2012	<0.0002	
4/2/2013	<0.0001	
10/8/2013	<0.0002	
4/1/2014	0.0002 (J)	
10/1/2014	<0.0002	
3/31/2015	<0.0002	
10/14/2015	<0.0002	
4/4/2016	<0.0005	
6/1/2016	<0.0005	
2/22/2017	<0.0005	
4/11/2017	<0.0005	
6/16/2017	<0.0005 (*)	
7/12/2017	<0.0005	
7/28/2017	<0.0005	
8/10/2017	<0.0005	
10/6/2017	<0.0005	
3/23/2018	<0.0005	
9/20/2018	<0.0005	
3/22/2019		<0.0005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.0025	
10/23/2007	0.0096	
11/18/2007	0.023	
1/30/2008	0.11	
3/10/2008	0.024	
5/13/2008	0.006	
12/5/2008	<0.005	
4/15/2009	<0.0025	
10/7/2009	0.0096	
5/3/2010	<0.0025	
10/12/2010	<0.0025	
4/27/2011	<0.0025	
10/17/2011	<0.0025	
5/2/2012	<0.005	
10/8/2012	<0.0025	
4/12/2013	<0.0025	
10/16/2013	<0.0025	
4/11/2014	<0.00125	
9/30/2014	<0.0025	
3/30/2015	0.004	
10/13/2015	<0.0025	
3/22/2016	<0.01	
7/29/2016	<0.01 (*)	
3/30/2017	0.0004 (J)	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

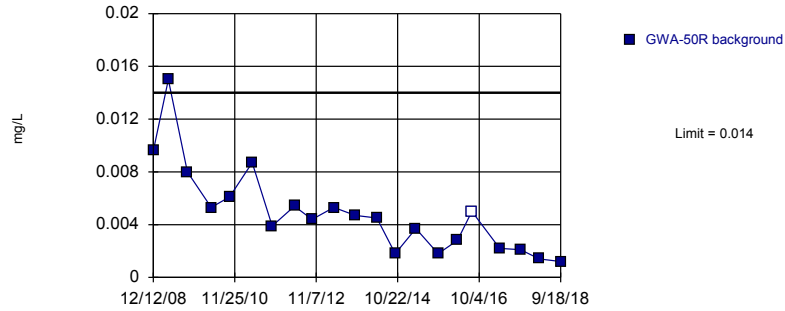
	GWA-2	GWA-2
8/23/2007	<0.0025	
10/24/2007	0.026	
11/18/2007	0.043	
1/31/2008	0.0075	
3/11/2008	0.019	
5/6/2008	0.004	
12/4/2008	0.02	
4/21/2009	<0.0025	
10/7/2009	<0.0025	
4/26/2010	<0.0025	
10/4/2010	0.0025	
4/13/2011	<0.0025	
10/5/2011	<0.0025	
4/11/2012	<0.005	
10/9/2012	<0.0025	
4/15/2013	<0.0025	
10/15/2013	0.0028	
4/22/2014	<0.00125	
9/30/2014	<0.0025	
3/30/2015	0.0018 (J)	
10/13/2015	<0.0025	
3/23/2016	<0.01	
7/29/2016	<0.01 (*)	
3/30/2017	0.0006 (J)	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.0025	
10/24/2007	0.0025	
11/18/2007	0.0093	
1/31/2008	0.054	
3/10/2008	0.0054	
5/13/2008	0.0043	
12/4/2008	<0.0025	
4/21/2009	<0.0025	
10/8/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.005	
10/9/2012	<0.0025	
4/11/2013	<0.0025	
10/16/2013	<0.0025	
4/10/2014	<0.00125	
9/30/2014	<0.0025	
3/30/2015	<0.0025	
10/13/2015	<0.0025	
3/23/2016	<0.01	
7/29/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01

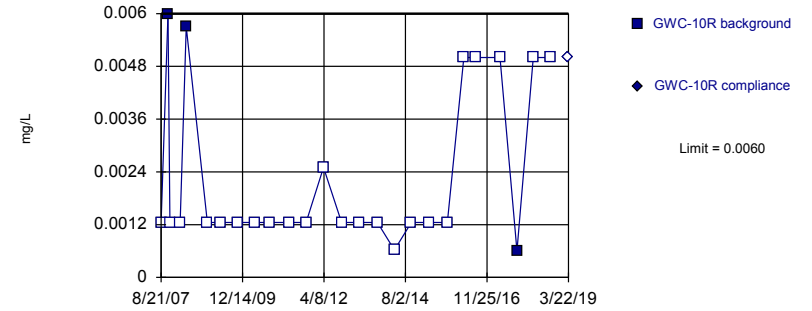
Prediction Limit  
Intrawell Parametric, GWA-50R (bg)



Background Data Summary (based on square root transformation): Mean=0.06661, Std. Dev.=0.02204, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9503, critical = 0.873. Kappa = 2.354 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486. Assumes 1 future value.

Constituent: Nickel Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

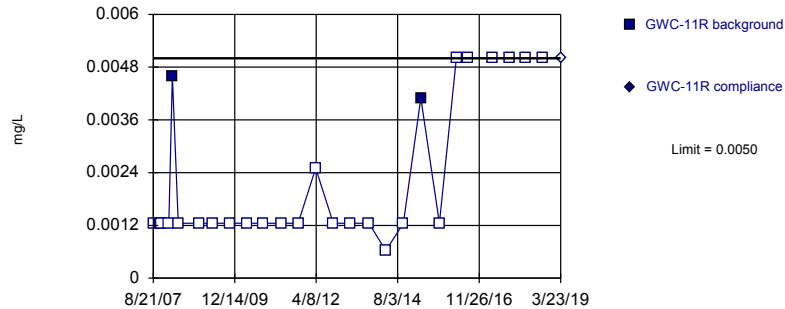
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

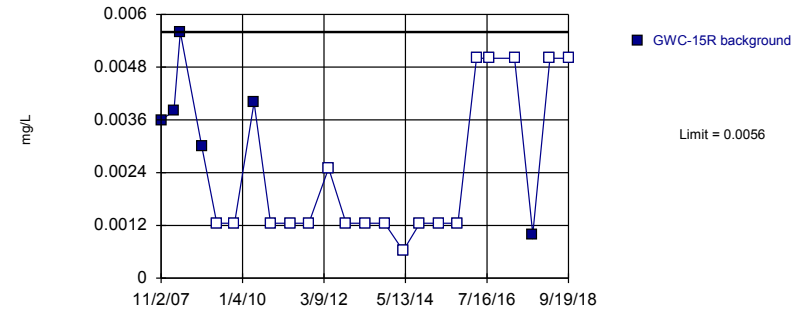
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-15R



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 75% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Assumes 1 future value.

Constituent: Nickel Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R
12/12/2008	0.0096
4/23/2009	0.015
10/6/2009	0.008
5/3/2010	0.0053
10/11/2010	0.0061
4/27/2011	0.0087
10/19/2011	0.0039
5/1/2012	0.0054
10/2/2012	0.0044
4/10/2013	0.0053
10/16/2013	0.0047
4/22/2014	0.0045
10/1/2014	0.0018 (J)
3/30/2015	0.0037
10/11/2015	0.0018 (J)
3/28/2016	0.0028 (J)
8/1/2016	<0.01 (*)
4/3/2017	0.0022 (J)
10/2/2017	0.0021 (J)
3/16/2018	0.0014 (J)
9/18/2018	0.0012 (J)
3/19/2019	0.0016 (X)



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.0025	
11/1/2007	0.006	
11/20/2007	<0.0025	
1/30/2008	0.029 (O)	
3/6/2008	<0.0025	
5/8/2008	0.0057	
12/14/2008	<0.0025	
4/29/2009	<0.0025	
10/21/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.005	
10/8/2012	<0.0025	
4/3/2013	<0.0025	
10/15/2013	<0.0025	
4/9/2014	<0.00125	
10/2/2014	<0.0025	
4/2/2015	<0.0025	
10/12/2015	<0.0025	
3/31/2016	<0.01	
8/3/2016	<0.01 (*)	
4/10/2017	<0.01 (*)	
10/4/2017	0.0006 (J)	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/18/2007	<0.0025	
1/30/2008	<0.0025	
3/6/2008	0.0046	
5/7/2008	<0.0025	
12/14/2008	<0.0025	
4/29/2009	<0.0025	
10/22/2009	<0.0025	
4/21/2010	<0.0025	
9/29/2010	<0.0025	
4/13/2011	<0.0025	
10/4/2011	<0.0025	
4/4/2012	<0.005	
10/3/2012	<0.0025	
4/3/2013	<0.0025	
10/9/2013	<0.0025	
4/2/2014	<0.00125	
10/2/2014	<0.0025	
4/1/2015	0.0041	
10/11/2015	<0.0025	
4/4/2016	<0.01	
8/4/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01

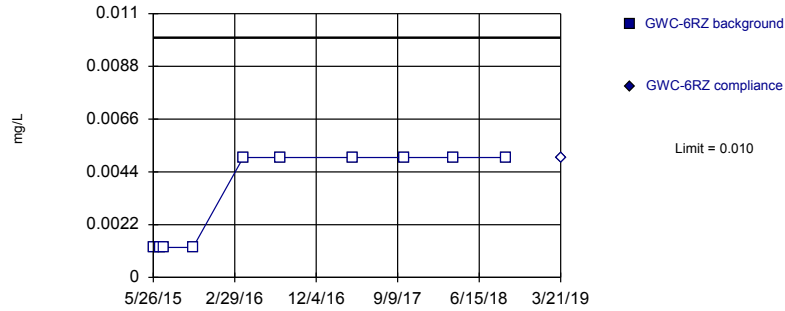
# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R
8/23/2007	0.0089 (O)
11/2/2007	0.0036
11/17/2007	0.014 (O)
1/15/2008	0.0096 (O)
3/6/2008	0.0038
5/7/2008	0.0056
12/2/2008	0.003
4/28/2009	<0.0025
10/19/2009	<0.0025
4/27/2010	0.004
10/4/2010	<0.0025
4/18/2011	<0.0025
10/12/2011	<0.0025
4/23/2012	<0.005
10/10/2012	<0.0025
4/15/2013	<0.0025
10/22/2013	<0.0025
4/21/2014	<0.00125
9/30/2014	<0.0025
4/3/2015	<0.0025
10/7/2015	<0.0025
4/5/2016	<0.01
8/4/2016	<0.01 (*)
4/12/2017	<0.01 (*)
10/6/2017	0.001 (J)
3/23/2018	<0.01
9/19/2018	<0.01
3/25/2019	0.0011 (X)

Within Limit

Prediction Limit  
Intrawell Non-parametric

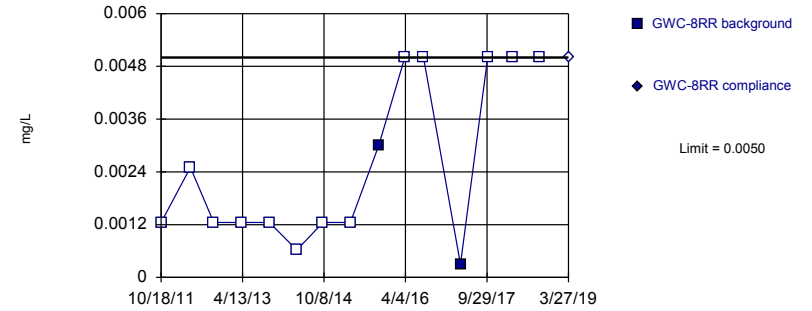


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Nickel Analysis Run 8/23/2019 1:37 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

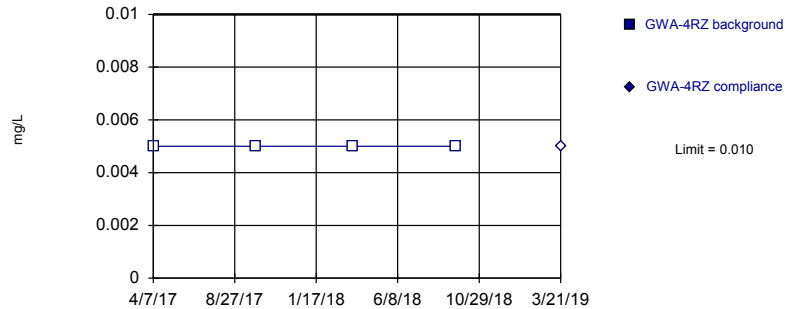


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

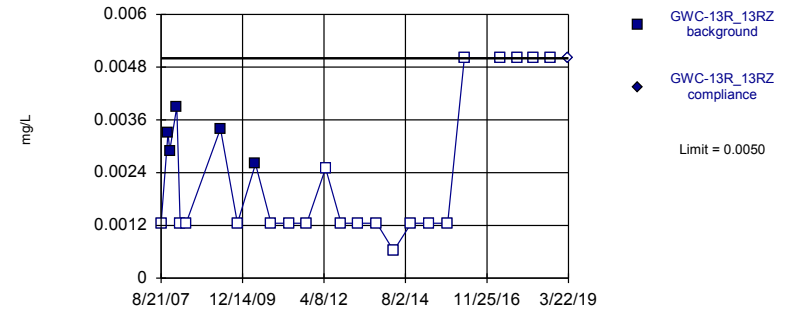


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 4) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Nickel Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Nickel Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.0025	
6/18/2015	<0.0025 (D)	
7/2/2015	<0.0025	
10/9/2015	<0.0025	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.0025	
4/30/2012	<0.005	
10/3/2012	<0.0025	
4/8/2013	<0.0025	
10/9/2013	<0.0025	
4/10/2014	<0.00125	
10/2/2014	<0.0025	
4/3/2015	<0.0025	
10/8/2015	0.003	
3/30/2016	<0.01	
8/2/2016	<0.01	
4/6/2017	0.0003 (J)	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.01	
10/3/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		<0.01

# Prediction Limit

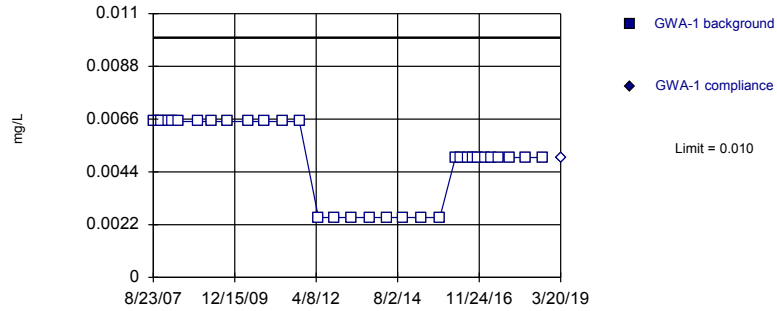
Constituent: Nickel (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.0025	
11/1/2007	0.0033	
11/19/2007	0.0029	
1/31/2008	0.0039	
3/5/2008	<0.0025	
5/7/2008	<0.0025	
12/12/2008	0.022 (O)	
4/29/2009	0.0034	
10/21/2009	<0.0025	
4/28/2010	0.0026	
10/6/2010	<0.0025	
4/20/2011	<0.0025	
10/12/2011	<0.0025	
4/25/2012	<0.005	
10/2/2012	<0.0025	
4/2/2013	<0.0025	
10/8/2013	<0.0025	
4/1/2014	<0.00125	
10/1/2014	<0.0025	
3/31/2015	<0.0025	
10/14/2015	<0.0025	
4/4/2016	<0.01	
4/11/2017	<0.01 (*)	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01



Within Limit

Prediction Limit  
Intrawell Non-parametric

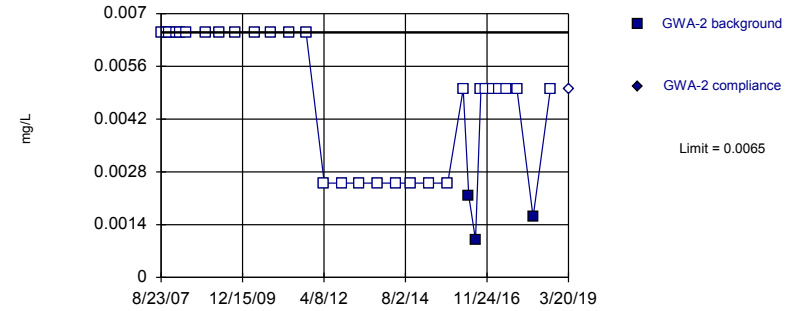


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

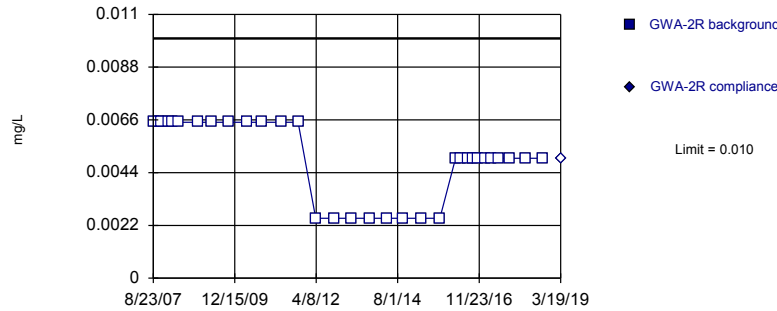


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

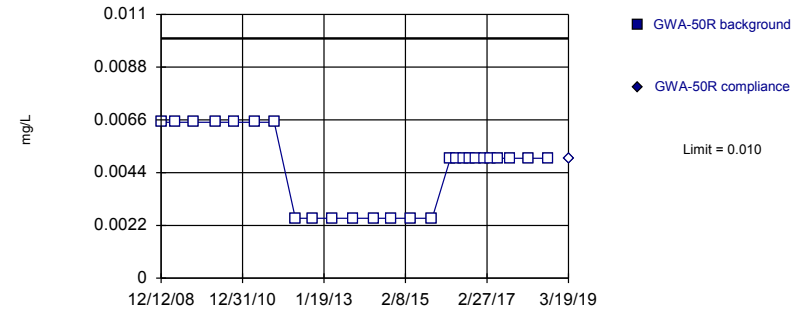


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 26) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Selenium Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.013	
10/23/2007	<0.013	
11/18/2007	<0.013	
1/30/2008	<0.013	
3/10/2008	<0.013	
5/13/2008	<0.013	
12/5/2008	<0.013	
4/15/2009	<0.013	
10/7/2009	<0.013	
5/3/2010	<0.013	
10/12/2010	<0.013	
4/27/2011	<0.013	
10/17/2011	<0.013	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/22/2016	<0.01	
5/19/2016	<0.01	
7/29/2016	<0.01	
9/23/2016	<0.01	
11/9/2016	<0.01	
1/30/2017	<0.01	
3/30/2017	<0.01	
6/9/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.013	
10/24/2007	<0.013	
11/18/2007	<0.013	
1/31/2008	<0.013	
3/11/2008	<0.013	
5/6/2008	<0.013	
12/4/2008	<0.013	
4/21/2009	<0.013	
10/7/2009	<0.013	
4/26/2010	<0.013	
10/4/2010	<0.013	
4/13/2011	<0.013	
10/5/2011	<0.013	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.01	
5/20/2016	0.00216 (J)	
7/29/2016	0.001 (J)	
9/23/2016	<0.01	
11/9/2016	<0.01	
1/31/2017	<0.01	
3/30/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	0.0016 (J)	
9/14/2018	<0.01	
3/20/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.013	
10/24/2007	<0.013	
11/18/2007	<0.013	
1/31/2008	<0.013	
3/10/2008	<0.013	
5/13/2008	<0.013	
12/4/2008	<0.013	
4/21/2009	<0.013	
10/8/2009	<0.013	
4/21/2010	<0.013	
9/28/2010	<0.013	
4/12/2011	<0.013	
10/4/2011	<0.013	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.01	
5/19/2016	<0.01	
7/29/2016	<0.01	
9/22/2016	<0.01	
11/10/2016	<0.01	
1/31/2017	<0.01	
4/3/2017	<0.01	
6/9/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01

# Prediction Limit

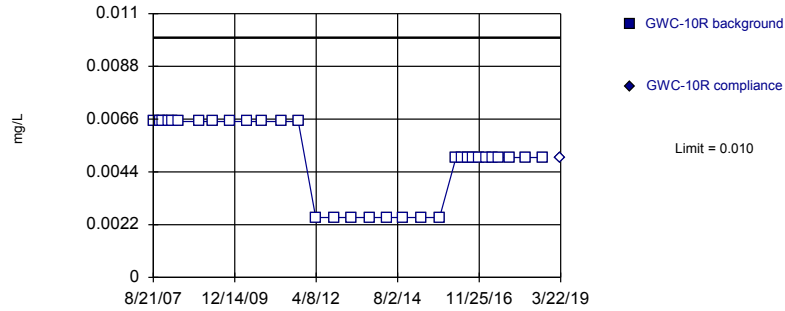
Constituent: Selenium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.013	
4/23/2009	<0.013	
10/6/2009	<0.013	
5/3/2010	<0.013	
10/11/2010	<0.013	
4/27/2011	<0.013	
10/19/2011	<0.013	
5/1/2012	<0.005	
10/2/2012	<0.005	
4/10/2013	<0.005	
10/16/2013	<0.005	
4/22/2014	<0.005	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/11/2016	<0.01	
1/30/2017	<0.01	
4/3/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

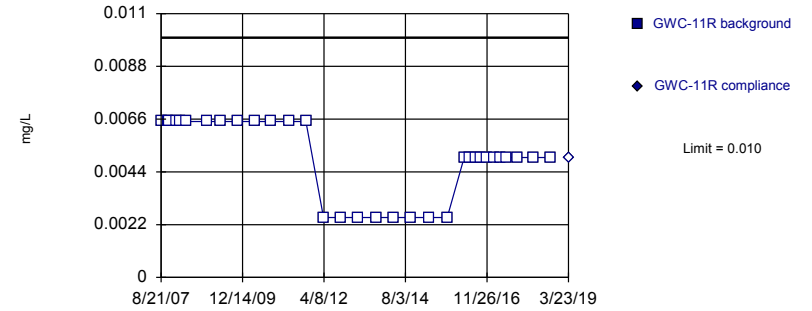


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

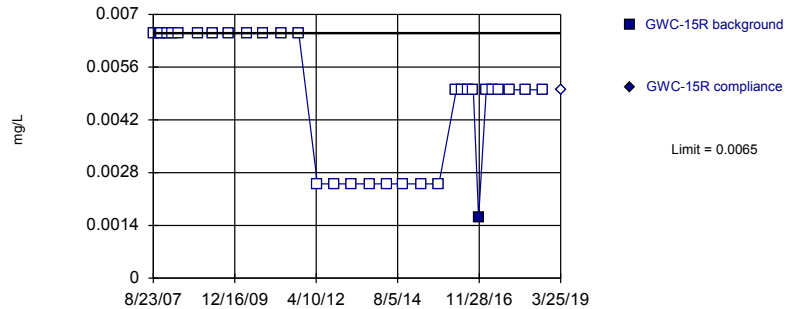


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

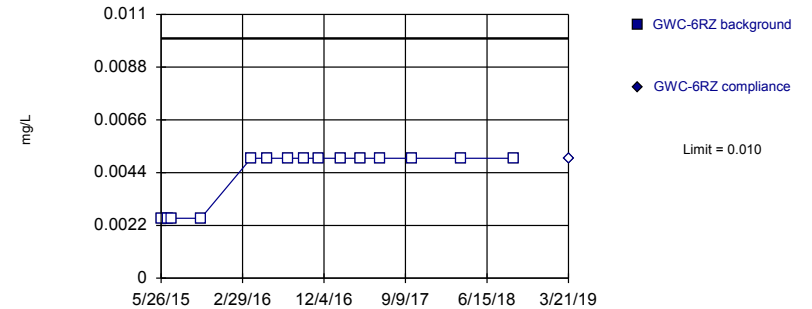


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Selenium Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.013	
11/1/2007	<0.013	
11/20/2007	<0.013	
1/30/2008	<0.013	
3/6/2008	<0.013	
5/8/2008	<0.013	
12/14/2008	<0.013	
4/29/2009	<0.013	
10/21/2009	<0.013	
4/21/2010	<0.013	
9/28/2010	<0.013	
4/12/2011	<0.013	
10/4/2011	<0.013	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.01	
5/26/2016	<0.01	
8/3/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/7/2017	<0.01	
4/10/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.013	
11/1/2007	<0.013	
11/18/2007	<0.013	
1/30/2008	<0.013	
3/6/2008	<0.013	
5/7/2008	<0.013	
12/14/2008	<0.013	
4/29/2009	<0.013	
10/22/2009	<0.013	
4/21/2010	<0.013	
9/29/2010	<0.013	
4/13/2011	<0.013	
10/4/2011	<0.013	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.01	
5/26/2016	<0.01	
8/4/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/8/2017	<0.01	
4/10/2017	<0.01	
6/15/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01



# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.013	
11/2/2007	<0.013	
11/17/2007	<0.013	
1/15/2008	<0.013	
3/6/2008	<0.013	
5/7/2008	<0.013	
12/2/2008	<0.013	
4/28/2009	<0.013	
10/19/2009	<0.013	
4/27/2010	<0.013	
10/4/2010	<0.013	
4/18/2011	<0.013	
10/12/2011	<0.013	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.01	
5/31/2016	<0.01	
8/4/2016	<0.01	
9/29/2016	<0.01	
11/23/2016	0.0016 (J)	
2/10/2017	<0.01	
4/12/2017	<0.01	
6/15/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		<0.01

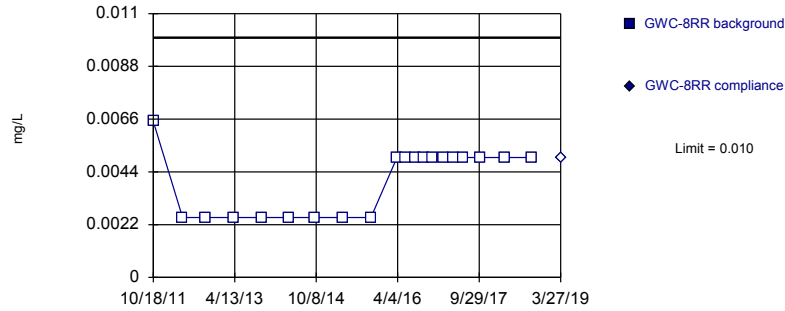
# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.01	
5/24/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/14/2016	<0.01	
2/1/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

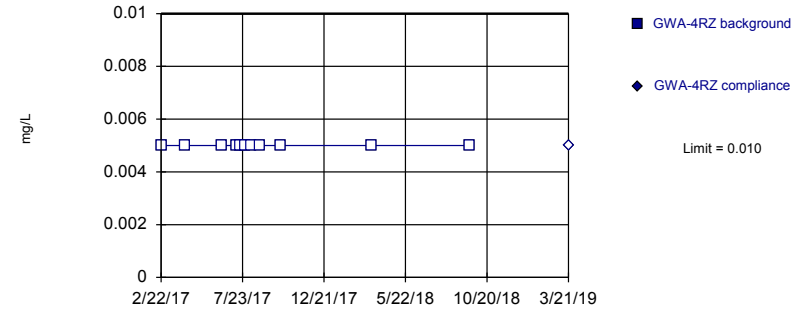


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

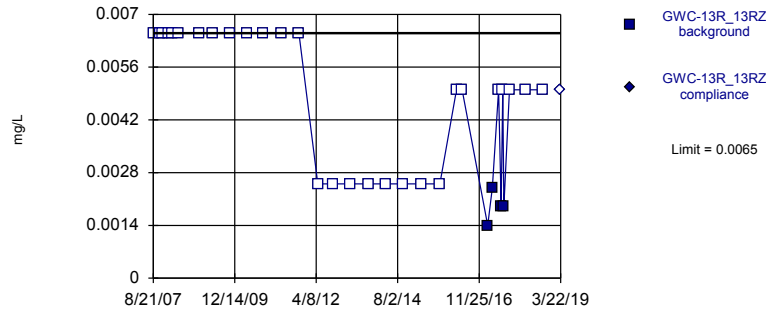


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Selenium Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

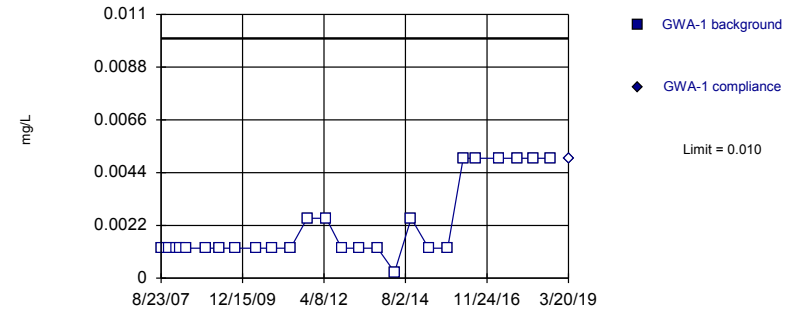


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Silver Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.013	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	<0.005	
3/30/2016	<0.01	
5/24/2016	<0.01	
8/2/2016	<0.01	
9/27/2016	<0.01	
11/22/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	<0.01	
4/7/2017	<0.01	
6/14/2017	<0.01	
7/12/2017	<0.01	
7/20/2017	<0.01	
7/28/2017	<0.01	
8/9/2017	<0.01	
8/24/2017	<0.01	
10/3/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.013	
11/1/2007	<0.013	
11/19/2007	<0.013	
1/31/2008	<0.013	
3/5/2008	<0.013	
5/7/2008	<0.013	
12/12/2008	<0.013	
4/29/2009	<0.013	
10/21/2009	<0.013	
4/28/2010	<0.013	
10/6/2010	<0.013	
4/20/2011	<0.013	
10/12/2011	<0.013	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.01	
6/1/2016	<0.01	
2/22/2017	0.0014 (J)	
4/11/2017	0.0024 (J)	
6/16/2017	<0.01	
7/12/2017	0.0019 (J)	
7/28/2017	<0.01	
8/10/2017	0.0019 (J)	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01

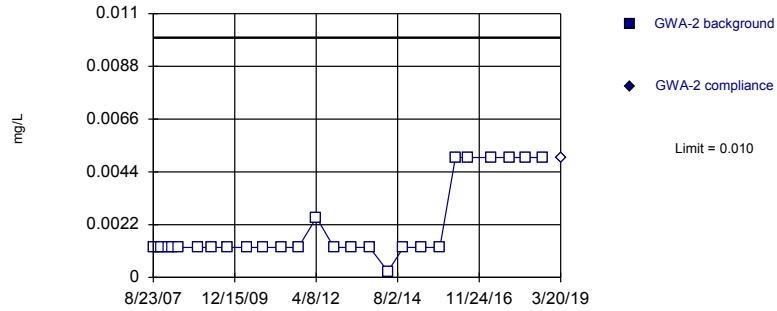
# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.0025	
10/23/2007	<0.0025	
11/18/2007	<0.0025	
1/30/2008	<0.0025	
3/10/2008	<0.0025	
5/13/2008	<0.0025	
12/5/2008	<0.0025	
4/15/2009	<0.0025	
10/7/2009	<0.0025	
5/3/2010	<0.0025	
10/12/2010	<0.0025	
4/27/2011	<0.0025	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.0025	
4/12/2013	<0.0025	
10/16/2013	<0.0025	
4/11/2014	<0.0005	
9/30/2014	<0.005	
3/30/2015	<0.0025	
10/13/2015	<0.0025	
3/22/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

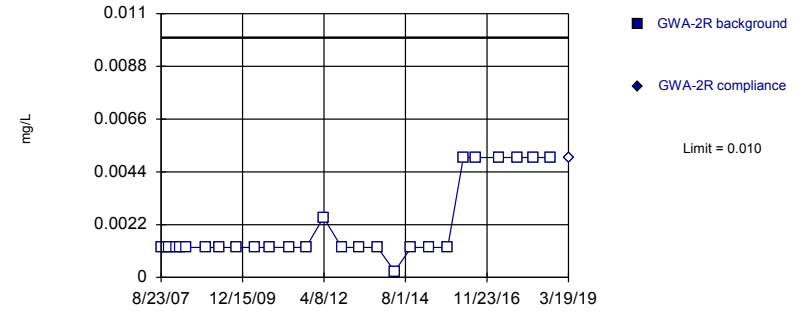


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Silver Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

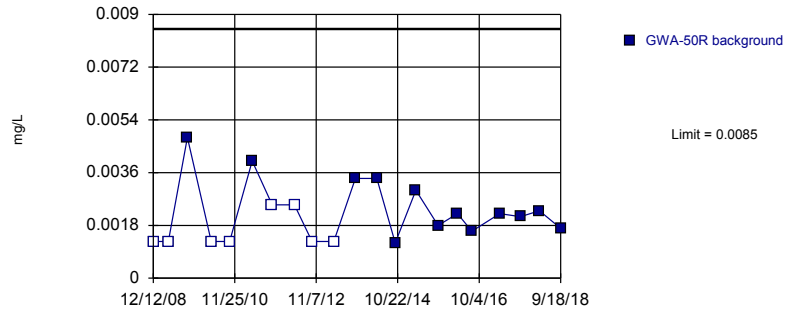
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Silver Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Parametric, GWA-50R (bg)

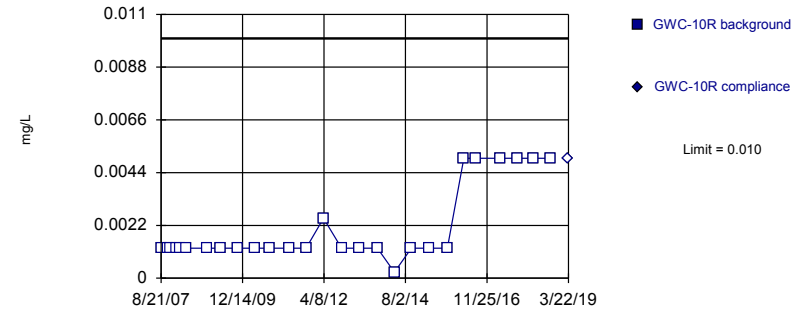


Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=0.03094, Std. Dev.=0.02607, n=21, 38.1% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.899, critical = 0.873. Kappa = 2.354 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486. Assumes 1 future value.

Constituent: Silver Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Silver Analysis Run 8/23/2019 1:38 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.0025	
10/24/2007	<0.0025	
11/18/2007	<0.0025	
1/31/2008	<0.0025	
3/11/2008	<0.0025	
5/6/2008	<0.0025	
12/4/2008	<0.0025	
4/21/2009	<0.0025	
10/7/2009	<0.0025	
4/26/2010	<0.0025	
10/4/2010	<0.0025	
4/13/2011	<0.0025	
10/5/2011	<0.0025	
4/11/2012	<0.005	
10/9/2012	<0.0025	
4/15/2013	<0.0025	
10/15/2013	<0.0025	
4/22/2014	<0.0005	
9/30/2014	<0.0025	
3/30/2015	<0.0025	
10/13/2015	<0.0025	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.0025	
10/24/2007	<0.0025	
11/18/2007	<0.0025	
1/31/2008	<0.0025	
3/10/2008	<0.0025	
5/13/2008	<0.0025	
12/4/2008	<0.0025	
4/21/2009	<0.0025	
10/8/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.005	
10/9/2012	<0.0025	
4/11/2013	<0.0025	
10/16/2013	<0.0025	
4/10/2014	<0.0005	
9/30/2014	<0.0025	
3/30/2015	<0.0025	
10/13/2015	<0.0025	
3/23/2016	<0.01	
7/29/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R
12/12/2008	<0.0025
4/23/2009	<0.0025
10/6/2009	0.0048
5/3/2010	<0.0025
10/11/2010	<0.0025
4/27/2011	0.004
10/19/2011	<0.005
5/1/2012	<0.005
10/2/2012	<0.0025
4/10/2013	<0.0025
10/16/2013	0.0034
4/22/2014	0.0034
10/1/2014	0.0012 (J)
3/30/2015	0.003
10/11/2015	0.0018 (J)
3/28/2016	0.0022 (J)
8/1/2016	0.0016 (J)
4/3/2017	0.0022 (J)
10/2/2017	0.0021 (J)
3/16/2018	0.0023 (J)
9/18/2018	0.0017 (J)
3/19/2019	0.0017 (X)

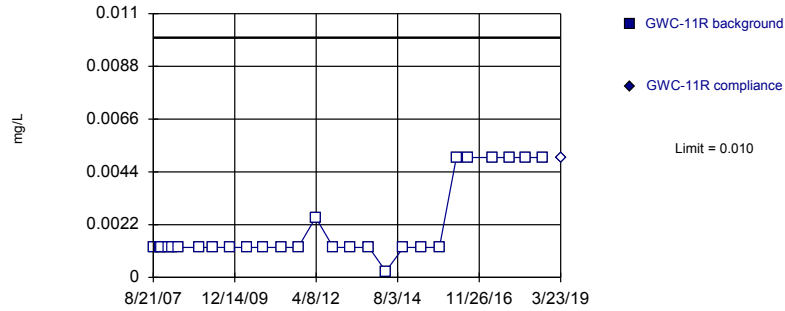
# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/20/2007	<0.0025	
1/30/2008	<0.0025	
3/6/2008	<0.0025	
5/8/2008	<0.0025	
12/14/2008	<0.0025	
4/29/2009	<0.0025	
10/21/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.005	
10/8/2012	<0.0025	
4/3/2013	<0.0025	
10/15/2013	<0.0025	
4/9/2014	<0.0005	
10/2/2014	<0.0025	
4/2/2015	<0.0025	
10/12/2015	<0.0025	
3/31/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

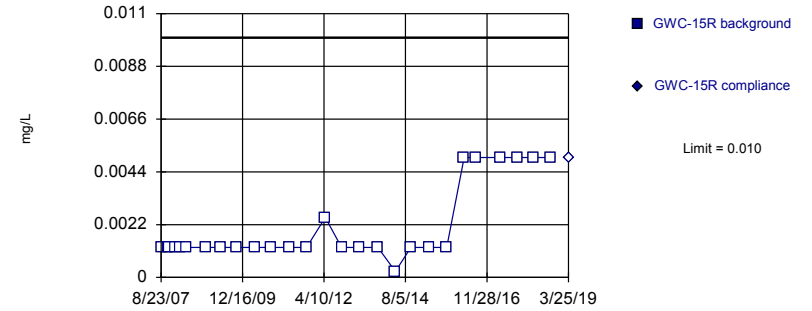


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Silver Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

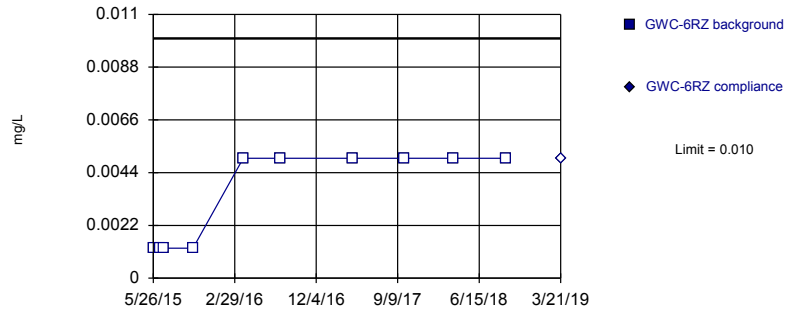


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Silver Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

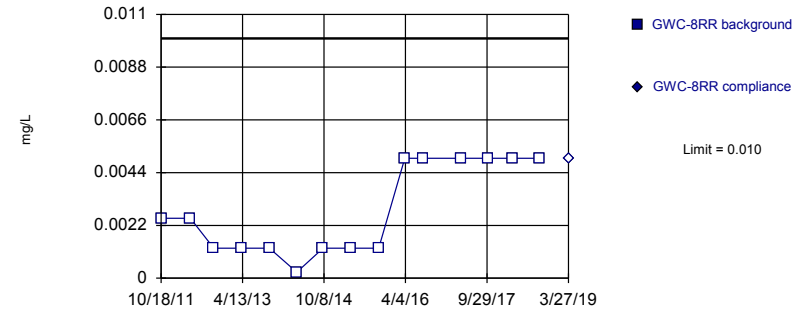


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Silver Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/18/2007	<0.0025	
1/30/2008	<0.0025	
3/6/2008	<0.0025	
5/7/2008	<0.0025	
12/14/2008	<0.0025	
4/29/2009	<0.0025	
10/22/2009	<0.0025	
4/21/2010	<0.0025	
9/29/2010	<0.0025	
4/13/2011	<0.0025	
10/4/2011	<0.0025	
4/4/2012	<0.005	
10/3/2012	<0.0025	
4/3/2013	<0.0025	
10/9/2013	<0.0025	
4/2/2014	<0.0005	
10/2/2014	<0.0025	
4/1/2015	<0.0025	
10/11/2015	<0.0025	
4/4/2016	<0.01	
8/4/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.0025	
11/2/2007	<0.0025	
11/17/2007	<0.0025	
1/15/2008	<0.0025	
3/6/2008	<0.0025	
5/7/2008	<0.0025	
12/2/2008	<0.0025	
4/28/2009	<0.0025	
10/19/2009	<0.0025	
4/27/2010	<0.0025	
10/4/2010	<0.0025	
4/18/2011	<0.0025	
10/12/2011	<0.0025	
4/23/2012	<0.005	
10/10/2012	<0.0025	
4/15/2013	<0.0025	
10/22/2013	<0.0025	
4/21/2014	<0.0005	
9/30/2014	<0.0025	
4/3/2015	<0.0025	
10/7/2015	<0.0025	
4/5/2016	<0.01	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.0025	
6/18/2015	<0.0025 (D)	
7/2/2015	<0.0025	
10/9/2015	<0.0025	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01



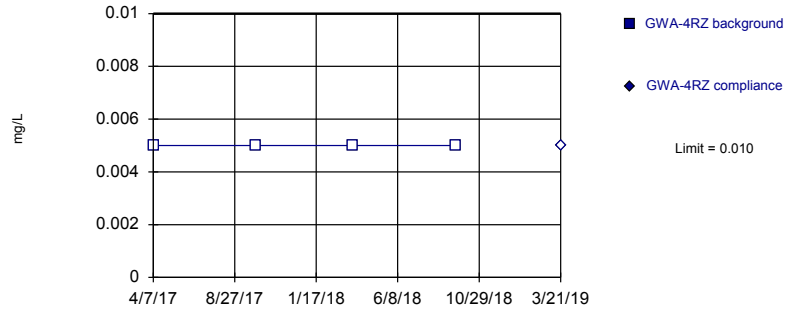
# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.0025	
4/8/2013	<0.0025	
10/9/2013	<0.0025	
4/10/2014	<0.0005	
10/2/2014	<0.0025	
4/3/2015	<0.0025	
10/8/2015	<0.0025	
3/30/2016	<0.01	
8/2/2016	<0.01	
4/6/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

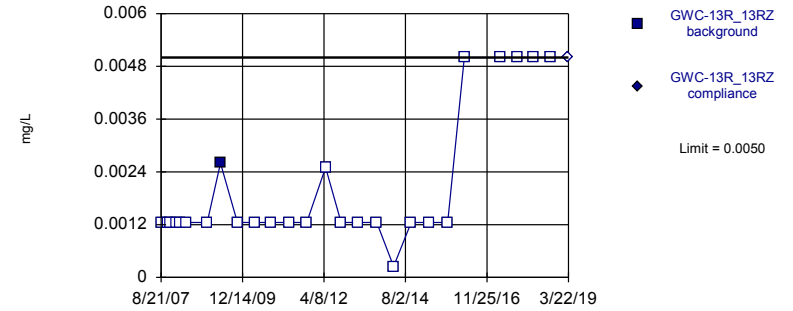


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 4) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Silver Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

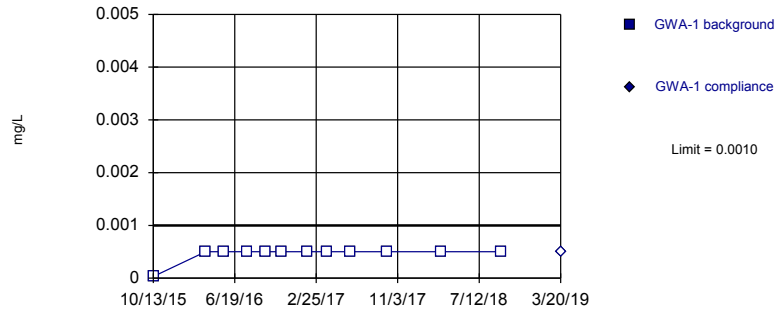


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Silver Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

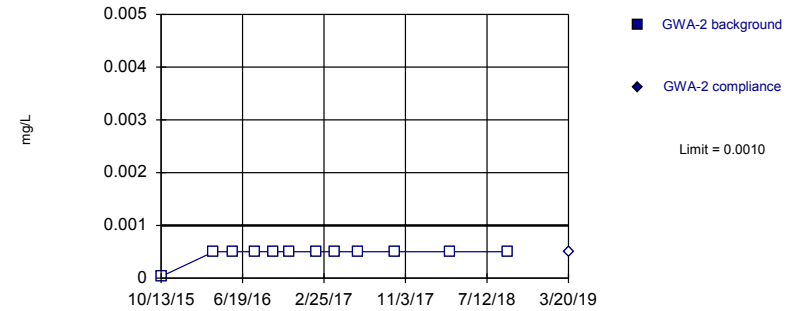


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.01	
10/3/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/19/2007	<0.0025	
1/31/2008	<0.0025	
3/5/2008	<0.0025	
5/7/2008	<0.0025	
12/12/2008	<0.0025	
4/29/2009	0.0026	
10/21/2009	<0.0025	
4/28/2010	<0.0025	
10/6/2010	<0.0025	
4/20/2011	<0.0025	
10/12/2011	<0.0025	
4/25/2012	<0.005	
10/2/2012	<0.0025	
4/2/2013	<0.0025	
10/8/2013	<0.0025	
4/1/2014	<0.0005	
10/1/2014	<0.0025	
3/31/2015	<0.0025	
10/14/2015	<0.0025	
4/4/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
10/13/2015	<6E-05	
3/22/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	<0.001	
9/23/2016	<0.001	
11/9/2016	<0.001	
1/30/2017	<0.001	
3/30/2017	<0.001	
6/9/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/17/2018	<0.001 (D)	
3/20/2019		<0.001

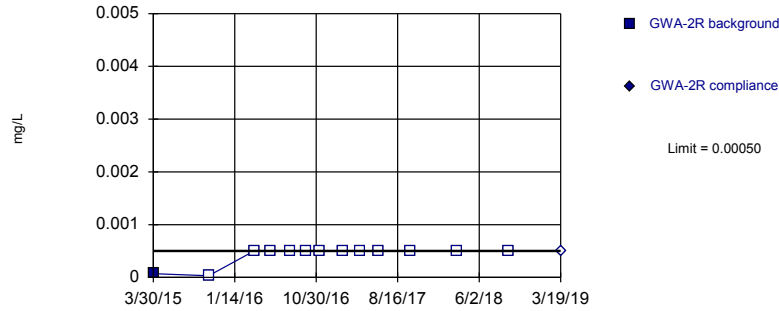
# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
10/13/2015	<6E-05	
3/23/2016	<0.001	
5/20/2016	<0.001	
7/29/2016	<0.001	
9/23/2016	<0.001	
11/9/2016	<0.001	
1/31/2017	<0.001	
3/30/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/19/2018	<0.001	
9/14/2018	<0.001	
3/20/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

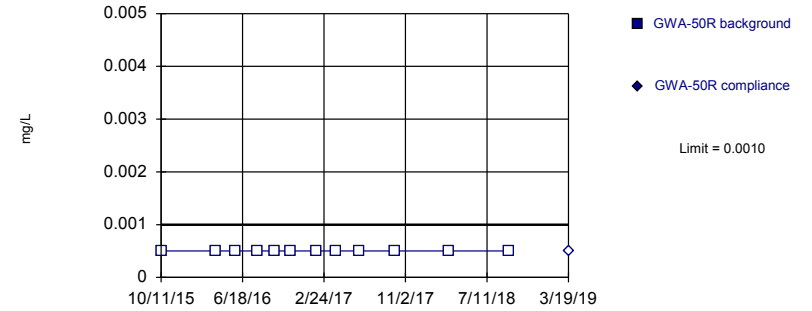


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Thallium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

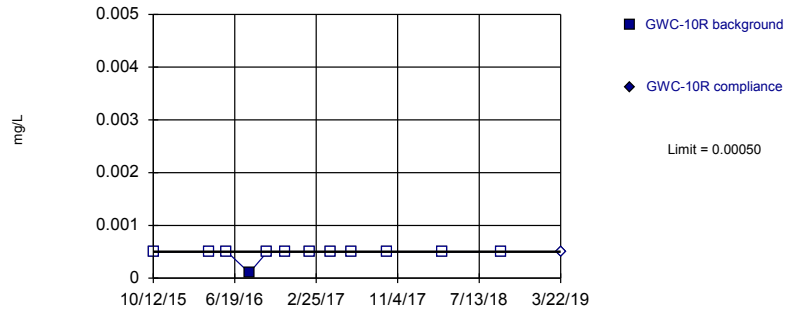


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

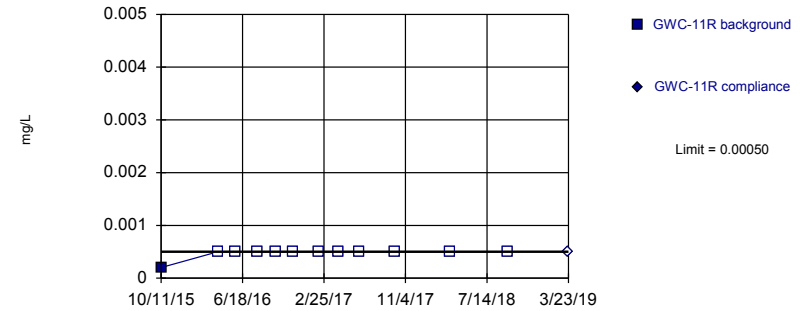


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
3/30/2015	7E-05	
10/13/2015	<6E-05	
3/23/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	<0.001	
9/22/2016	<0.001	
11/10/2016	<0.001	
1/31/2017	<0.001	
4/3/2017	<0.001	
6/9/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/14/2018	<0.001	
3/19/2019		<0.001



# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
10/11/2015	<0.001	
3/28/2016	<0.001	
5/25/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/11/2016	<0.001	
1/30/2017	<0.001	
4/3/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/18/2018	<0.001	
3/19/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
10/12/2015	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	0.0001 (J)	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/22/2019		<0.001

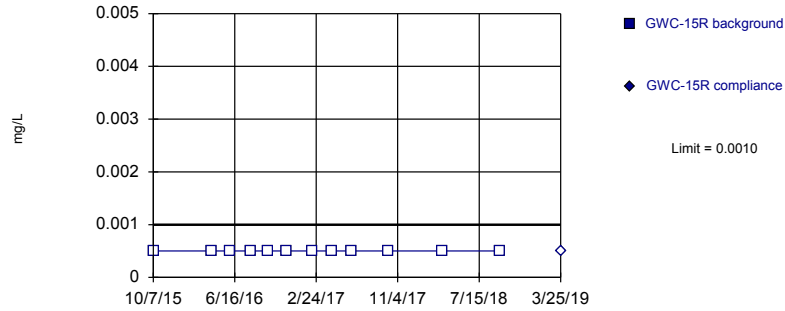
# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
10/11/2015	0.0002	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/4/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	<0.001	
10/4/2017	<0.001	
3/22/2018	<0.001	
9/18/2018	<0.001	
3/23/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

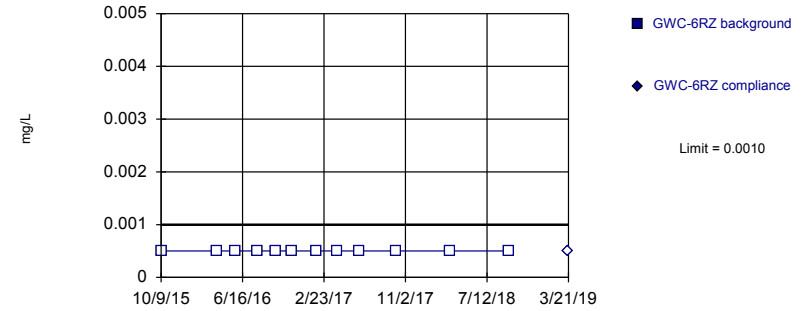


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

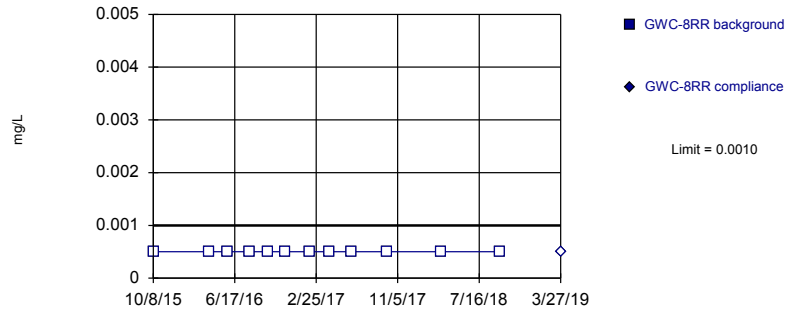


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

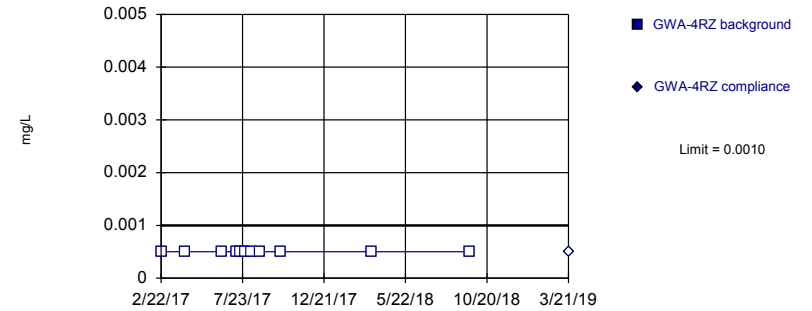


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Thallium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
10/7/2015	<0.001 (D)	
4/5/2016	<0.001	
5/31/2016	<0.001	
8/4/2016	<0.001	
9/29/2016	<0.001	
11/23/2016	<0.001	
2/10/2017	<0.001	
4/12/2017	<0.001	
6/15/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/19/2018	<0.001	
3/25/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
10/9/2015	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/14/2016	<0.001	
2/1/2017	<0.001	
4/6/2017	<0.001	
6/13/2017	<0.001	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/17/2018	<0.001	
3/21/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/8/2015	<0.001 (D)	
3/30/2016	<0.001	
5/24/2016	<0.001	
8/2/2016	<0.001	
9/27/2016	<0.001	
11/22/2016	<0.001	
2/6/2017	<0.001	
4/6/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/27/2019		<0.001

# Prediction Limit

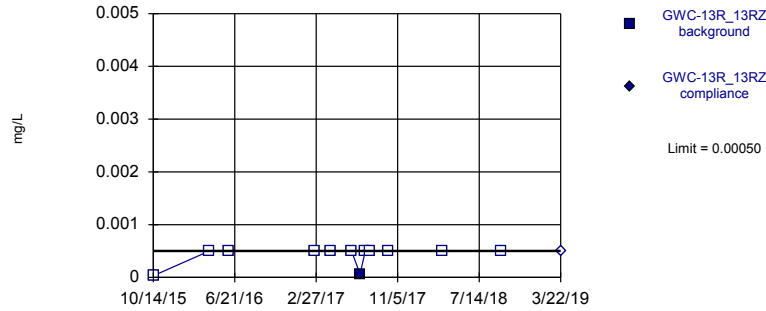
Constituent: Thallium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	<0.001	
4/7/2017	<0.001	
6/14/2017	<0.001	
7/12/2017	<0.001	
7/20/2017	<0.001	
7/28/2017	<0.001	
8/9/2017	<0.001	
8/24/2017	<0.001	
10/3/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/21/2019		<0.001



Within Limit

Prediction Limit  
Intrawell Non-parametric

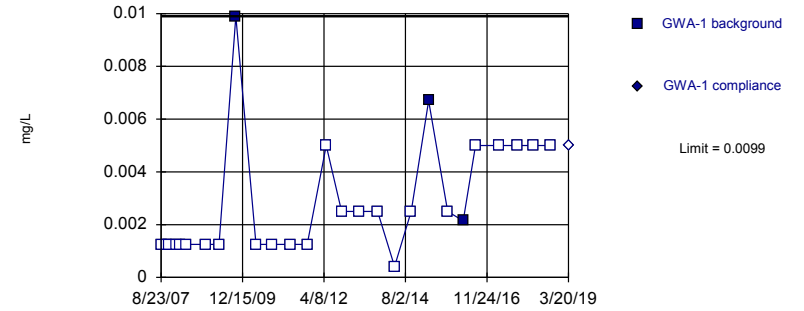


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

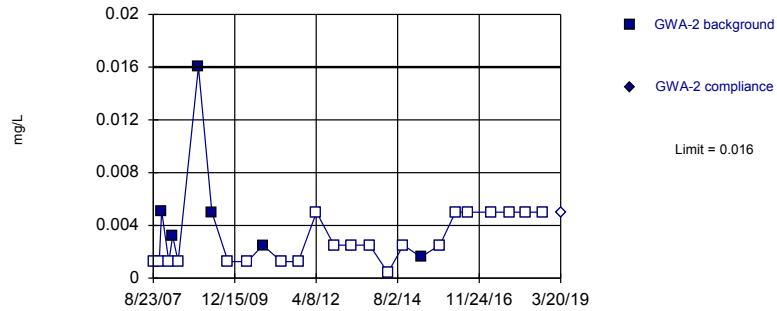


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

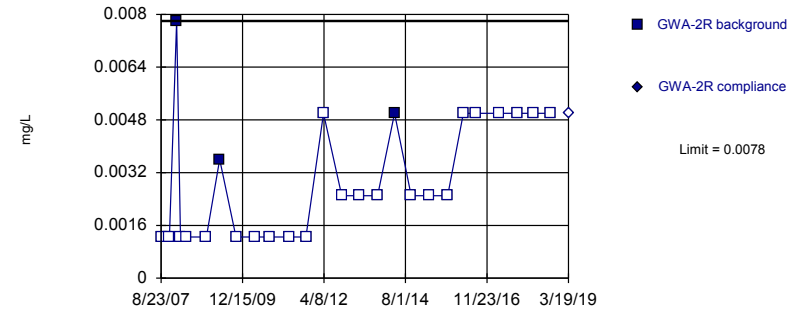


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
10/14/2015	<6E-05	
4/4/2016	<0.001	
6/1/2016	<0.001	
2/22/2017	<0.001	
4/11/2017	<0.001	
6/16/2017	<0.001	
7/12/2017	6E-05 (J)	
7/28/2017	<0.001	
8/10/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/20/2018	<0.001	
3/22/2019		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.0025	
10/23/2007	<0.0025	
11/18/2007	<0.0025	
1/30/2008	<0.0025	
3/10/2008	<0.0025	
5/13/2008	<0.0025	
12/5/2008	<0.0025	
4/15/2009	<0.0025	
10/7/2009	0.0099	
5/3/2010	<0.0025	
10/12/2010	<0.0025	
4/27/2011	<0.0025	
10/17/2011	<0.0025	
5/2/2012	<0.01	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.000825	
9/30/2014	<0.005	
3/30/2015	0.0067	
10/13/2015	<0.005	
3/22/2016	0.00214 (J)	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.0025	
10/24/2007	<0.0025	
11/18/2007	0.0051	
1/31/2008	<0.0025	
3/11/2008	0.0032	
5/6/2008	<0.0025	
12/4/2008	0.016	
4/21/2009	0.005	
10/7/2009	<0.0025	
4/26/2010	<0.0025	
10/4/2010	0.0025	
4/13/2011	<0.0025	
10/5/2011	<0.0025	
4/11/2012	<0.01	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.000825	
9/30/2014	<0.005	
3/30/2015	0.0016 (J)	
10/13/2015	<0.005	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019		<0.01

# Prediction Limit

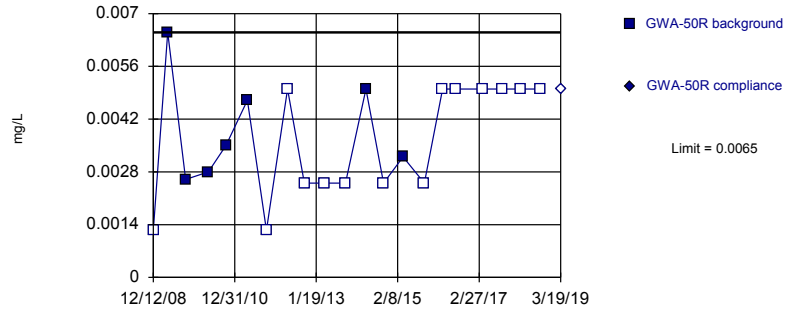
Constituent: Vanadium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.0025	
10/24/2007	<0.0025	
11/18/2007	<0.0025	
1/31/2008	0.0078	
3/10/2008	<0.0025	
5/13/2008	<0.0025	
12/4/2008	<0.0025	
4/21/2009	0.0036	
10/8/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.01	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	0.005 (J)	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.01	
7/29/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

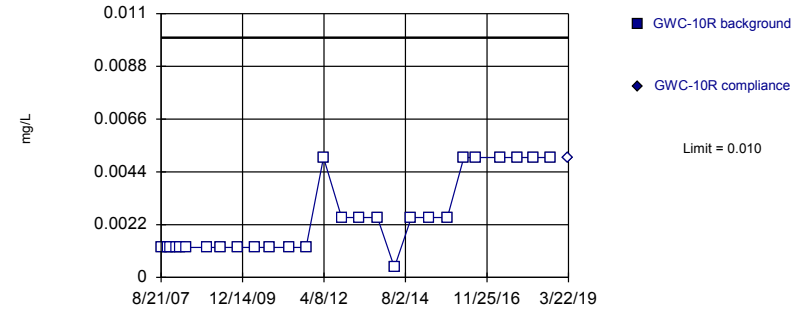


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

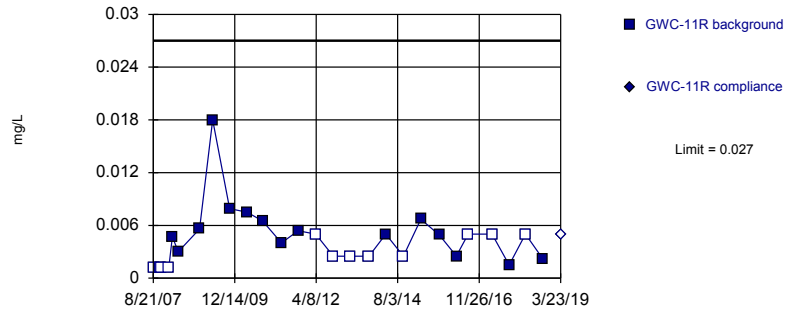


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

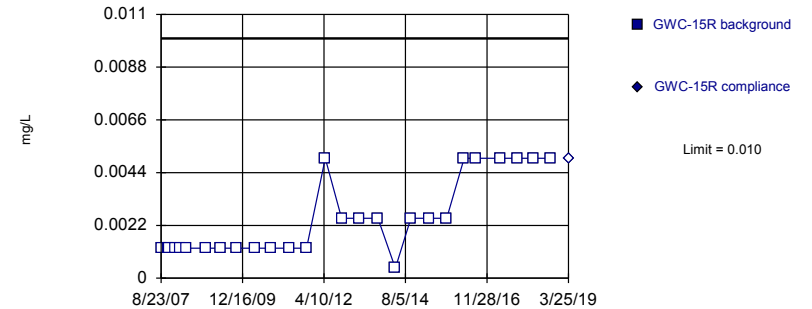


Background Data Summary (based on cube root transformation) (after Aitchison's Adjustment): Mean=0.09544, Std. Dev.=0.09073, n=27, 44.44% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.917, critical = 0.894. Kappa = 2.257 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Vanadium Analysis Run 8/23/2019 1:39 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.0025	
4/23/2009	0.0065	
10/6/2009	0.0026	
5/3/2010	0.0028	
10/11/2010	0.0035	
4/27/2011	0.0047	
10/19/2011	<0.0025	
5/1/2012	<0.01	
10/2/2012	<0.005	
4/10/2013	<0.005	
10/16/2013	<0.005	
4/22/2014	0.005 (J)	
10/1/2014	<0.005	
3/30/2015	0.0032 (J)	
10/11/2015	<0.005	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/20/2007	<0.0025	
1/30/2008	<0.0025	
3/6/2008	<0.0025	
5/8/2008	<0.0025	
12/14/2008	<0.0025	
4/29/2009	<0.0025	
10/21/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	<0.0025	
4/12/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.01	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.000825	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/18/2007	<0.0025	
1/30/2008	<0.0025	
3/6/2008	0.0047	
5/7/2008	0.003	
12/14/2008	0.0056	
4/29/2009	0.018	
10/22/2009	0.0079	
4/21/2010	0.0075	
9/29/2010	0.0065	
4/13/2011	0.004	
10/4/2011	0.0054	
4/4/2012	<0.01	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	0.005 (J)	
10/2/2014	<0.005	
4/1/2015	0.0067	
10/11/2015	0.0049 (J)	
4/4/2016	0.00251 (J)	
8/4/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	0.0015 (J)	
3/22/2018	<0.01	
9/18/2018	0.0022 (J)	
3/23/2019		<0.01

# Prediction Limit

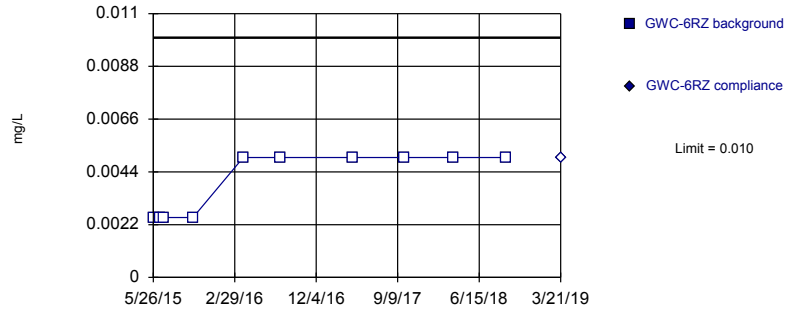
Constituent: Vanadium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.0025	
11/2/2007	<0.0025	
11/17/2007	<0.0025	
1/15/2008	<0.0025	
3/6/2008	<0.0025	
5/7/2008	<0.0025	
12/2/2008	<0.0025	
4/28/2009	<0.0025	
10/19/2009	<0.0025	
4/27/2010	<0.0025	
10/4/2010	<0.0025	
4/18/2011	<0.0025	
10/12/2011	<0.0025	
4/23/2012	<0.01	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.000825	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.01	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

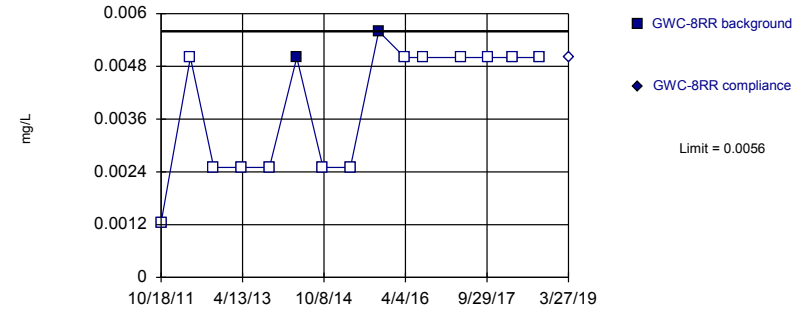


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Vanadium Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

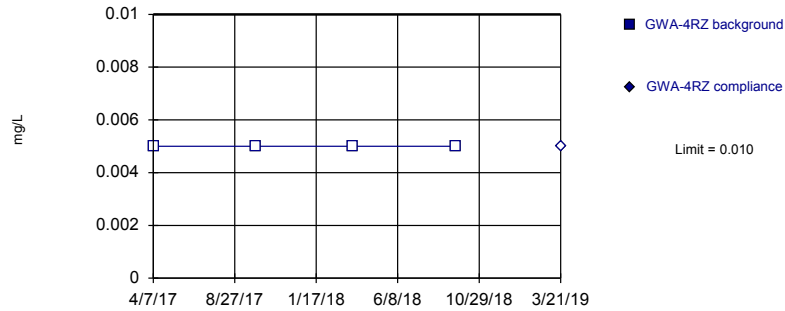


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

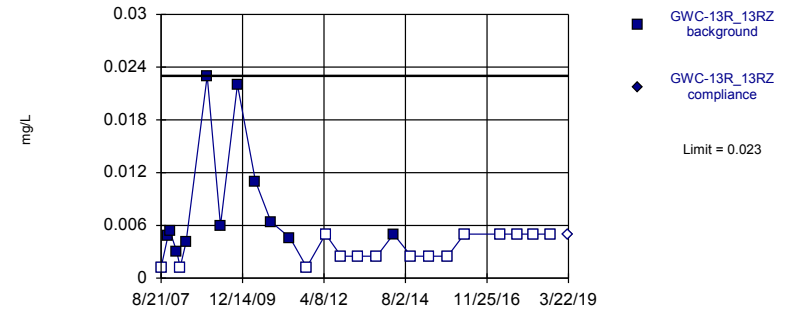


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 4) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Vanadium Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 57.69% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Vanadium Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.0025	
4/30/2012	<0.01	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	0.005 (J)	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.0056	
3/30/2016	<0.01	
8/2/2016	<0.01	
4/6/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.01	
10/3/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		<0.01

# Prediction Limit

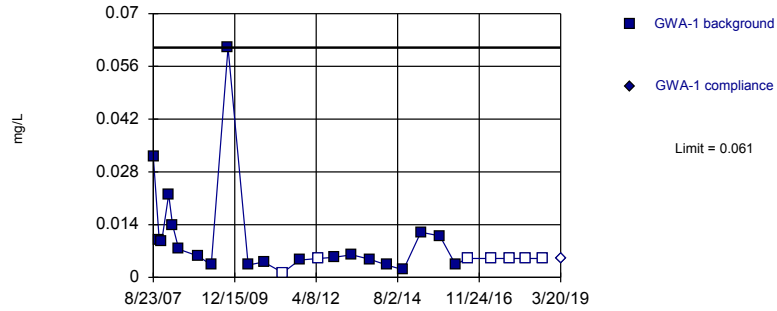
Constituent: Vanadium (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.0025	
11/1/2007	0.0048	
11/19/2007	0.0054	
1/31/2008	0.003	
3/5/2008	<0.0025	
5/7/2008	0.0041	
12/12/2008	0.023	
4/29/2009	0.006	
10/21/2009	0.022	
4/28/2010	0.011	
10/6/2010	0.0064	
4/20/2011	0.0046	
10/12/2011	<0.0025	
4/25/2012	<0.01	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	0.005 (J)	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

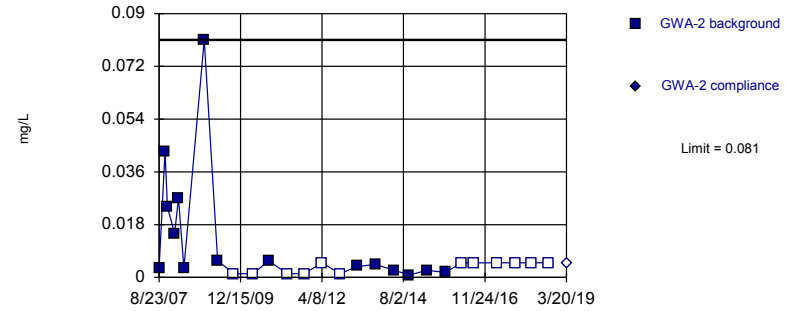


Non-parametric test used after natural log transformation resulted in a parametric limit of 4.865, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 27 background values. 25.93% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

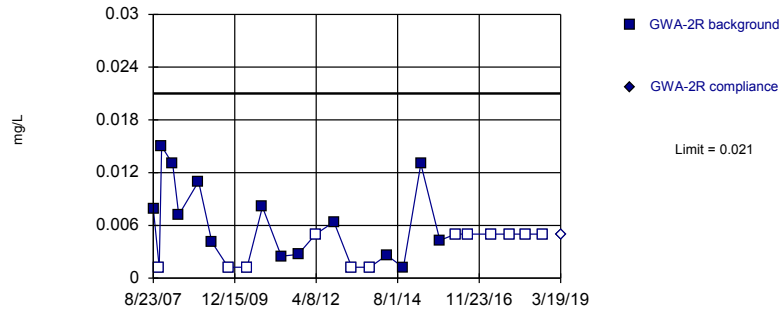


Non-parametric test used after natural log transformation resulted in a parametric limit of 28.7, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 27 background values. 44.44% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

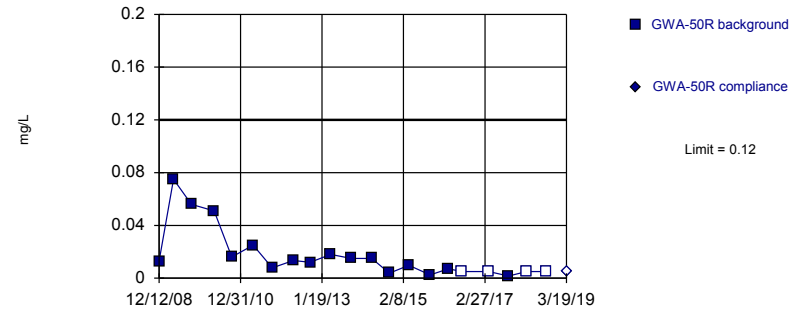


Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=0.04294, Std. Dev.=0.0452, n=26, 46.15% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9188, critical = 0.891. Kappa = 2.269 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on cube root transformation) (after Aitchison's Adjustment): Mean=0.1994, Std. Dev.=0.1241, n=21, 19.05% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9117, critical = 0.873. Kappa = 2.354 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/23/2019 2:43 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	0.032	
10/23/2007	0.0099	
11/18/2007	0.0095 (J)	
1/30/2008	0.022	
3/10/2008	0.014	
5/13/2008	0.0075	
12/5/2008	0.0056 (J)	
4/15/2009	0.0033	
10/7/2009	0.061	
5/3/2010	0.0033	
10/12/2010	0.0041	
4/27/2011	<0.0025	
10/17/2011	0.0046	
5/2/2012	<0.01	
10/8/2012	0.0053	
4/12/2013	0.006	
10/16/2013	0.0048	
4/11/2014	0.0033	
9/30/2014	0.002 (J)	
3/30/2015	0.012	
10/13/2015	0.011	
3/22/2016	0.00346 (J)	
7/29/2016	<0.01 (*)	
3/30/2017	<0.01 (*)	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/23/2019 2:44 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	0.0033	
10/24/2007	0.043	
11/18/2007	0.024	
1/31/2008	0.015	
3/11/2008	0.027	
5/6/2008	0.0032	
12/4/2008	0.081	
4/21/2009	0.0057	
10/7/2009	<0.0025	
4/26/2010	<0.0025	
10/4/2010	0.0057	
4/13/2011	<0.0025	
10/5/2011	<0.0025	
4/11/2012	<0.01	
10/9/2012	<0.0025	
4/15/2013	0.0038	
10/15/2013	0.0044	
4/22/2014	0.0025 (J)	
9/30/2014	0.00076 (J)	
3/30/2015	0.0024 (J)	
10/13/2015	0.0017 (J)	
3/23/2016	<0.01	
7/29/2016	<0.01 (*)	
3/30/2017	<0.01 (*)	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/23/2019 2:44 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	0.0079	
10/24/2007	<0.0025	
11/18/2007	0.015	
1/31/2008	0.063 (O)	
3/10/2008	0.013 (J)	
5/13/2008	0.0072	
12/4/2008	0.011 (J)	
4/21/2009	0.0041	
10/8/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	0.0081	
4/12/2011	0.0025	
10/4/2011	0.0027	
4/3/2012	<0.01	
10/9/2012	0.0064	
4/11/2013	<0.0025	
10/16/2013	<0.0025	
4/10/2014	0.0026	
9/30/2014	0.0012 (J)	
3/30/2015	0.013	
10/13/2015	0.0043	
3/23/2016	<0.01	
7/29/2016	<0.01 (*)	
4/3/2017	<0.01 (*)	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01

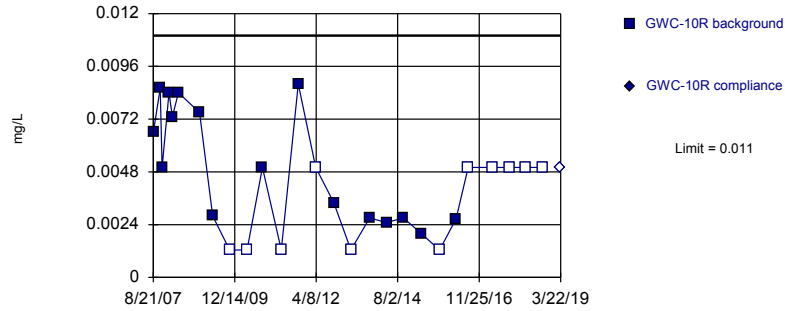
# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/23/2019 2:44 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	0.013 (J)	
4/23/2009	0.075	
10/6/2009	0.056	
5/3/2010	0.051	
10/11/2010	0.016	
4/27/2011	0.025	
10/19/2011	0.0078	
5/1/2012	0.0134	
10/2/2012	0.012	
4/10/2013	0.018	
10/16/2013	0.015	
4/22/2014	0.015	
10/1/2014	0.0038	
3/30/2015	0.0097	
10/11/2015	0.0024 (J)	
3/28/2016	0.00703 (J)	
8/1/2016	<0.01 (*)	
4/3/2017	<0.01 (*)	
10/2/2017	0.0016 (J)	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Parametric

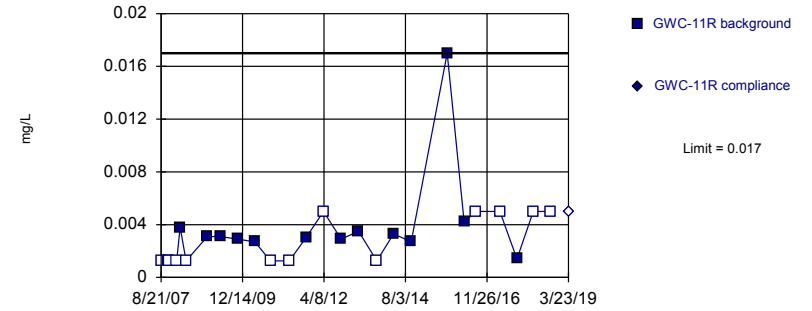


Background Data Summary (after Aitchison's Adjustment): Mean=0.003124, Std. Dev.=0.003301, n=27, 40.74% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9001, critical = 0.894. Kappa = 2.257 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

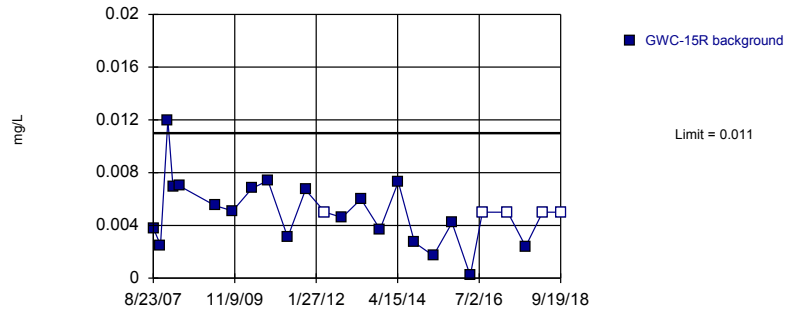
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 50% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Parametric, GWC-15R

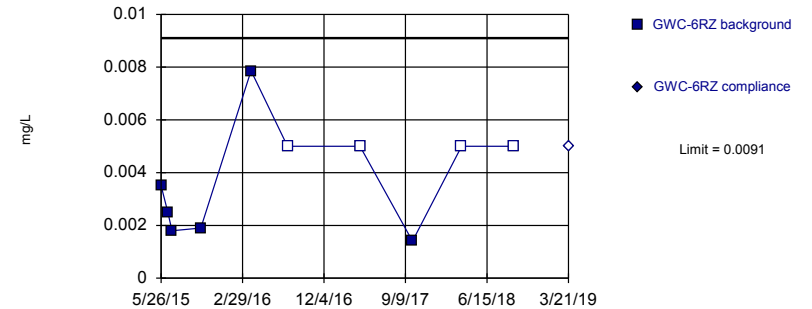


Background Data Summary (after Aitchison's Adjustment): Mean=0.003984, Std. Dev.=0.003123, n=25, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9472, critical = 0.888. Kappa = 2.281 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486. Assumes 1 future value.

Constituent: Zinc Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (after Aitchison's Adjustment): Mean=0.001896, Std. Dev.=0.00243, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8988, critical = 0.781. Kappa = 2.945 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/23/2019 2:44 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	0.0066	
11/1/2007	0.0086	
11/20/2007	0.005	
1/30/2008	0.0084	
3/6/2008	0.0073	
5/8/2008	0.0084	
12/14/2008	0.0075 (J)	
4/29/2009	0.0028	
10/21/2009	<0.0025	
4/21/2010	<0.0025	
9/28/2010	0.005	
4/12/2011	<0.0025	
10/4/2011	0.0088	
4/3/2012	<0.01	
10/8/2012	0.0034	
4/3/2013	<0.0025	
10/15/2013	0.0027	
4/9/2014	0.0025 (J)	
10/2/2014	0.0027 (V)	
4/2/2015	0.002 (J)	
10/12/2015	<0.0025	
3/31/2016	0.00266 (J)	
8/3/2016	<0.01 (*)	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/23/2019 2:44 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.0025	
11/1/2007	<0.0025	
11/18/2007	<0.0025	
1/30/2008	<0.0025	
3/6/2008	0.0038	
5/7/2008	<0.0025	
12/14/2008	0.0031 (J)	
4/29/2009	0.0031	
10/22/2009	0.0029	
4/21/2010	0.0027	
9/29/2010	<0.0025	
4/13/2011	<0.0025	
10/4/2011	0.003	
4/4/2012	<0.01	
10/3/2012	0.0029	
4/3/2013	0.0035	
10/9/2013	<0.0025	
4/2/2014	0.0033	
10/2/2014	0.0027	
4/1/2015	0.013 (O)	
10/11/2015	0.017	
4/4/2016	0.00419 (J)	
8/4/2016	<0.01 (*)	
4/10/2017	<0.01	
10/4/2017	0.0014 (J)	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/23/2019 2:44 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R
8/23/2007	0.0038
11/2/2007	0.0025
11/17/2007	0.023 (O)
1/15/2008	0.012
3/6/2008	0.0069
5/7/2008	0.007
12/2/2008	0.021 (O)
4/28/2009	0.0055
10/19/2009	0.0051
4/27/2010	0.0068
10/4/2010	0.0074
4/18/2011	0.0031
10/12/2011	0.0067
4/23/2012	<0.01
10/10/2012	0.0046
4/15/2013	0.006
10/22/2013	0.0037
4/21/2014	0.0073
9/30/2014	0.0027
4/3/2015	0.0017 (J)
10/7/2015	0.0042
4/5/2016	0.000194 (J)
8/4/2016	<0.01 (*)
4/12/2017	<0.01 (*)
10/6/2017	0.0024 (J)
3/23/2018	<0.01
9/19/2018	<0.01
3/25/2019	0.0039 (X)



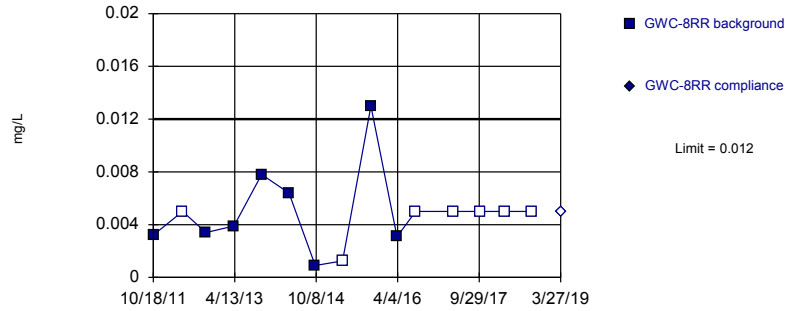
# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/23/2019 2:44 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	0.0035	
6/18/2015	0.0025 (D)	
7/2/2015	0.0018 (J)	
10/9/2015	0.0019 (J)	
3/29/2016	0.00786 (J)	
8/1/2016	<0.01	
4/6/2017	<0.01 (*)	
10/3/2017	0.0014 (J)	
3/20/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01

Within Limit

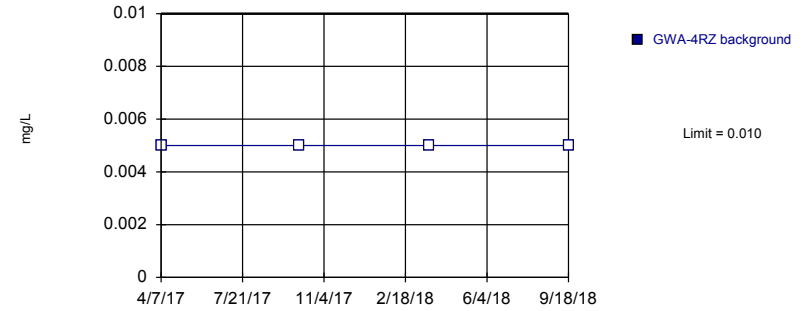
Prediction Limit  
Intrawell Parametric



Background Data Summary (after Aitchison's Adjustment): Mean=0.002779, Std. Dev.=0.003801, n=15, 46.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8476, critical = 0.835. Kappa = 2.555 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

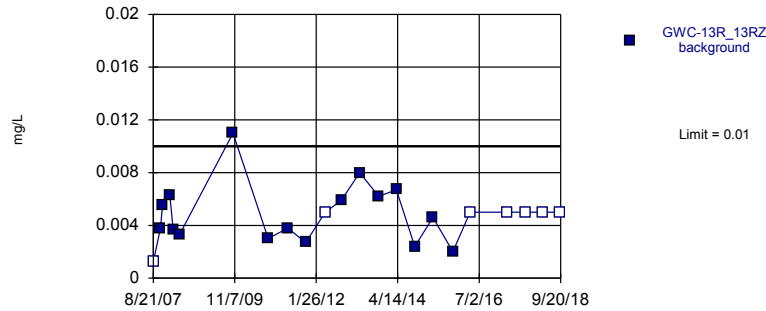
Prediction Limit  
Intrawell Non-parametric, GWA-4RZ (bg)



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 4) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Assumes 1 future value.

Constituent: Zinc Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit  
Intrawell Parametric, GWC-13R\_13RZ



Background Data Summary (after Aitchison's Adjustment): Mean=0.00343, Std. Dev.=0.003038, n=23, 30.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9353, critical = 0.881. Kappa = 2.317 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486. Assumes 1 future value.

Constituent: Zinc Analysis Run 8/23/2019 1:40 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/23/2019 2:44 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	0.0032	
4/30/2012	<0.01	
10/3/2012	0.0034	
4/8/2013	0.0039	
10/9/2013	0.0078	
4/10/2014	0.0064	
10/2/2014	0.0009 (JV)	
4/3/2015	<0.0025	
10/8/2015	0.013	
3/30/2016	0.00308 (J)	
8/2/2016	<0.01 (*)	
4/6/2017	<0.01 (*)	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/23/2019 2:44 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

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	GWA-4RZ
4/7/2017	<0.01 (*)
10/3/2017	<0.01
3/21/2018	<0.01
9/18/2018	<0.01
3/21/2019	0.0034 (X)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/23/2019 2:44 PM View: 1&2 bedrock 1of2 metals  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWC-13R\_13RZ

8/21/2007	<0.0025
11/1/2007	0.0038
11/19/2007	0.0055
1/31/2008	0.0063
3/5/2008	0.0037
5/7/2008	0.0033
12/12/2008	0.097 (O)
4/29/2009	0.068 (O)
10/21/2009	0.011
4/28/2010	0.048 (O)
10/6/2010	0.003
4/20/2011	0.0038
10/12/2011	0.0027
4/25/2012	<0.01
10/2/2012	0.0059
4/2/2013	0.008
10/8/2013	0.0062
4/1/2014	0.0067
10/1/2014	0.0024 (J)
3/31/2015	0.0046
10/14/2015	0.002 (J)
4/4/2016	<0.01
4/11/2017	<0.01 (*)
10/6/2017	<0.01
3/23/2018	<0.01
9/20/2018	<0.01
3/22/2019	0.0048 (X)

# Interwell Prediction Limits AppIII - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 12:52 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Chloride (mg/L)	GWC-13	3	n/a	3/23/2019	3.5	Yes	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-14_14Z	3	n/a	3/22/2019	3.7	Yes	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-13R_13RZ	3	n/a	3/22/2019	7.4	Yes	84	7.143	sqrt(x)	0.000...	Param 1 of 2
pH (pH units)	GWC-15R	7.6	5.2	3/25/2019	7.64	Yes	85	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-8RR	7.6	5.2	3/27/2019	8.07	Yes	85	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-8Z	7.6	5.2	5/6/2019	7.98	Yes	85	0	n/a	0.000...	NP (normality) 1 of 2

# Interwell Prediction Limits AppIII - All Results

Plant Bowen    Client: Southern Company    Data: Bowen 1&2 CCR    Printed 8/28/2019, 12:52 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Boron (mg/L)	GWC-10	0.050	n/a	3/22/2019	0.02ND	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-10R	0.050	n/a	3/22/2019	0.02ND	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.050	n/a	3/23/2019	0.02ND	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-11R	0.050	n/a	3/23/2019	0.02ND	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.050	n/a	3/23/2019	0.02ND	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-13	0.050	n/a	3/23/2019	0.012	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-14_14Z	0.050	n/a	3/22/2019	0.02ND	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-15R	0.050	n/a	3/25/2019	0.02ND	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-15_15Z	0.050	n/a	3/22/2019	0.02ND	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-5	0.050	n/a	3/20/2019	0.02ND	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-6	0.050	n/a	3/21/2019	0.02ND	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-6RZ	0.050	n/a	3/21/2019	0.02ND	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-7Z	0.050	n/a	3/21/2019	0.02ND	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-8RR	0.050	n/a	3/27/2019	0.0078	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-8Z	0.050	n/a	5/6/2019	0.0065	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.050	n/a	3/21/2019	0.006	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-13R_13RZ	0.050	n/a	3/22/2019	0.013	No	84	76.19	n/a	0.000...	NP (NDs) 1 of 2
Chloride (mg/L)	GWC-10	3	n/a	3/22/2019	2.2	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-10R	3	n/a	3/22/2019	2.8	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-11	3	n/a	3/23/2019	1.2	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-11R	3	n/a	3/23/2019	1.7	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-12	3	n/a	3/23/2019	0.88	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
<b>Chloride (mg/L)</b>	<b>GWC-13</b>	<b>3</b>	<b>n/a</b>	<b>3/23/2019</b>	<b>3.5</b>	<b>Yes</b>	<b>84</b>	<b>7.143</b>	<b>sqrt(x)</b>	<b>0.000...</b>	Param 1 of 2
<b>Chloride (mg/L)</b>	<b>GWC-14_14Z</b>	<b>3</b>	<b>n/a</b>	<b>3/22/2019</b>	<b>3.7</b>	<b>Yes</b>	<b>84</b>	<b>7.143</b>	<b>sqrt(x)</b>	<b>0.000...</b>	Param 1 of 2
Chloride (mg/L)	GWC-15R	3	n/a	3/25/2019	1.9	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-15_15Z	3	n/a	3/22/2019	1.2	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-5	3	n/a	3/20/2019	0.465ND	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-6	3	n/a	3/21/2019	0.7ND	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-6RZ	3	n/a	3/21/2019	0.75ND	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-7Z	3	n/a	3/21/2019	0.5ND	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-8RR	3	n/a	3/27/2019	0.9	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-8Z	3	n/a	5/6/2019	1.1	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
Chloride (mg/L)	GWC-9	3	n/a	3/21/2019	2	No	84	7.143	sqrt(x)	0.000...	Param 1 of 2
<b>Chloride (mg/L)</b>	<b>GWC-13R_13RZ</b>	<b>3</b>	<b>n/a</b>	<b>3/22/2019</b>	<b>7.4</b>	<b>Yes</b>	<b>84</b>	<b>7.143</b>	<b>sqrt(x)</b>	<b>0.000...</b>	Param 1 of 2
Fluoride (mg/L)	GWC-10	1.1	n/a	3/22/2019	0.045	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-10R	1.1	n/a	3/22/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-11	1.1	n/a	3/23/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-11R	1.1	n/a	3/23/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-12	1.1	n/a	3/23/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-13	1.1	n/a	3/23/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-14_14Z	1.1	n/a	3/22/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-15R	1.1	n/a	3/25/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-15_15Z	1.1	n/a	3/22/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-5	1.1	n/a	3/20/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-6	1.1	n/a	3/21/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-6RZ	1.1	n/a	3/21/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-7Z	1.1	n/a	3/21/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-8RR	1.1	n/a	3/27/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-8Z	1.1	n/a	5/6/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-9	1.1	n/a	3/21/2019	0.15ND	No	84	50	n/a	0.000...	NP (normality) 1 of 2

# Interwell Prediction Limits AppIII - All Results

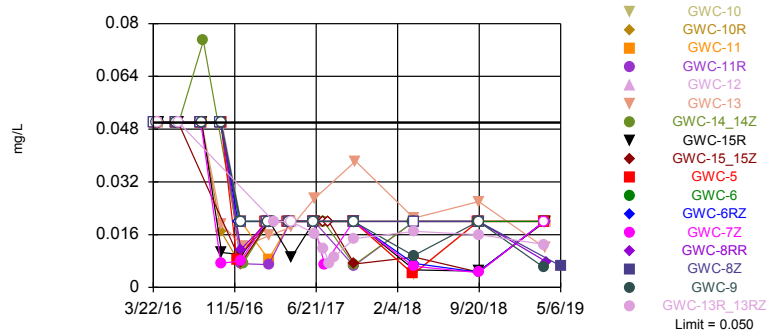
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 12:52 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Fluoride (mg/L)	GWC-13R_13RZ	1.1	n/a	3/22/2019	0.12	No	84	50	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-10	7.6	5.2	3/22/2019	6.23	No	85	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-10R	7.6	5.2	3/22/2019	7.34	No	85	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-11	7.6	5.2	3/23/2019	6.27	No	85	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-11R	7.6	5.2	3/23/2019	7.56	No	85	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-12	7.6	5.2	3/23/2019	6.34	No	85	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-13	7.6	5.2	3/23/2019	7.27	No	85	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-14_14Z	7.6	5.2	3/22/2019	6.27	No	85	0	n/a	0.000...	NP (normality) 1 of 2
<b>pH (pH units)</b>	<b>GWC-15R</b>	<b>7.6</b>	<b>5.2</b>	<b>3/25/2019</b>	<b>7.64</b>	<b>Yes</b>	<b>85</b>	<b>0</b>	<b>n/a</b>	<b>0.000...</b>	NP (normality) 1 of 2
pH (pH units)	GWC-15_15Z	7.6	5.2	3/22/2019	7.55	No	85	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-5	7.6	5.2	3/20/2019	6.29	No	85	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-6	7.6	5.2	3/21/2019	7.21	No	85	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-6RZ	7.6	5.2	3/21/2019	6.82	No	85	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-7Z	7.6	5.2	3/21/2019	7.3	No	85	0	n/a	0.000...	NP (normality) 1 of 2
<b>pH (pH units)</b>	<b>GWC-8RR</b>	<b>7.6</b>	<b>5.2</b>	<b>3/27/2019</b>	<b>8.07</b>	<b>Yes</b>	<b>85</b>	<b>0</b>	<b>n/a</b>	<b>0.000...</b>	NP (normality) 1 of 2
<b>pH (pH units)</b>	<b>GWC-8Z</b>	<b>7.6</b>	<b>5.2</b>	<b>5/6/2019</b>	<b>7.98</b>	<b>Yes</b>	<b>85</b>	<b>0</b>	<b>n/a</b>	<b>0.000...</b>	NP (normality) 1 of 2
pH (pH units)	GWC-9	7.6	5.2	3/21/2019	5.33	No	85	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-13R_13RZ	7.6	5.2	3/22/2019	7.49	No	85	0	n/a	0.000...	NP (normality) 1 of 2



Within Limit

Prediction Limit  
Interwell Non-parametric

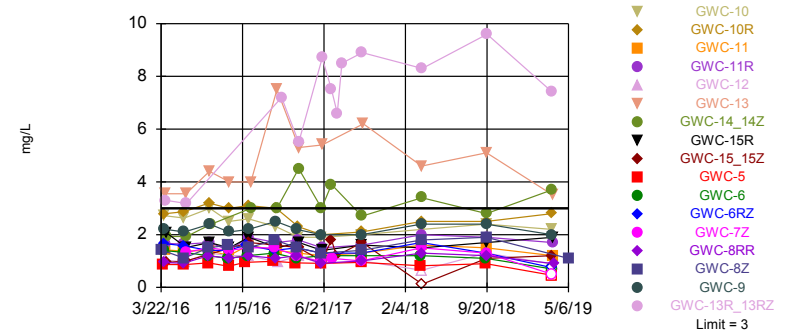


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 84 background values. 76.19% NDs. Annual per-constituent alpha = 0.009151. Individual comparison alpha = 0.0002703 (1 of 2). Comparing 17 points to limit.

Constituent: Boron Analysis Run 8/28/2019 12:51 PM View: Cells1&2\_AppIII\_Interwell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limit: GWC-13, GWC-14\_14Z,  
GWC-13R 13RZ

Prediction Limit  
Interwell Parametric

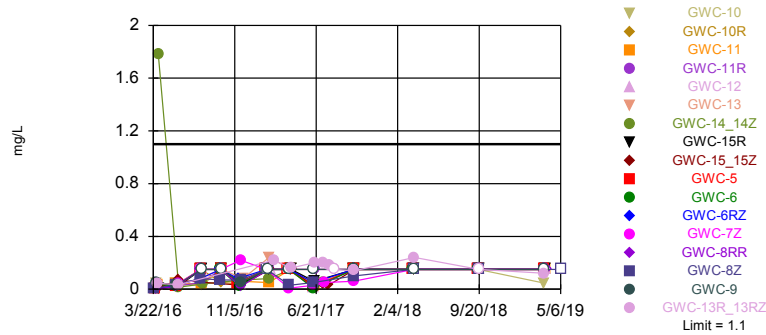


Background Data Summary (based on square root transformation): Mean=1.193, Std. Dev.=0.2613, n=84, 7.143% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9609, critical = 0.96. Kappa = 2.104 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0004426. Comparing 17 points to limit.

Constituent: Chloride Analysis Run 8/28/2019 12:51 PM View: Cells1&2\_AppIII\_Interwell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Interwell Non-parametric

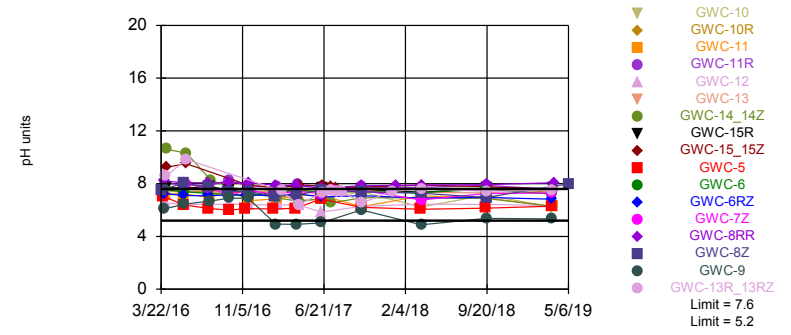


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 84 background values. 50% NDs. Annual per-constituent alpha = 0.009151. Individual comparison alpha = 0.0002703 (1 of 2). Comparing 17 points to limit.

Constituent: Fluoride Analysis Run 8/28/2019 12:51 PM View: Cells1&2\_AppIII\_Interwell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limits: GWC-15R, GWC-8RR,  
GWC-8Z

Prediction Limit  
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 85 background values. Annual per-constituent alpha = 0.0179. Individual comparison alpha = 0.0005287 (1 of 2). Comparing 17 points to limit.

Constituent: pH Analysis Run 8/28/2019 12:51 PM View: Cells1&2\_AppIII\_Interwell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_ApplIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-3 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWC-5	GWA-50 (bg)	GWA-50R (bg)	GWC-6RZ
3/22/2016	<0.1	<0.1							
3/23/2016			<0.1	<0.1	<0.1				
3/28/2016						<0.1	<0.1	<0.1	
3/29/2016									<0.1
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/19/2016	<0.1				<0.1				
5/20/2016				<0.1					
5/23/2016			<0.1				<0.1		
5/24/2016									<0.1
5/25/2016		<0.1				<0.1		<0.1	
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/29/2016	<0.1 (*)		<0.1 (*)	<0.1 (*)	<0.1 (*)				
8/1/2016						<0.1 (*)	<0.1 (*)	<0.1 (*)	<0.1
8/2/2016		<0.1 (*)							
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/22/2016			<0.1		<0.1				
9/23/2016	<0.1 (*)			<0.1 (*)					
9/26/2016		<0.1					<0.1	<0.1	<0.1
9/27/2016						<0.1			
9/28/2016									
9/29/2016									
9/30/2016									
11/9/2016	<0.04 (*)			<0.04 (*)					
11/10/2016			<0.04		<0.04		<0.04 (*)		
11/11/2016						0.0083 (J)		0.0193 (J)	
11/14/2016									<0.04
11/18/2016									
11/21/2016		<0.04							
11/22/2016									
11/23/2016									
11/28/2016									
1/30/2017	<0.04						<0.04	<0.04	
1/31/2017			<0.04	<0.04	<0.04	<0.04			
2/1/2017									<0.04
2/3/2017		<0.04							
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/22/2017									
3/30/2017	0.0065 (J)		<0.04	<0.04					

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_ApplIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-3 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWC-5	GWA-50 (bg)	GWA-50R (bg)	GWC-6RZ
4/3/2017					<0.04	<0.04		<0.04	
4/6/2017									<0.04
4/7/2017		<0.04					0.008 (J)		
4/10/2017									
4/11/2017									
4/12/2017									
6/9/2017	<0.04				<0.04				
6/12/2017			<0.04	<0.04		<0.04	<0.04	<0.04	
6/13/2017		<0.04							<0.04
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/20/2017									
7/26/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
10/2/2017	<0.04			<0.04	<0.04		<0.04	<0.04	
10/3/2017		<0.04				<0.04			<0.04
10/4/2017			<0.04						
10/5/2017									
10/6/2017									
10/9/2017									
3/16/2018	<0.04				0.0077 (J)		<0.04	<0.04	
3/19/2018			0.0057 (J)	0.013 (J)		0.0041 (J)			
3/20/2018		<0.04							0.0073 (J)
3/21/2018									
3/22/2018									
3/23/2018									
9/14/2018				<0.04	<0.04				
9/17/2018	0.00625 (JD)		<0.04			<0.04	<0.04		0.0046 (J)
9/18/2018		<0.04						<0.04	
9/19/2018									
9/20/2018									
3/19/2019					0.014 (X)		<0.04	<0.04	
3/20/2019	0.0042 (X)		<0.04	<0.04		<0.04			
3/21/2019									<0.04
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019		0.0065 (X)							





# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_AppIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-14_14Z	GWC-15R	GWC-15_15Z	GWC-7Z	GWA-4RZ (bg)
3/22/2016						
3/23/2016						
3/28/2016						
3/29/2016						
3/30/2016						
3/31/2016						
4/4/2016	<0.1					
4/5/2016		<0.1	<0.1	<0.1		
5/19/2016						
5/20/2016						
5/23/2016						
5/24/2016						
5/25/2016						
5/26/2016						
5/27/2016						
5/31/2016	<0.1		<0.1	<0.1	<0.1	
6/1/2016		<0.1				
7/29/2016						
8/1/2016						
8/2/2016					<0.1 (*)	
8/3/2016						
8/4/2016	<0.1 (*)		<0.1			
8/5/2016						
8/9/2016		0.0748 (D)				
9/22/2016						
9/23/2016						
9/26/2016						
9/27/2016					0.0073 (J)	
9/28/2016						
9/29/2016	0.0192 (J)		0.0106 (J)			
9/30/2016						
11/9/2016						
11/10/2016						
11/11/2016						
11/14/2016						
11/18/2016						
11/21/2016					0.008 (J)	
11/22/2016						
11/23/2016			0.0099 (J)	0.0076 (J)		
11/28/2016	0.0124 (J)	0.0072 (J)				
1/30/2017						
1/31/2017						
2/1/2017					<0.04	
2/3/2017						
2/6/2017						
2/7/2017						
2/8/2017						
2/9/2017	0.0157 (J)	<0.04				
2/10/2017			<0.04	<0.04		
2/13/2017						
2/22/2017						0.022 (J)
3/30/2017						

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_AppIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-14_14Z	GWC-15R	GWC-15_15Z	GWC-7Z	GWA-4RZ (bg)
4/3/2017						
4/6/2017					<0.04	
4/7/2017						0.0082 (J)
4/10/2017						
4/11/2017		<0.04		<0.04		
4/12/2017	0.0183 (J)		0.009 (J)			
6/9/2017						
6/12/2017						
6/13/2017					<0.04	
6/14/2017		<0.04				0.008 (J)
6/15/2017			<0.04	<0.04		
6/16/2017	0.0269 (J)					
7/12/2017		<0.04		<0.04		0.0082 (J)
7/14/2017					0.007 (J)	
7/20/2017						0.0091 (J)
7/26/2017				<0.04		
7/28/2017						<0.04
8/9/2017						0.0071 (J)
8/10/2017						
8/24/2017						0.0062 (J)
10/2/2017						
10/3/2017					<0.04	0.006 (J)
10/4/2017						
10/5/2017		0.0068 (J)				
10/6/2017			<0.04	0.0071 (J)		
10/9/2017	0.0383 (J)					
3/16/2018						
3/19/2018						
3/20/2018					0.0064 (J)	
3/21/2018	0.021 (J)					0.0062 (J)
3/22/2018		<0.04				
3/23/2018			0.0053 (J)	0.0092 (J)		
9/14/2018						
9/17/2018						
9/18/2018					0.0045 (J)	0.0096 (J)
9/19/2018	0.026 (J)	<0.04	0.0049 (J)	0.0046 (J)		
9/20/2018						
3/19/2019						
3/20/2019						
3/21/2019					<0.04	0.0066 (X)
3/22/2019		<0.04 (D)		<0.04 (D)		
3/23/2019	0.012 (X)					
3/25/2019			<0.04			
3/27/2019						
5/6/2019						

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_AppIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-3 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWC-5	GWA-50 (bg)	GWA-50R (bg)	GWC-6RZ
3/22/2016	1.5101	1.4231							
3/23/2016			1.6092	2.4904	0.9079				
3/28/2016						0.8659	1.14	0.9204	
3/29/2016									1.6645
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/19/2016	1.5				0.9136				
5/20/2016				1.71					
5/23/2016			1.52				1.19		
5/24/2016									1.58
5/25/2016		1.11				0.8639		1.04	
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/29/2016	1.7		1.5	2	1.1				
8/1/2016						0.93	1.2	0.85	1.4
8/2/2016		1.5							
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/22/2016			1.4		1				
9/23/2016	1.8			1.8					
9/26/2016		1.6					1.1	0.87	1.4
9/27/2016						0.8			
9/28/2016									
9/29/2016									
9/30/2016									
11/9/2016	2			1.6					
11/10/2016			1.6		1.2		1.3		
11/11/2016						0.95		0.99	
11/14/2016									1.6
11/18/2016									
11/21/2016		1.5							
11/22/2016									
11/23/2016									
11/28/2016									
1/30/2017	1.5						1.2	0.95	
1/31/2017			1.6	1.3	1.2	0.99			
2/1/2017									1.4
2/3/2017		1.8							
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/22/2017									
3/30/2017	1.8		1.4	1.6					



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_AppIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-3 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWC-5	GWA-50 (bg)	GWA-50R (bg)	GWC-6RZ
4/3/2017					0.99	0.93		0.88	
4/6/2017									1.5
4/7/2017		1.5					1.2		
4/10/2017									
4/11/2017									
4/12/2017									
6/9/2017	1.6				0.87				
6/12/2017			1.4	1.6		0.91	1.1	0.83	
6/13/2017		1.3							1.3
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/20/2017									
7/26/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
10/2/2017	1.6			0.94	1		1.2	0.94	
10/3/2017		1.4				0.95			1.3
10/4/2017			1.5						
10/5/2017									
10/6/2017									
10/9/2017									
3/16/2018	1.7				1.6		1.4	<1.1	
3/19/2018			1.5	1.9		0.82			
3/20/2018		1.8							1.7
3/21/2018									
3/22/2018									
3/23/2018									
9/14/2018				0.98	0.92				
9/17/2018	1.55 (D)		1.5			0.9	1.1		1.3
9/18/2018		1.9						1	
9/19/2018									
9/20/2018									
3/19/2019					2		<1.2	<0.88	
3/20/2019	<1.4		<1.5	<0.86		<0.93			
3/21/2019									<1.5
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019		1.1							





# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_AppIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-14_14Z	GWC-15R	GWC-15_15Z	GWC-7Z	GWA-4RZ (bg)
3/22/2016						
3/23/2016						
3/28/2016						
3/29/2016						
3/30/2016						
3/31/2016						
4/4/2016	3.55					
4/5/2016		1.93	2.08	0.9439		
5/19/2016						
5/20/2016						
5/23/2016						
5/24/2016						
5/25/2016						
5/26/2016						
5/27/2016						
5/31/2016	3.55		1.51	1	1.33	
6/1/2016		1.93				
7/29/2016						
8/1/2016						
8/2/2016					1.5	
8/3/2016						
8/4/2016	4.4		1.7			
8/5/2016						
8/9/2016		2.4				
9/22/2016						
9/23/2016						
9/26/2016						
9/27/2016					1.4	
9/28/2016						
9/29/2016	4		1.5			
9/30/2016						
11/9/2016						
11/10/2016						
11/11/2016						
11/14/2016						
11/18/2016						
11/21/2016					1.5	
11/22/2016						
11/23/2016			1.9	1.7		
11/28/2016	4	3				
1/30/2017						
1/31/2017						
2/1/2017					1.5	
2/3/2017						
2/6/2017						
2/7/2017						
2/8/2017						
2/9/2017	7.5	3				
2/10/2017			1.5	1.6		
2/13/2017						
2/22/2017						3.7
3/30/2017						

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_AppIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-14_14Z	GWC-15R	GWC-15_15Z	GWC-7Z	GWA-4RZ (bg)
4/3/2017						
4/6/2017					1.2	
4/7/2017						2.5
4/10/2017						
4/11/2017		4.5		1.5		
4/12/2017	5.3		1.7			
6/9/2017						
6/12/2017						
6/13/2017					0.98	
6/14/2017		3				2.6
6/15/2017			1.4	1		
6/16/2017	5.4					
7/12/2017		3.9		1.8		2.8
7/14/2017					1.1	
7/20/2017						2.3
7/26/2017				1.2		
7/28/2017						2
8/9/2017						1.8
8/10/2017						
8/24/2017						2.9
10/2/2017						
10/3/2017					1	2.8
10/4/2017						
10/5/2017		2.7				
10/6/2017			1.6	1.7		
10/9/2017	6.2					
3/16/2018						
3/19/2018						
3/20/2018					1.5	
3/21/2018	4.6					2.9
3/22/2018		3.4				
3/23/2018			1.5	<0.25		
9/14/2018						
9/17/2018						
9/18/2018					1.3	3.1
9/19/2018	5.1	2.8	1.7	1.1		
9/20/2018						
3/19/2019						
3/20/2019						
3/21/2019					<1	3.6
3/22/2019		3.7 (D)		1.2 (D)		
3/23/2019	3.5					
3/25/2019			1.9			
3/27/2019						
5/6/2019						

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_AppIII\_Interwell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-3 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWC-5	GWA-50 (bg)	GWA-50R (bg)	GWC-6RZ
3/22/2016	0.0614 (J)	0.00323 (J)							
3/23/2016			<0.3	0.0477 (J)	0.0826 (J)				
3/28/2016						0.00421 (J)	0.0314 (J)	0.0326 (J)	
3/29/2016									0.00363 (J)
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/19/2016	0.064 (J)				0.0409 (J)				
5/20/2016				0.033 (J)					
5/23/2016			<0.3				0.027 (J)		
5/24/2016									0.0286 (J)
5/25/2016		0.0345 (J)				0.0207 (J)		0.0285 (J)	
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/29/2016	0.11 (J)		<0.3	0.16 (J)	0.07 (J)				
8/1/2016						<0.3	<0.3	<0.3	0.08 (J)
8/2/2016		0.08 (J)							
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/22/2016			<0.3		<0.3				
9/23/2016	0.03 (J)			0.1 (J)					
9/26/2016		0.07 (J)					<0.3	<0.3	<0.3
9/27/2016						<0.3			
9/28/2016									
9/29/2016									
9/30/2016									
11/9/2016	0.1 (J)			0.04 (J)					
11/10/2016			<0.3		0.03 (J)		0.04 (J)		
11/11/2016						0.04 (J)		<0.3	
11/14/2016									0.08 (J)
11/18/2016									
11/21/2016		0.07 (J)							
11/22/2016									
11/23/2016									
11/28/2016									
1/30/2017	<0.3						<0.3	<0.3	
1/31/2017			<0.3	<0.3	<0.3	<0.3			
2/1/2017									<0.3
2/3/2017		<0.3							
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/22/2017									
3/30/2017	0.01 (J)		<0.3	0.02 (J)					

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_AppIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-3 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWC-5	GWA-50 (bg)	GWA-50R (bg)	GWC-6RZ
4/3/2017					0.02 (J)	<0.3		0.04 (J)	
4/6/2017									<0.3
4/7/2017		0.03 (J)					<0.3		
4/10/2017									
4/11/2017									
4/12/2017									
6/9/2017	0.04 (J)				0.06 (J)				
6/12/2017			<0.3	0.17 (J)		0.02 (J)	0.07 (J)	0.06 (J)	
6/13/2017		0.05 (J)							0.05 (J)
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/20/2017									
7/26/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
10/2/2017	0.07 (J)			<0.3	<0.3		<0.3	<0.3	
10/3/2017		0.1 (J)				<0.3			<0.3
10/4/2017			<0.3						
10/5/2017									
10/6/2017									
10/9/2017									
3/16/2018	0.029 (J)				<0.3		<0.3	<0.3	
3/19/2018			<0.3	1.1		<0.3			
3/20/2018		<0.3							<0.3
3/21/2018									
3/22/2018									
3/23/2018									
9/14/2018				<0.3	<0.3				
9/17/2018	<0.3 (D)		<0.3			<0.3	<0.3		<0.3
9/18/2018		<0.3						<0.3	
9/19/2018									
9/20/2018									
3/19/2019					0.056 (X)		<0.3	<0.3	
3/20/2019	<0.3		<0.3	<0.3		<0.3			
3/21/2019									<0.3
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019		<0.3							







# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_AppIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-14_14Z	GWC-15R	GWC-15_15Z	GWC-7Z	GWA-4RZ (bg)
3/22/2016						
3/23/2016						
3/28/2016						
3/29/2016						
3/30/2016						
3/31/2016						
4/4/2016	0.026 (J)					
4/5/2016		1.78243 (J)	0.00288 (J)	0.011 (J)		
5/19/2016						
5/20/2016						
5/23/2016						
5/24/2016						
5/25/2016						
5/26/2016						
5/27/2016						
5/31/2016	0.0234 (J)		0.0233 (J)	0.0669 (J)	0.043 (J)	
6/1/2016		0.0148 (J)				
7/29/2016						
8/1/2016						
8/2/2016					<0.3	
8/3/2016						
8/4/2016	0.09 (J)		<0.3			
8/5/2016						
8/9/2016		0.04 (J)				
9/22/2016						
9/23/2016						
9/26/2016						
9/27/2016					<0.3	
9/28/2016						
9/29/2016	<0.3		<0.3			
9/30/2016						
11/9/2016						
11/10/2016						
11/11/2016						
11/14/2016						
11/18/2016						
11/21/2016					0.22 (J)	
11/22/2016						
11/23/2016			0.04 (J)	0.03 (J)		
11/28/2016	0.08 (J)	0.07 (J)				
1/30/2017						
1/31/2017						
2/1/2017					<0.3	
2/3/2017						
2/6/2017						
2/7/2017						
2/8/2017						
2/9/2017	0.24 (J)	0.08 (J)				
2/10/2017			<0.3	<0.3		
2/13/2017						
2/22/2017						0.3
3/30/2017						

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_AppIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-14_14Z	GWC-15R	GWC-15_15Z	GWC-7Z	GWA-4RZ (bg)
4/3/2017						
4/6/2017					0.008 (J)	
4/7/2017						0.19 (J)
4/10/2017						
4/11/2017		<0.3		<0.3		
4/12/2017	<0.3		<0.3			
6/9/2017						
6/12/2017						
6/13/2017					0.03 (J)	
6/14/2017		0.01 (J)				0.19 (J)
6/15/2017			0.06 (J)	0.02 (J)		
6/16/2017	0.04 (J)					
7/12/2017		0.05 (J)		0.04 (J)		0.18 (J)
7/14/2017					0.05 (J)	
7/20/2017						0.17 (J)
7/26/2017				0.03 (J)		
7/28/2017						0.13 (J)
8/9/2017						<0.3 (*)
8/10/2017						
8/24/2017						0.16 (J)
10/2/2017						
10/3/2017					0.06 (J)	0.17 (J)
10/4/2017						
10/5/2017		<0.3				
10/6/2017			<0.3	<0.3		
10/9/2017	<0.3					
3/16/2018						
3/19/2018						
3/20/2018					<0.3	
3/21/2018	<0.3					0.24 (J)
3/22/2018		<0.3				
3/23/2018			<0.3	<0.3		
9/14/2018						
9/17/2018						
9/18/2018					<0.3	<0.3
9/19/2018	<0.3	<0.3	<0.3	<0.3		
9/20/2018						
3/19/2019						
3/20/2019						
3/21/2019					<0.3	0.19 (X)
3/22/2019		<0.3 (D)		<0.3 (D)		
3/23/2019	<0.3					
3/25/2019			<0.3			
3/27/2019						
5/6/2019						

# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_ApplIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-3 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWC-6
3/22/2016	7.65	7.53 (D)							
3/23/2016			5.96	7.45	6.7				
3/28/2016						6.45 (D)	6.22	7.04	
3/29/2016									7.54
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/19/2016	7.6			7.5					
5/20/2016					6.36				
5/23/2016			5.73				5.86		
5/24/2016									7.39
5/25/2016		8.04				6.96		6.39	
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/29/2016	7.58		5.51	7.59	6.75				
8/1/2016						5.64	6.39	6.13	7.26
8/2/2016		7.74							
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/22/2016			5.45	7.44					
9/23/2016	7.57				6.62				
9/26/2016		7.4				6.26	5.74		7.19
9/27/2016								5.98	
9/28/2016									
9/29/2016									
9/30/2016									
11/9/2016	7.45				6.42				
11/10/2016			5.51	7.55			5.78		
11/11/2016						5.62		6.11	
11/14/2016									
11/18/2016									7.04
11/21/2016		7.4							
11/22/2016									
11/23/2016									
11/28/2016									
1/30/2017	7.64					5.49	5.88		
1/31/2017			5.42	7.56	5.66			6.08	
2/1/2017									7.34
2/3/2017		7.05							
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/22/2017									
3/30/2017	7.51		5.43		6.33				

# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_AppIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-3 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWC-6
4/3/2017				7.46		6.32		6.13	
4/6/2017									7.49
4/7/2017		7.14					5.94		
4/10/2017									
4/11/2017									
4/12/2017									
6/9/2017	7.6			7.24					
6/12/2017			5.47		6.6	6.48	5.81	6.83	
6/13/2017		7.52							7.38
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
10/2/2017	7.55			7.35	5.61	6.41	5.93		
10/3/2017		7.38						6.2	7.39
10/4/2017			5.23						
10/5/2017									
10/6/2017									
10/9/2017									
12/28/2017									
1/9/2018									
3/16/2018	7.58			7.31		5.46	5.64		
3/19/2018			5.4		6.55			6.06	7.32
3/20/2018		7.27							
3/21/2018									
3/22/2018									
3/23/2018									
9/14/2018				7.55	5.81				
9/17/2018	7.53 (D)		5.22				5.82	6.14	7.57
9/18/2018		6.95				5.35			
9/19/2018									
9/20/2018									
3/19/2019				7.2		6.01	5.93		
3/20/2019	7.64		5.22		5.71			6.29	
3/21/2019									7.21
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019		7.98							





# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_ApplIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-14_14Z	GWC-15R	GWC-15_15Z	GWC-7Z	GWA-4RZ (bg)
3/22/2016						
3/23/2016						
3/28/2016						
3/29/2016						
3/30/2016						
3/31/2016						
4/4/2016	7.16					
4/5/2016		10.61	7.71	9.23		
5/19/2016						
5/20/2016						
5/23/2016						
5/24/2016						
5/25/2016						
5/26/2016	7.23					
5/27/2016						
5/31/2016			7.66	9.52	7.98	
6/1/2016		10.32				
7/29/2016						
8/1/2016						
8/2/2016					7.64	
8/3/2016	6.96					
8/4/2016			7.8			
8/5/2016						
8/9/2016		8.23				
9/22/2016						
9/23/2016						
9/26/2016						
9/27/2016					7.18	
9/28/2016	7.6					
9/29/2016			7.46			
9/30/2016						
11/9/2016						
11/10/2016						
11/11/2016						
11/14/2016						
11/18/2016						
11/21/2016					7.49	
11/22/2016	6.71					
11/23/2016			7.62	7.88		
11/28/2016		7.29				
1/30/2017						
1/31/2017						
2/1/2017					7.2	
2/3/2017						
2/6/2017						
2/7/2017						
2/8/2017	6.84					
2/9/2017		6.91				
2/10/2017			7.51	7.72		
2/13/2017						
2/22/2017						7.38
3/30/2017						



# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 12:52 PM View: Cells1&2\_ApplIII\_Interwell  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-14_14Z	GWC-15R	GWC-15_15Z	GWC-7Z	GWA-4RZ (bg)
4/3/2017						
4/6/2017					7.42	
4/7/2017						7.35
4/10/2017	7.13					
4/11/2017		6.68		7.83		
4/12/2017			7.54			
6/9/2017						
6/12/2017						
6/13/2017					7.25	
6/14/2017		6.84				7.3
6/15/2017	7.1		7.71	7.86		
6/16/2017						
7/12/2017		6.54		7.73		7.39
7/14/2017					7.5	
7/20/2017						7.44
7/26/2017				7.71		
7/27/2017						
7/28/2017						7.5
8/9/2017						7.52
8/10/2017						
8/24/2017						7.5
10/2/2017						
10/3/2017					7.5	7.51
10/4/2017	6.25					
10/5/2017		6.93				
10/6/2017			7.58	7.74		
10/9/2017						
12/28/2017						7.32 (Y)
1/9/2018						
3/16/2018						
3/19/2018						
3/20/2018					6.76	
3/21/2018	7.07					7.3
3/22/2018		6.93				
3/23/2018			7.34	7.89		
9/14/2018						
9/17/2018						
9/18/2018	6.9				7.26	7.26
9/19/2018		6.88	7.66	7.77		
9/20/2018						
3/19/2019						
3/20/2019						
3/21/2019					7.3	7.28
3/22/2019		6.27 (D)		7.55 (D)		
3/23/2019	6.27					
3/25/2019			7.64			
3/27/2019						
5/6/2019						

# Intrawell Prediction Limits AppIII - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 12:59 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
<b>Sulfate (mg/L)</b>	<b>GWC-15R</b>	<b>11</b>	<b>n/a</b>	<b>3/25/2019</b>	<b>11.2</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3

# Intrawell Prediction Limits AppIII - All Results

Plant Bowen    Client: Southern Company    Data: Bowen 1&2 CCR    Printed 8/28/2019, 12:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Calcium (mg/L)	GWC-10	43	n/a	3/22/2019	15.4	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-10R	47	n/a	3/22/2019	37.2	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-11	27	n/a	3/23/2019	7.8	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-11R	37	n/a	3/23/2019	28.3	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-12	10	n/a	3/23/2019	7.5	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-13	75	n/a	3/23/2019	29.6	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-14_14Z	48	n/a	3/22/2019	16.7	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-15R	64	n/a	3/25/2019	35.6	No	8	0	sqrt(x)	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-15_15Z	34	n/a	3/22/2019	21.3	No	8	0	x^2	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-5	8.3	n/a	3/20/2019	2.7	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-6	16	n/a	3/21/2019	14.9	No	7	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-6RZ	15	n/a	3/21/2019	8.3	No	7	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-7Z	27	n/a	3/21/2019	25.2	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-8RR	26	n/a	3/27/2019	20.6	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-8Z	27	n/a	5/6/2019	20	No	7	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-9	37	n/a	3/21/2019	4.8	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-13R_13RZ	70	n/a	3/22/2019	40.5	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-10	2.3	n/a	3/22/2019	1.6	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-10R	2.1	n/a	3/22/2019	1.3	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-11	4	n/a	3/23/2019	2.1	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-11R	5	n/a	3/23/2019	2.1	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-12	0.83	n/a	3/23/2019	0.3	No	8	12.5	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-13	200	n/a	3/23/2019	15.5	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-14_14Z	6.2	n/a	3/22/2019	6.2	No	7	0	No	0.000...	Param 1 of 3
<b>Sulfate (mg/L)</b>	<b>GWC-15R</b>	<b>11</b>	<b>n/a</b>	<b>3/25/2019</b>	<b>11.2</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Sulfate (mg/L)	GWC-15_15Z	15	n/a	3/22/2019	2.1	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-5	2.3	n/a	3/20/2019	1.3	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-6	4.2	n/a	3/21/2019	2.7	No	8	12.5	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-6RZ	3.5	n/a	3/21/2019	1.7	No	8	12.5	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-7Z	2.2	n/a	3/21/2019	1.9	No	8	12.5	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-8RR	2.1	n/a	3/27/2019	1.5	No	8	12.5	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-8Z	4.1	n/a	5/6/2019	2.1	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-9	5	n/a	3/21/2019	2.3	No	8	12.5	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-13R_13RZ	86	n/a	3/22/2019	57.9	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-10	190	n/a	3/22/2019	95	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-10R	220	n/a	3/22/2019	140	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-11	160	n/a	3/23/2019	64	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-11R	170	n/a	3/23/2019	148	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-12	120	n/a	3/23/2019	58	No	8	0	ln(x)	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-13	440	n/a	3/23/2019	135	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-14_14Z	320	n/a	3/22/2019	104	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-15R	260	n/a	3/25/2019	167	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-15_15Z	250	n/a	3/22/2019	116	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-5	140	n/a	3/20/2019	66	No	8	12.5	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-6	180	n/a	3/21/2019	80	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-6RZ	180	n/a	3/21/2019	60	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-7Z	180	n/a	3/21/2019	107	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-8RR	130	n/a	3/27/2019	101	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-8Z	170	n/a	5/6/2019	118	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-9	210	n/a	3/21/2019	39	No	8	0	No	0.000...	Param 1 of 3

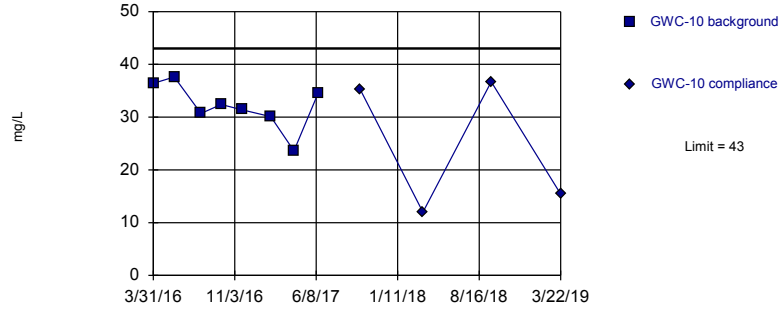
# Intrawell Prediction Limits AppIII - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 12:59 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Total Dissolved Solids (mg/l)	GWC-13R_13RZ 440		n/a	3/22/2019	249	No	8	0	No	0.000...	Param 1 of 3

Within Limit

Prediction Limit  
Intrawell Parametric

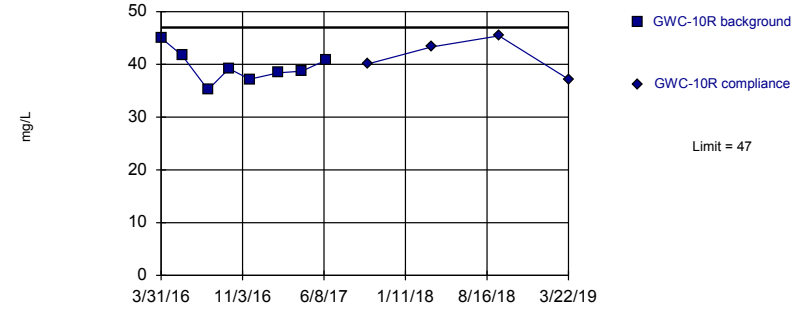


Background Data Summary: Mean=32.1, Std. Dev.=4.372, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.938, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:54 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

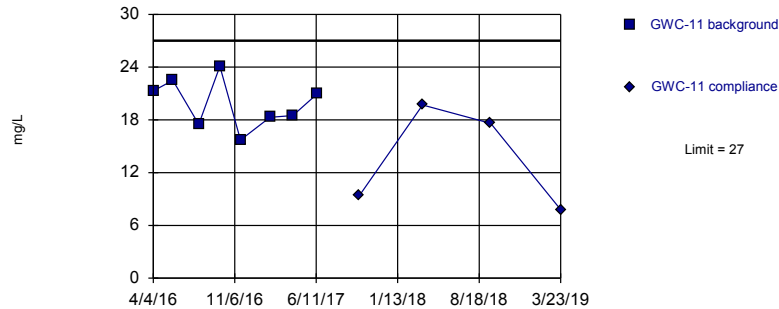


Background Data Summary: Mean=39.53, Std. Dev.=2.988, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9738, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:54 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

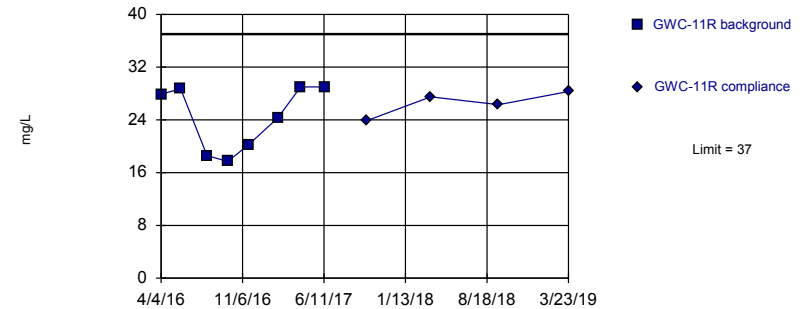


Background Data Summary: Mean=19.86, Std. Dev.=2.815, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9681, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:54 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=24.43, Std. Dev.=4.917, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8246, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:54 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
3/31/2016	36.4	
5/26/2016	37.6	
8/5/2016	30.7	
9/28/2016	32.4	
11/22/2016	31.4	
2/7/2017	30.1	
4/10/2017	23.6	
6/14/2017	34.6	
10/4/2017		35.2
3/20/2018		12 (J)
9/18/2018		36.7
3/22/2019		15.4 (X)

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
3/31/2016	45	
5/26/2016	41.7	
8/3/2016	35.2	
9/28/2016	39.2	
11/22/2016	37.2	
2/7/2017	38.4	
4/10/2017	38.7	
6/14/2017	40.8	
10/4/2017		40.1
3/21/2018		43.3
9/18/2018		45.4
3/22/2019		37.2

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
4/4/2016	21.3	
5/26/2016	22.5	
8/3/2016	17.5	
9/28/2016	24.1	
11/22/2016	15.7	
2/8/2017	18.3	
4/10/2017	18.5	
6/15/2017	21	
10/4/2017		9.4
3/21/2018		19.7 (J)
9/18/2018		17.6 (J)
3/23/2019		7.8



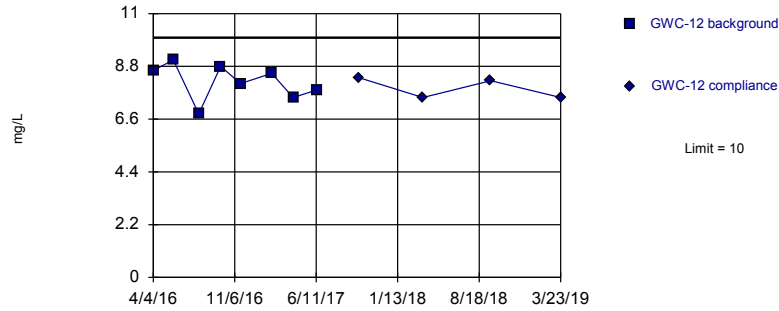
# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
4/4/2016	27.9	
5/26/2016	28.7	
8/4/2016	18.6	
9/28/2016	17.7	
11/22/2016	20.2	
2/8/2017	24.3	
4/10/2017	29	
6/15/2017	29	
10/4/2017		23.9
3/22/2018		27.5
9/18/2018		26.3
3/23/2019		28.3

Within Limit

Prediction Limit  
Intrawell Parametric

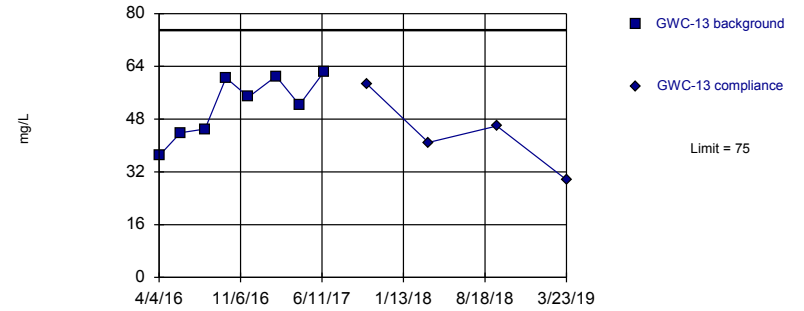


Background Data Summary: Mean=8.154, Std. Dev.=0.7497, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.955, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:54 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

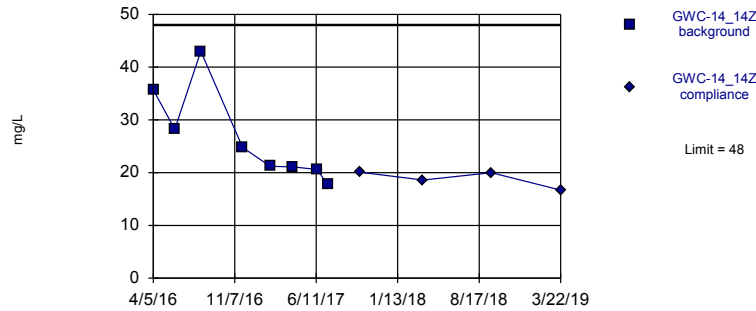


Background Data Summary: Mean=52.08, Std. Dev.=9.33, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9156, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:54 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

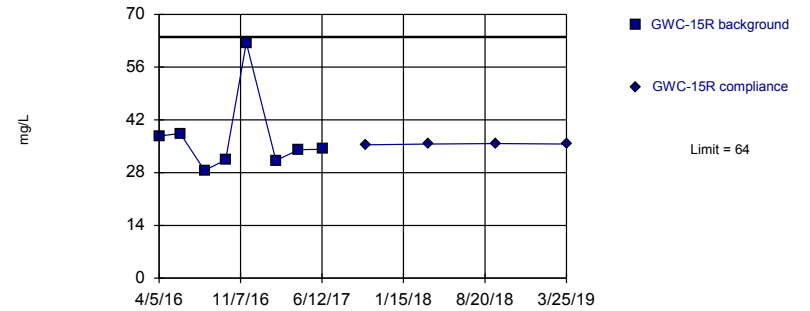


Background Data Summary: Mean=26.54, Std. Dev.=8.719, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.871, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=6.058, Std. Dev.=0.7987, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7543, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
4/4/2016	8.63	
5/27/2016	9.07	
8/3/2016	6.82	
9/30/2016	8.8	
11/22/2016	8.08	
2/13/2017	8.51	
4/11/2017	7.5	
6/14/2017	7.82	
10/4/2017		8.32
3/22/2018		7.5
9/18/2018		8.2
3/23/2019		7.5

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
4/4/2016	36.9	
5/31/2016	43.9	
8/4/2016	45	
9/29/2016	60.5	
11/28/2016	54.7	
2/9/2017	61	
4/12/2017	52.3	
6/16/2017	62.3	
10/9/2017		58.6
3/21/2018		40.9
9/19/2018		45.9
3/23/2019		29.6

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
4/5/2016	35.7	
6/1/2016	28.2	
8/9/2016	43	
11/28/2016	24.8	
2/9/2017	21.2	
4/11/2017	21.1	
6/14/2017	20.6	
7/12/2017	17.7	
10/5/2017		20.1
3/22/2018		18.6 (J)
9/19/2018		20 (J)
3/22/2019		16.7 (XD)

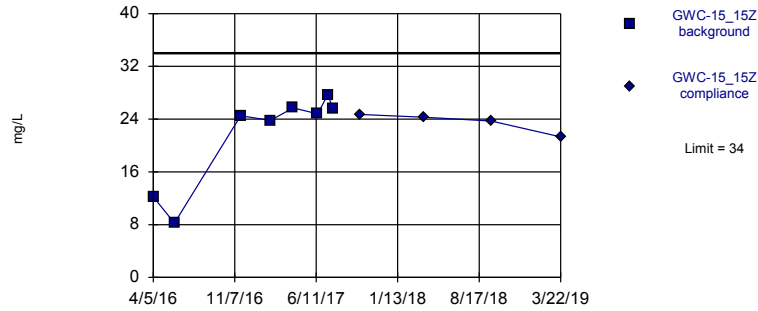
# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
4/5/2016	37.7	
5/31/2016	38.4	
8/4/2016	28.6	
9/29/2016	31.4	
11/23/2016	62.5	
2/10/2017	31.2	
4/12/2017	34.1	
6/15/2017	34.2	
10/6/2017		35.4
3/23/2018		35.6
9/19/2018		35.7
3/25/2019		35.6

Within Limit

Prediction Limit  
Intrawell Parametric

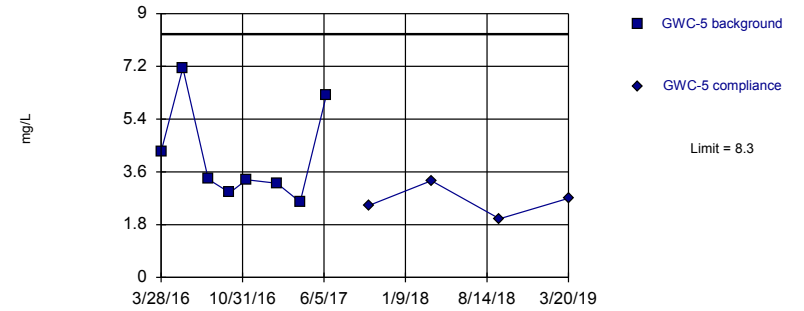


Background Data Summary (based on square transformation): Mean=510.2, Std. Dev.=255.9, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7895, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

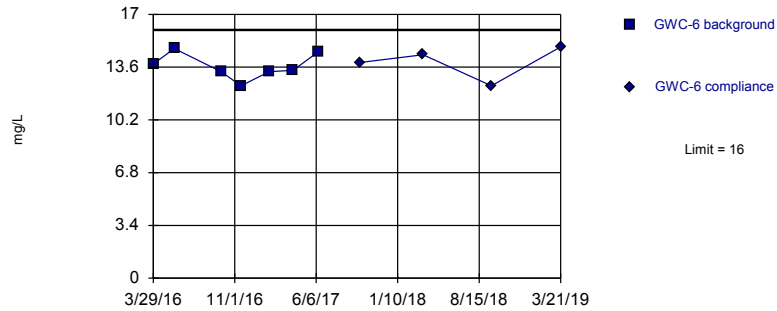


Background Data Summary: Mean=4.126, Std. Dev.=1.672, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8232, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

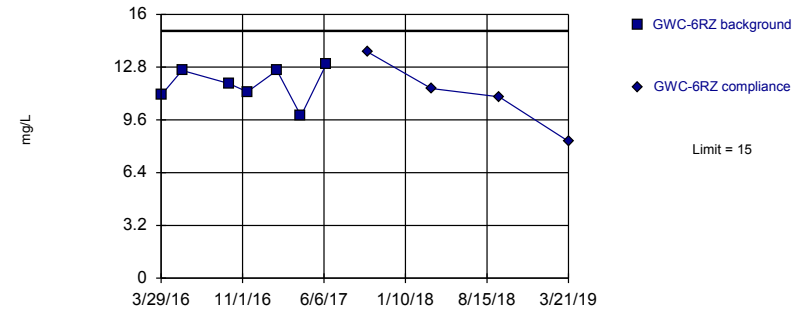


Background Data Summary: Mean=13.66, Std. Dev.=0.8284, n=7. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9331, critical = 0.73. Kappa = 2.789 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=11.75, Std. Dev.=1.102, n=7. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9328, critical = 0.73. Kappa = 2.789 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
4/5/2016	12.2	
5/31/2016	8.24	
11/23/2016	24.5	
2/10/2017	23.8	
4/11/2017	25.7	
6/15/2017	24.8	
7/12/2017	27.7	
7/26/2017	25.6	
10/6/2017		24.7
3/23/2018		24.3 (J)
9/19/2018		23.7 (J)
3/22/2019		21.3 (XD)



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
3/28/2016	4.29	
5/25/2016	7.15	
8/1/2016	3.35	
9/27/2016	2.89	
11/11/2016	3.33	
1/31/2017	3.21	
4/3/2017	2.57	
6/12/2017	6.22	
10/3/2017		2.45
3/19/2018		3.3
9/17/2018		2
3/20/2019		2.7

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
3/29/2016	13.8	
5/24/2016	14.8	
9/26/2016	13.3	
11/18/2016	12.4	
2/1/2017	13.3	
4/6/2017	13.4	
6/13/2017	14.6	
10/3/2017		13.9
3/19/2018		14.4 (J)
9/17/2018		12.4 (J)
3/21/2019		14.9 (X)

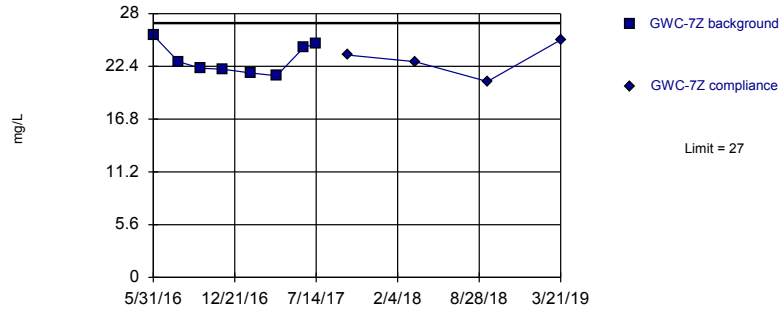
# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
3/29/2016	11.1	
5/24/2016	12.6	
9/26/2016	11.8	
11/14/2016	11.3	
2/1/2017	12.6	
4/6/2017	9.84	
6/13/2017	13	
10/3/2017		13.7
3/20/2018		11.5 (J)
9/17/2018		11 (J)
3/21/2019		8.3

Within Limit

Prediction Limit  
Intrawell Parametric

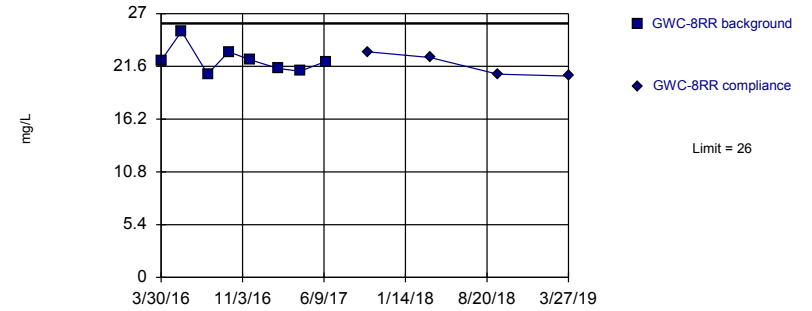


Background Data Summary: Mean=23.15, Std. Dev.=1.604, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8983, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

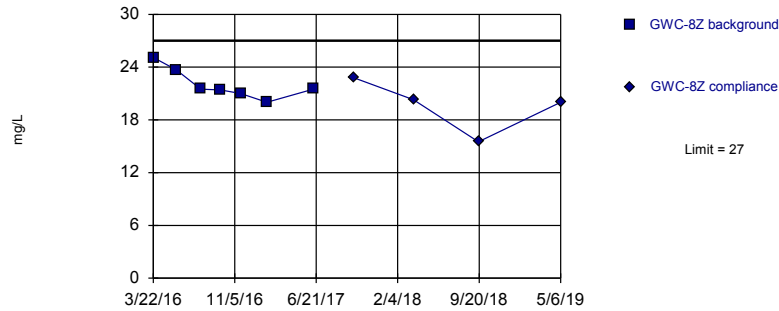


Background Data Summary: Mean=22.28, Std. Dev.=1.394, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8797, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

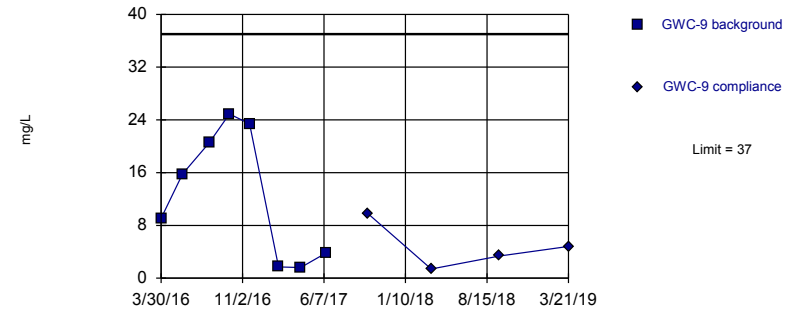


Background Data Summary: Mean=22.03, Std. Dev.=1.749, n=7. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8766, critical = 0.73. Kappa = 2.789 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=12.6, Std. Dev.=9.783, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8779, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	25.7	
8/2/2016	22.9	
9/27/2016	22.2	
11/21/2016	22.1	
2/1/2017	21.7	
4/6/2017	21.4	
6/13/2017	24.4	
7/14/2017	24.8	
10/3/2017		23.6
3/20/2018		22.9 (J)
9/18/2018		20.8 (J)
3/21/2019		25.2

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
3/30/2016	22.2	
5/24/2016	25.2	
8/2/2016	20.8	
9/27/2016	23.1	
11/22/2016	22.3	
2/6/2017	21.4	
4/6/2017	21.1	
6/14/2017	22.1	
10/4/2017		23.1
3/21/2018		22.5 (J)
9/18/2018		20.8 (J)
3/27/2019		20.6 (X)

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
3/22/2016	25.1	
5/25/2016	23.7	
8/2/2016	21.5	
9/26/2016	21.4	
11/21/2016	21	
2/3/2017	20	
6/13/2017	21.5	
10/3/2017		22.8
3/20/2018		20.3 (J)
9/18/2018		15.5 (J)
5/6/2019		20 (X)

# Prediction Limit

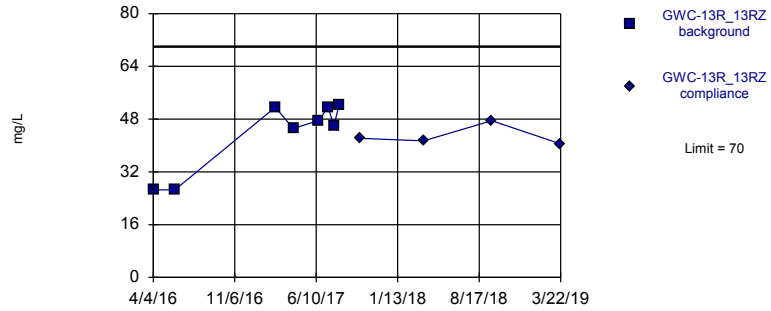
Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
3/30/2016	9.07	
5/26/2016	15.8	
8/5/2016	20.5	
9/28/2016	24.9	
11/21/2016	23.4	
2/6/2017	1.7	
4/6/2017	1.6	
6/13/2017	3.82	
10/3/2017		9.77
3/20/2018		1.4
9/18/2018		3.35 (D)
3/21/2019		4.8



Within Limit

Prediction Limit  
Intrawell Parametric

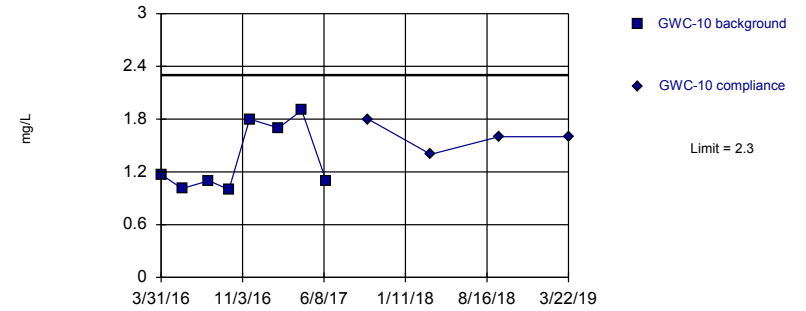


Background Data Summary: Mean=43.4, Std. Dev.=10.73, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7541, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

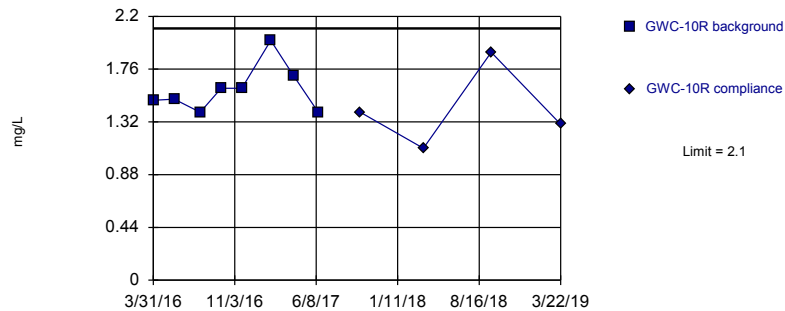


Background Data Summary: Mean=1.348, Std. Dev.=0.3823, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7974, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

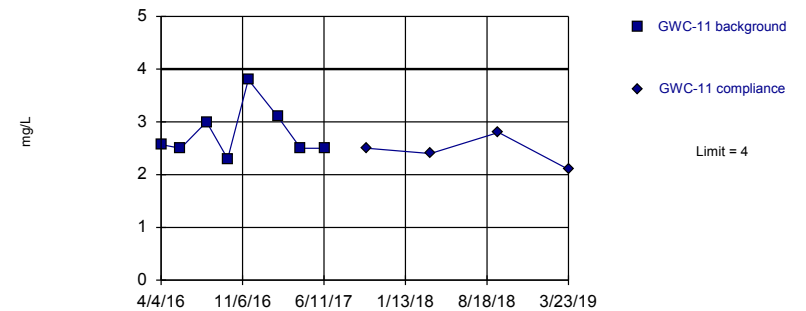


Background Data Summary: Mean=1.589, Std. Dev.=0.1953, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8645, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.784, Std. Dev.=0.4929, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8308, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
4/4/2016	26.5	
6/1/2016	26.6	
2/22/2017	51.6	
4/11/2017	45.2	
6/16/2017	47.5	
7/12/2017	51.6	
7/28/2017	46	
8/10/2017	52.2	
10/6/2017		42.2
3/23/2018		41.4
9/20/2018		47.5
3/22/2019		40.5 (D)

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
3/31/2016	1.17	
5/26/2016	1.01	
8/5/2016	1.1	
9/28/2016	1	
11/22/2016	1.8	
2/7/2017	1.7	
4/10/2017	1.9	
6/14/2017	1.1	
10/4/2017		1.8
3/20/2018		1.4
9/18/2018		1.6
3/22/2019		1.6

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
3/31/2016	1.5	
5/26/2016	1.51	
8/3/2016	1.4	
9/28/2016	1.6	
11/22/2016	1.6	
2/7/2017	2	
4/10/2017	1.7	
6/14/2017	1.4	
10/4/2017		1.4
3/21/2018		1.1
9/18/2018		1.9
3/22/2019		1.3

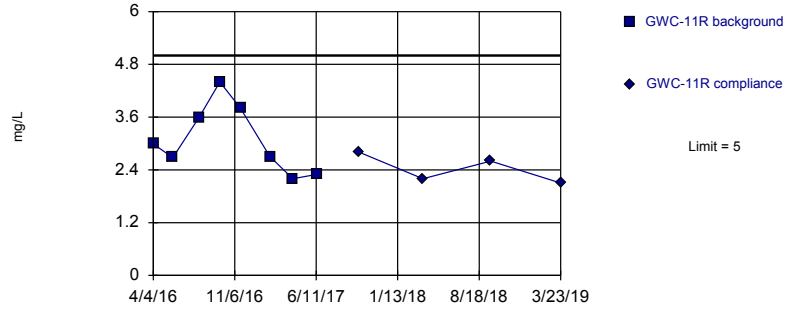
# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
4/4/2016	2.57	
5/26/2016	2.5	
8/3/2016	3	
9/28/2016	2.3	
11/22/2016	3.8	
2/8/2017	3.1	
4/10/2017	2.5	
6/15/2017	2.5	
10/4/2017		2.5
3/21/2018		2.4
9/18/2018		2.8
3/23/2019		2.1

Within Limit

Prediction Limit  
Intrawell Parametric

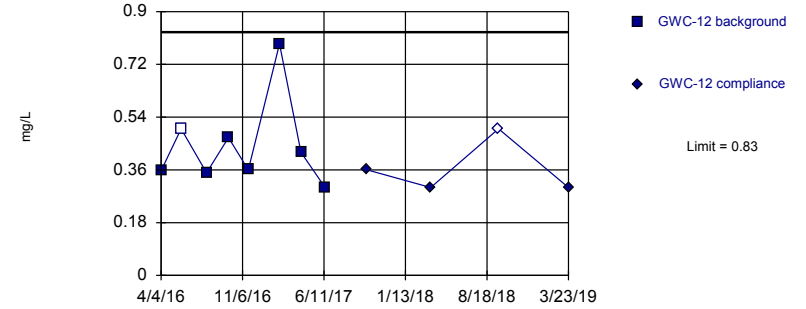


Background Data Summary: Mean=3.084, Std. Dev.=0.777, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9301, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:55 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

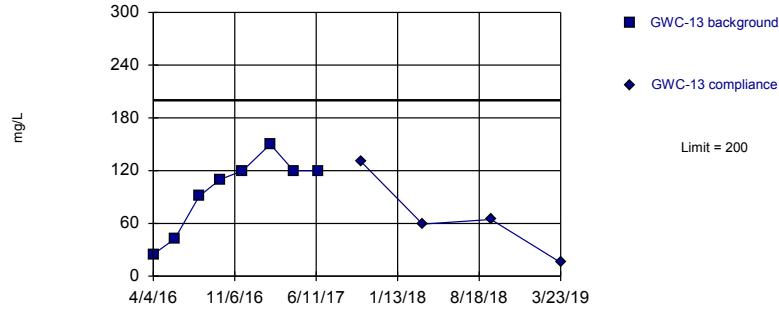


Background Data Summary: Mean=0.4434, Std. Dev.=0.155, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8006, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

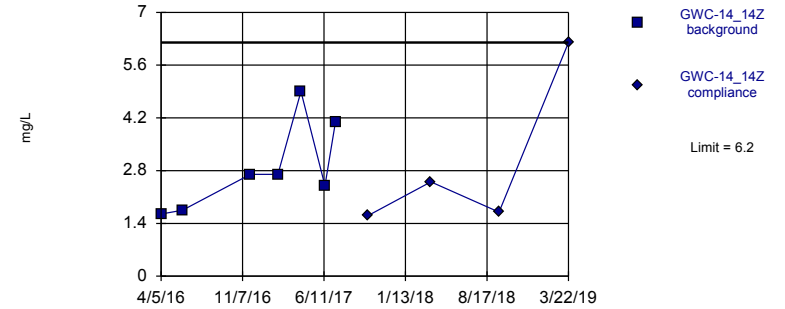


Background Data Summary: Mean=97.29, Std. Dev.=42.73, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8774, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.886, Std. Dev.=1.201, n=7. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8931, critical = 0.73. Kappa = 2.789 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
4/4/2016	2.99	
5/26/2016	2.68	
8/4/2016	3.6	
9/28/2016	4.4	
11/22/2016	3.8	
2/8/2017	2.7	
4/10/2017	2.2	
6/15/2017	2.3	
10/4/2017		2.8
3/22/2018		2.2
9/18/2018		2.6
3/23/2019		2.1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
4/4/2016	0.3574 (J)	
5/27/2016	<1	
8/3/2016	0.35 (J)	
9/30/2016	0.47 (J)	
11/22/2016	0.36 (J)	
2/13/2017	0.79 (J)	
4/11/2017	0.42 (J)	
6/14/2017	0.3 (J)	
10/4/2017		0.36 (J)
3/22/2018		0.3 (J)
9/18/2018		<1
3/23/2019		0.3 (X)



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_ApplIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
4/4/2016	24.8	
5/31/2016	42.5	
8/4/2016	91	
9/29/2016	110	
11/28/2016	120	
2/9/2017	150	
4/12/2017	120	
6/16/2017	120	
10/9/2017		130
3/21/2018		59.1
9/19/2018		64.5
3/23/2019		15.5 (X)

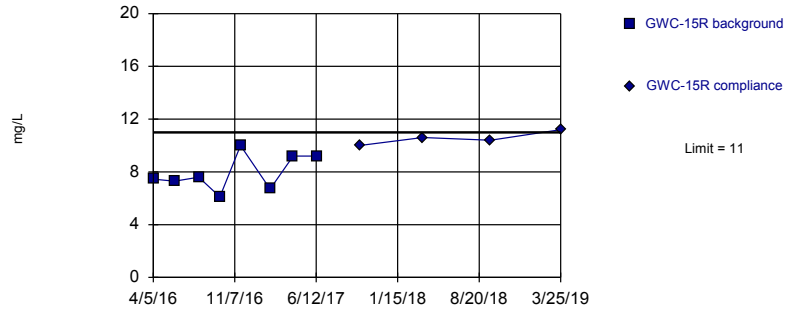
# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
4/5/2016	1.65	
6/1/2016	1.75	
11/28/2016	2.7	
2/9/2017	2.7	
4/11/2017	4.9	
6/14/2017	2.4	
7/12/2017	4.1	
10/5/2017		1.6
3/22/2018		2.5
9/19/2018		1.7
3/22/2019		6.2 (D)

Exceeds Limit

Prediction Limit  
Intrawell Parametric

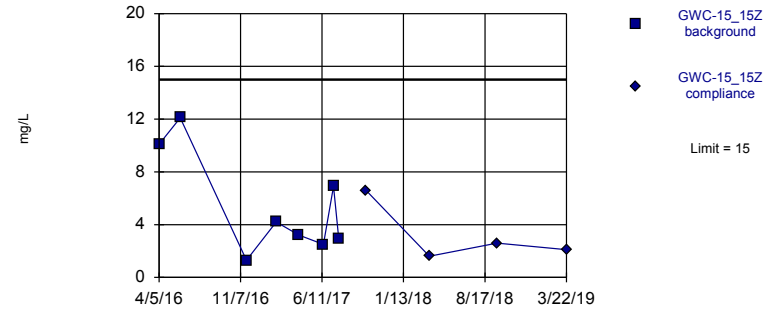


Background Data Summary: Mean=7.943, Std. Dev.=1.369, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9297, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

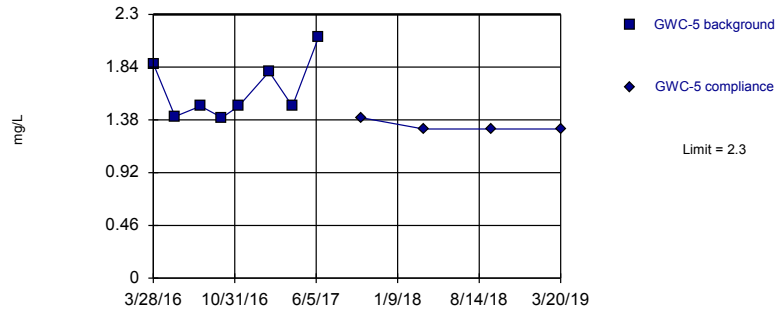


Background Data Summary: Mean=5.4, Std. Dev.=3.909, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8784, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

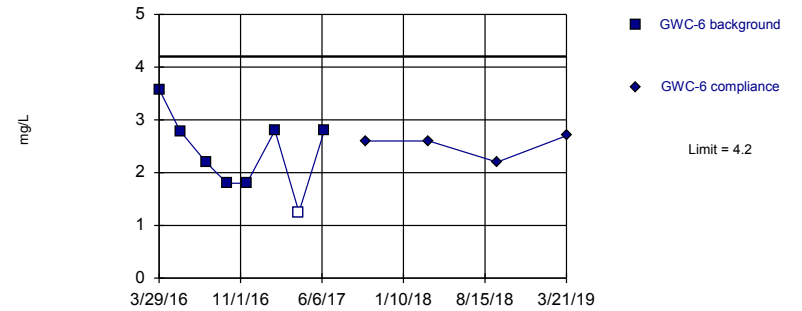


Background Data Summary: Mean=1.635, Std. Dev.=0.2561, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8411, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.378, Std. Dev.=0.7505, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9485, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
4/5/2016	7.45	
5/31/2016	7.29	
8/4/2016	7.6	
9/29/2016	6.1	
11/23/2016	10	
2/10/2017	6.7	
4/12/2017	9.2	
6/15/2017	9.2	
10/6/2017		10
3/23/2018		10.6
9/19/2018		10.4
3/25/2019		11.2

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
4/5/2016	10.1	
5/31/2016	12.1	
11/23/2016	1.3	
2/10/2017	4.2	
4/11/2017	3.2	
6/15/2017	2.5	
7/12/2017	6.9	
7/26/2017	2.9	
10/6/2017		6.6
3/23/2018		1.6
9/19/2018		2.6
3/22/2019		2.1 (D)

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
3/28/2016	1.87	
5/25/2016	1.41	
8/1/2016	1.5	
9/27/2016	1.4	
11/11/2016	1.5	
1/31/2017	1.8	
4/3/2017	1.5	
6/12/2017	2.1	
10/3/2017		1.4
3/19/2018		1.3
9/17/2018		1.3
3/20/2019		1.3

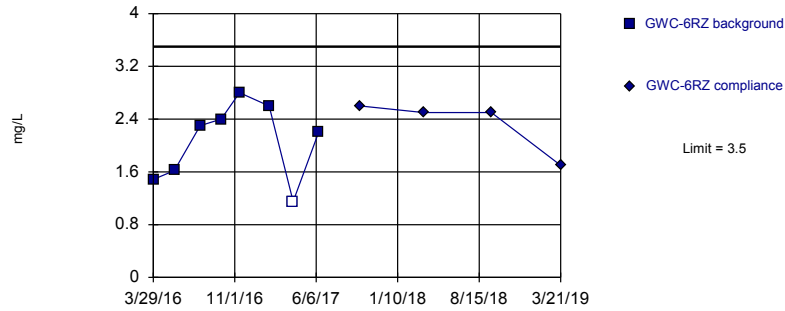
# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_ApplIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
3/29/2016	3.5801	
5/24/2016	2.79	
8/1/2016	2.2	
9/26/2016	1.8	
11/18/2016	1.8	
2/1/2017	2.8	
4/6/2017	<2.5 (*)	
6/13/2017	2.8	
10/3/2017		2.6
3/19/2018		2.6
9/17/2018		2.2
3/21/2019		2.7

Within Limit

Prediction Limit  
Intrawell Parametric

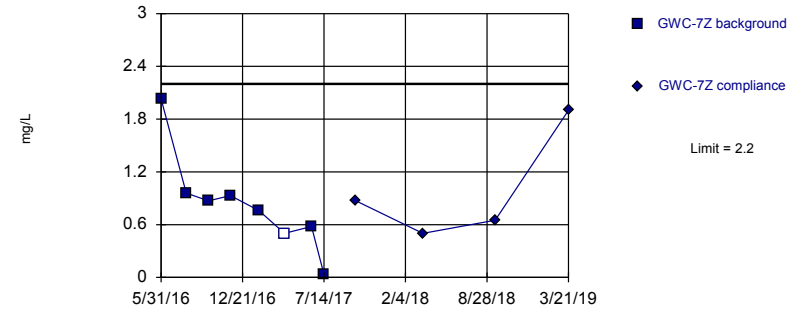


Background Data Summary: Mean=2.07, Std. Dev.=0.5834, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9351, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

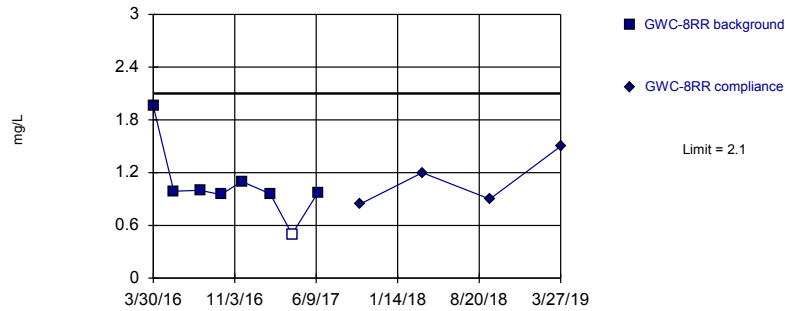


Background Data Summary: Mean=0.8338, Std. Dev.=0.5693, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8851, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

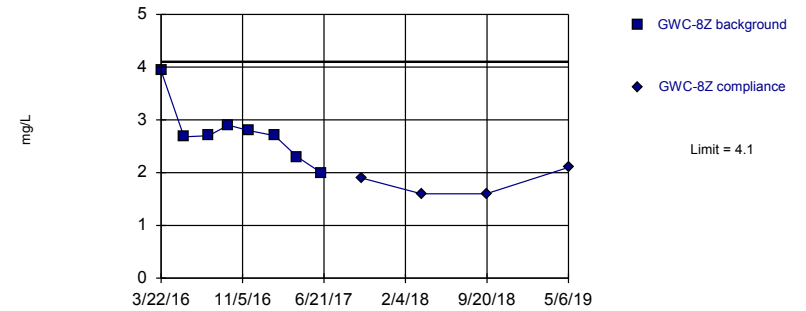


Background Data Summary: Mean=1.053, Std. Dev.=0.4059, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.759, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.752, Std. Dev.=0.5603, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8668, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_ApplIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
3/29/2016	1.4863	
5/24/2016	1.62	
8/1/2016	2.3	
9/26/2016	2.4	
11/14/2016	2.8	
2/1/2017	2.6	
4/6/2017	<2.3 (*)	
6/13/2017	2.2	
10/3/2017		2.6
3/20/2018		2.5
9/17/2018		2.5
3/21/2019		1.7

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_ApplIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	2.03	
8/2/2016	0.96 (J)	
9/27/2016	0.87 (J)	
11/21/2016	0.93 (J)	
2/1/2017	0.76 (J)	
4/6/2017	<1 (*)	
6/13/2017	0.58 (J)	
7/14/2017	0.04 (J)	
10/3/2017		0.87 (J)
3/20/2018		0.5 (J)
9/18/2018		0.65 (J)
3/21/2019		1.9

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_ApplIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
3/30/2016	1.9542	
5/24/2016	0.989 (J)	
8/2/2016	1	
9/27/2016	0.95 (J)	
11/22/2016	1.1	
2/6/2017	0.96 (J)	
4/6/2017	<1 (*)	
6/14/2017	0.97 (J)	
10/4/2017		0.84 (J)
3/21/2018		1.2
9/18/2018		0.9 (J)
3/27/2019		1.5

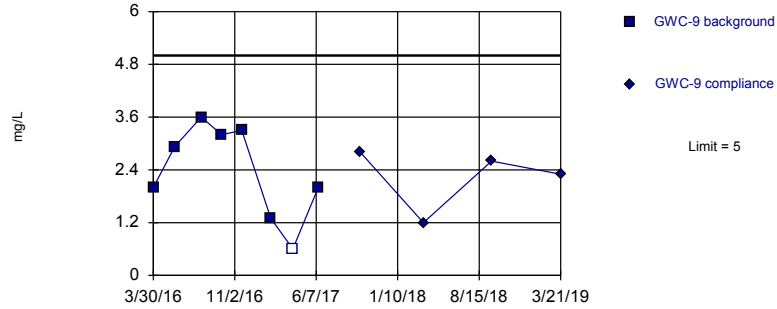
# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_ApplIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
3/22/2016	3.9321	
5/25/2016	2.68	
8/2/2016	2.7	
9/26/2016	2.9	
11/21/2016	2.8	
2/3/2017	2.7	
4/7/2017	2.3	
6/13/2017	2	
10/3/2017		1.9
3/20/2018		1.6
9/18/2018		1.6
5/6/2019		2.1

Within Limit

Prediction Limit  
Intrawell Parametric

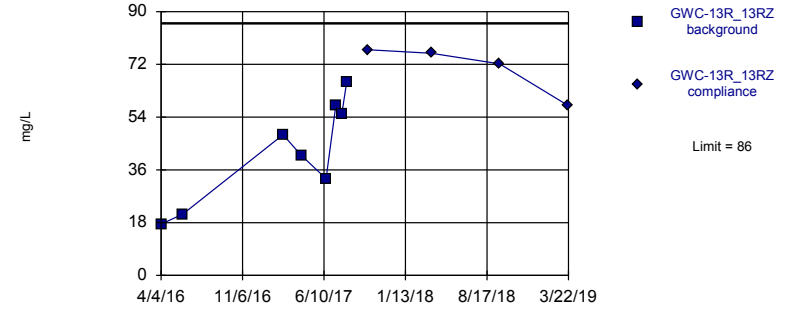


Background Data Summary: Mean=2.366, Std. Dev.=1.064, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9257, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

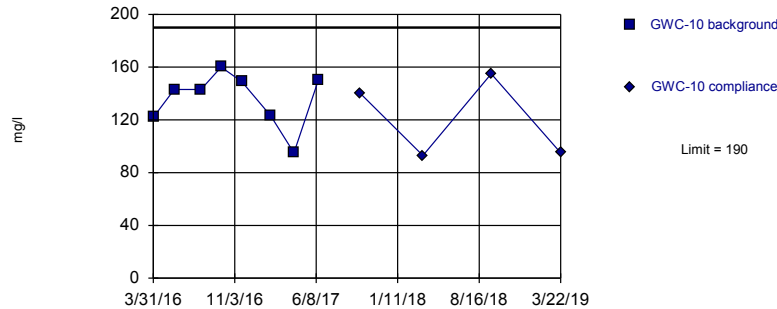


Background Data Summary: Mean=42.43, Std. Dev.=17.58, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9495, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

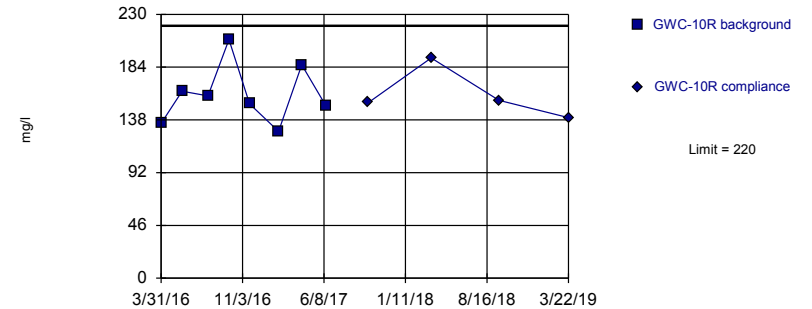


Background Data Summary: Mean=135.6, Std. Dev.=20.99, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9016, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=160.1, Std. Dev.=26.19, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9405, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_ApplIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
3/30/2016	2	
5/26/2016	2.93	
8/5/2016	3.6	
9/28/2016	3.2	
11/21/2016	3.3	
2/6/2017	1.3	
4/6/2017	<1.2 (*)	
6/13/2017	2	
10/3/2017		2.8
3/20/2018		1.2
9/18/2018		2.6
3/21/2019		2.3

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
4/4/2016	17.5	
6/1/2016	20.9	
2/22/2017	48	
4/11/2017	41	
6/16/2017	33	
7/12/2017	58	
7/28/2017	55	
8/10/2017	66	
10/6/2017		77
3/23/2018		75.8
9/20/2018		72.2
3/22/2019		57.9 (D)

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
3/31/2016	122	
5/26/2016	143	
8/5/2016	143	
9/28/2016	160	
11/22/2016	149	
2/7/2017	123	
4/10/2017	95	
6/14/2017	150	
10/4/2017		140
3/20/2018		93
9/18/2018		155
3/22/2019		95



# Prediction Limit

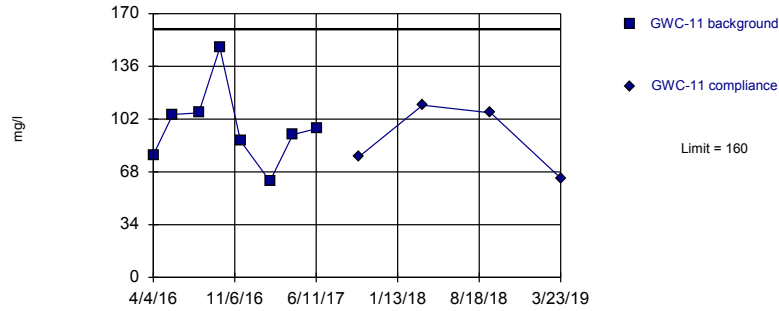
Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
3/31/2016	135	
5/26/2016	163	
8/3/2016	159	
9/28/2016	208	
11/22/2016	152	
2/7/2017	128	
4/10/2017	186	
6/14/2017	150	
10/4/2017		153
3/21/2018		192
9/18/2018		155
3/22/2019		140

Within Limit

Prediction Limit  
Intrawell Parametric

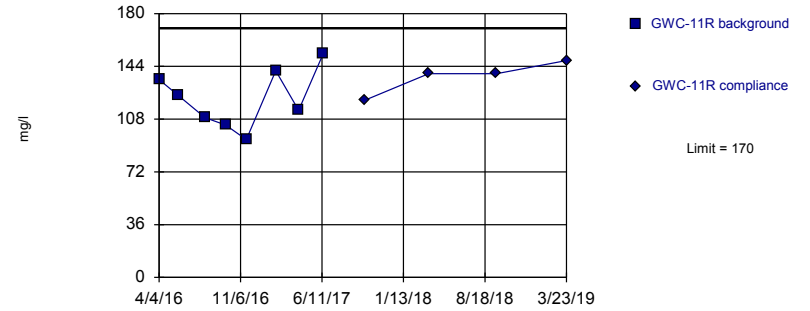


Background Data Summary: Mean=97, Std. Dev.=25.08, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.924, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

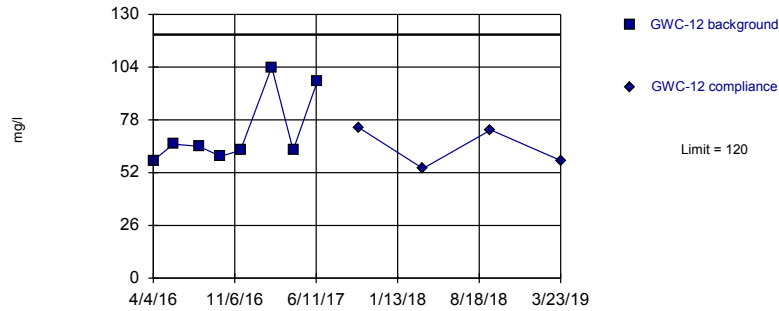


Background Data Summary: Mean=121.8, Std. Dev.=20.13, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9723, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

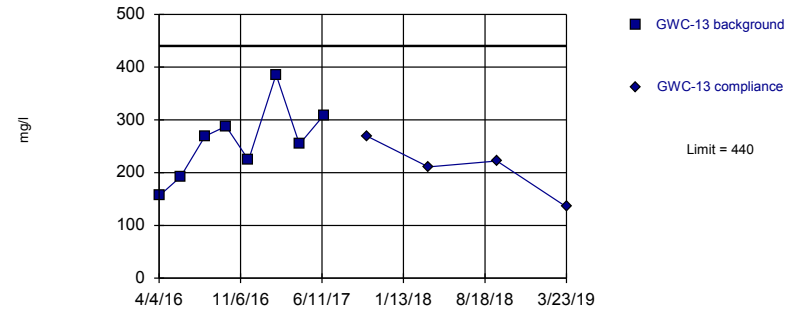


Background Data Summary (based on natural log transformation): Mean=4.253, Std. Dev.=0.2246, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7515, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:56 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=259.8, Std. Dev.=71.63, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9864, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:57 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
4/4/2016	79	
5/26/2016	105	
8/3/2016	106	
9/28/2016	148	
11/22/2016	88	
2/8/2017	62	
4/10/2017	92	
6/15/2017	96	
10/4/2017		78
3/21/2018		111
9/18/2018		106
3/23/2019		64

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
4/4/2016	135	
5/26/2016	124	
8/4/2016	109	
9/28/2016	104	
11/22/2016	94	
2/8/2017	141 (J)	
4/10/2017	114	
6/15/2017	153	
10/4/2017		121
3/22/2018		139
9/18/2018		139
3/23/2019		148

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
4/4/2016	58	
5/27/2016	66	
8/3/2016	65	
9/30/2016	60	
11/22/2016	63	
2/13/2017	104 (J)	
4/11/2017	63	
6/14/2017	97	
10/4/2017		74
3/22/2018		54
9/18/2018		73
3/23/2019		58

# Prediction Limit

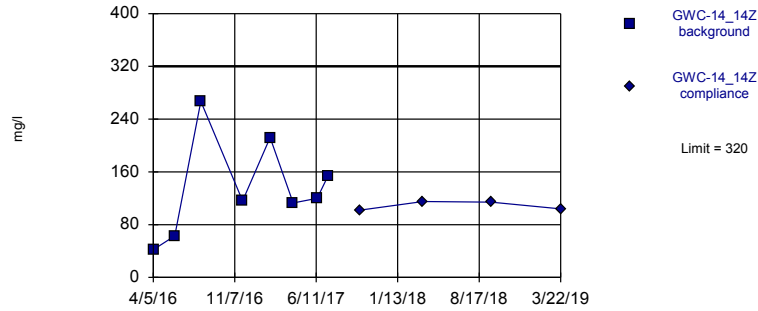
Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
4/4/2016	156	
5/31/2016	192	
8/4/2016	269	
9/29/2016	288	
11/28/2016	224	
2/9/2017	386	
4/12/2017	254	
6/16/2017	309	
10/9/2017		269
3/21/2018		211
9/19/2018		222
3/23/2019		135

Within Limit

Prediction Limit  
Intrawell Parametric

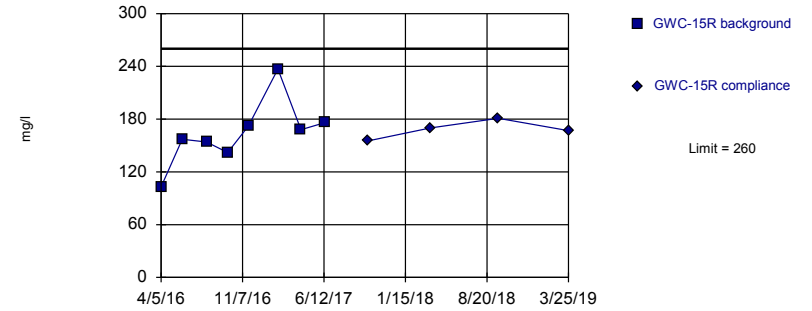


Background Data Summary: Mean=135.8, Std. Dev.=74.23, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9409, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:57 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

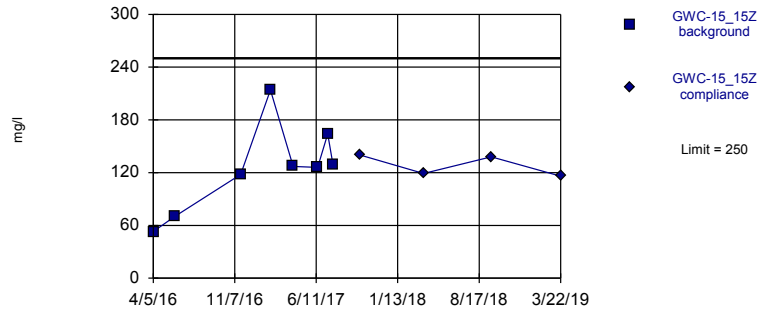


Background Data Summary: Mean=163.6, Std. Dev.=37.62, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9228, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:57 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

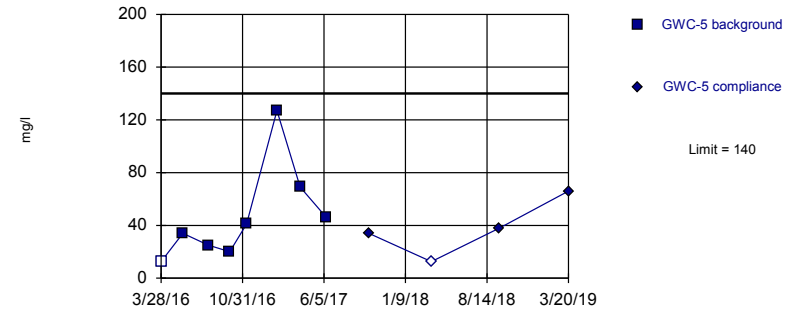


Background Data Summary: Mean=125.1, Std. Dev.=50.31, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9413, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:57 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=46.81, Std. Dev.=36.83, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8316, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:57 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
4/5/2016	42	
6/1/2016	63	
8/9/2016	267	
11/28/2016	116	
2/9/2017	212 (J)	
4/11/2017	113	
6/14/2017	120	
7/12/2017	153	
10/5/2017		102
3/22/2018		115
9/19/2018		114
3/22/2019		104 (D)



# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
4/5/2016	103	
5/31/2016	157	
8/4/2016	154	
9/29/2016	142	
11/23/2016	172	
2/10/2017	237	
4/12/2017	168	
6/15/2017	176	
10/6/2017		155
3/23/2018		170
9/19/2018		181
3/25/2019		167

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
4/5/2016	53	
5/31/2016	70	
11/23/2016	118	
2/10/2017	214	
4/11/2017	127	
6/15/2017	126	
7/12/2017	164	
7/26/2017	129	
10/6/2017		140
3/23/2018		119
9/19/2018		138
3/22/2019		116 (D)

# Prediction Limit

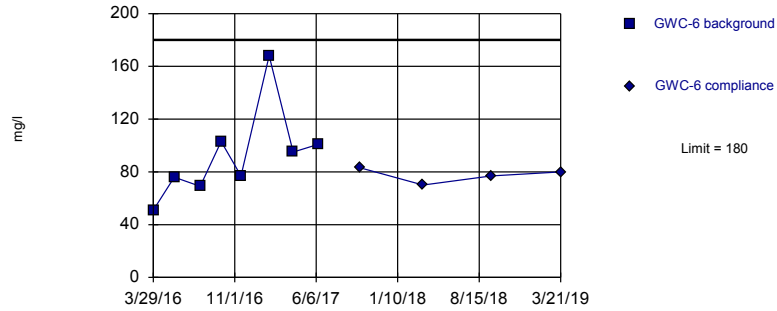
Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
3/28/2016	<25	
5/25/2016	34	
8/1/2016	25	
9/27/2016	20 (J)	
11/11/2016	41	
1/31/2017	127	
4/3/2017	69	
6/12/2017	46	
10/3/2017		34
3/19/2018		<25
9/17/2018		38
3/20/2019		66

Within Limit

Prediction Limit  
Intrawell Parametric

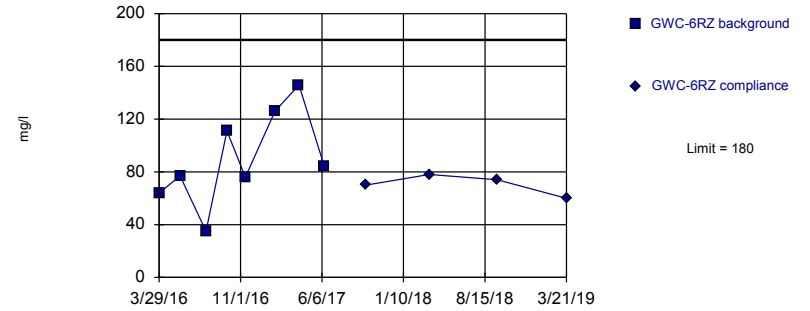


Background Data Summary: Mean=92.5, Std. Dev.=35.21, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8711, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:57 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

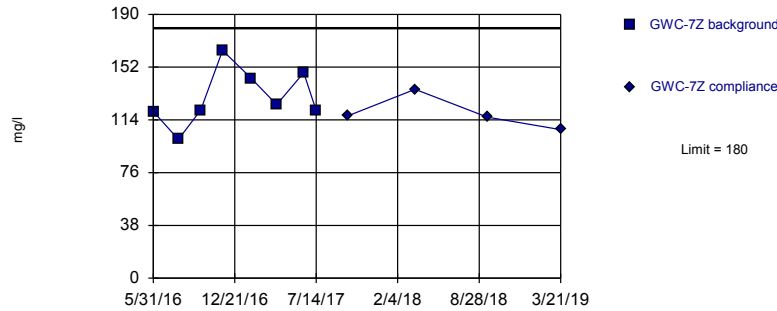


Background Data Summary: Mean=89.88, Std. Dev.=35.81, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9697, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:57 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

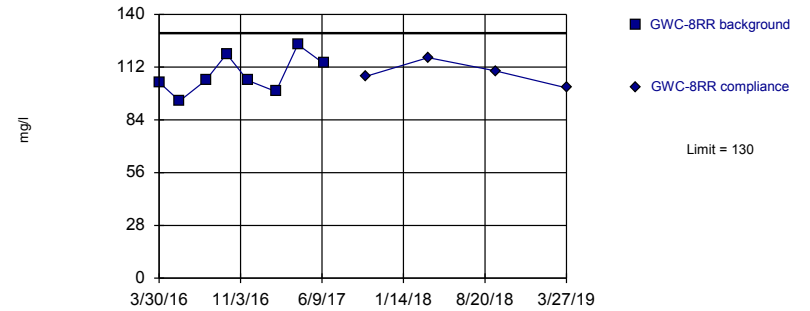


Background Data Summary: Mean=130.4, Std. Dev.=20.22, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9385, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:57 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=108, Std. Dev.=10.17, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9501, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:57 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
3/29/2016	51	
5/24/2016	76	
8/1/2016	69	
9/26/2016	103	
11/18/2016	77	
2/1/2017	168	
4/6/2017	95	
6/13/2017	101	
10/3/2017		83
3/19/2018		70
9/17/2018		77
3/21/2019		80

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
3/29/2016	64	
5/24/2016	77	
8/1/2016	35	
9/26/2016	111	
11/14/2016	76	
2/1/2017	126	
4/6/2017	146	
6/13/2017	84	
10/3/2017		70
3/20/2018		78
9/17/2018		74
3/21/2019		60

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	120	
8/2/2016	100	
9/27/2016	121	
11/21/2016	164	
2/1/2017	144	
4/6/2017	125	
6/13/2017	148	
7/14/2017	121	
10/3/2017		117
3/20/2018		136
9/18/2018		116
3/21/2019		107

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

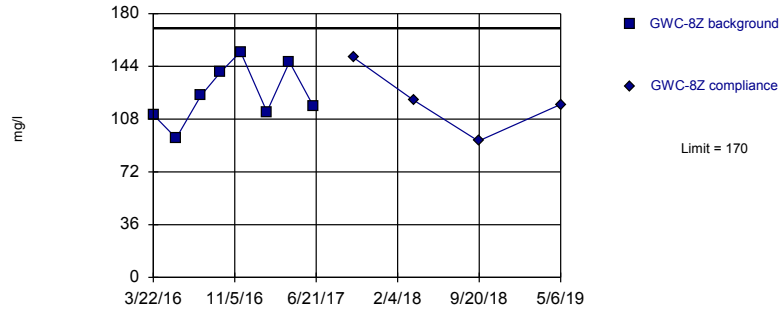
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
3/30/2016	104	
5/24/2016	94	
8/2/2016	105	
9/27/2016	119	
11/22/2016	105	
2/6/2017	99	
4/6/2017	124	
6/14/2017	114	
10/4/2017		107
3/21/2018		117
9/18/2018		110
3/27/2019		101



Within Limit

Prediction Limit  
Intrawell Parametric

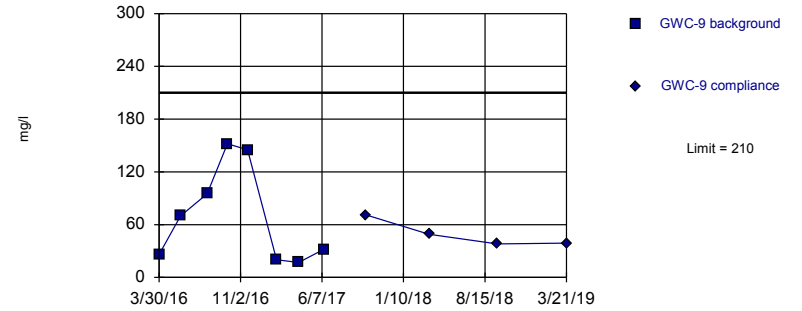


Background Data Summary: Mean=125.1, Std. Dev.=20.2, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9543, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:57 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

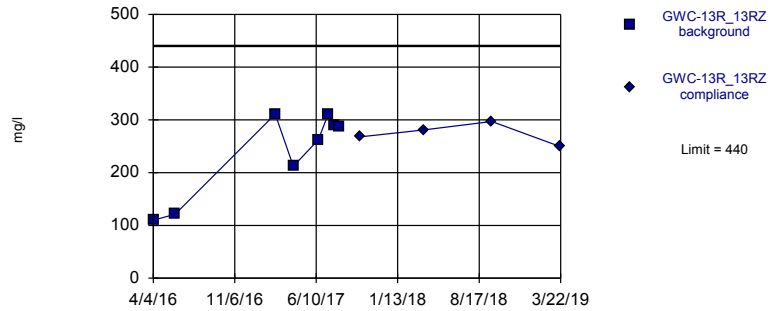


Background Data Summary: Mean=69.63, Std. Dev.=55.63, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8465, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:57 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=237.9, Std. Dev.=81.89, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8211, critical = 0.749. Kappa = 2.468 (c=7, w=17, 1 of 3, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 12:57 PM View: cells\_1&2\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
3/22/2016	111	
5/25/2016	95	
8/2/2016	124	
9/26/2016	140	
11/21/2016	154	
2/3/2017	113	
4/7/2017	147	
6/13/2017	117	
10/3/2017		150
3/20/2018		121
9/18/2018		93
5/6/2019		118

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
3/30/2016	26	
5/26/2016	70	
8/5/2016	95	
9/28/2016	152	
11/21/2016	145	
2/6/2017	20 (J)	
4/6/2017	17 (J)	
6/13/2017	32	
10/3/2017		71
3/20/2018		49
9/18/2018		38
3/21/2019		39

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 12:59 PM View: cells\_1&2\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
4/4/2016	110	
6/1/2016	121	
2/22/2017	311	
4/11/2017	212	
6/16/2017	262	
7/12/2017	310	
7/28/2017	289	
8/10/2017	288	
10/6/2017		268
3/23/2018		281
9/20/2018		297
3/22/2019		249 (D)

# Trend Test - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 10:29 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	GWA-2 (bg)	0	-242	-167	Yes	33	100	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50 (bg)	-0.00...	-147	-124	Yes	27	92.59	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50R (bg)	-0.00...	-164	-124	Yes	27	100	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-1 (bg)	-0.00...	-295	-167	Yes	33	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3 (bg)	-0.00...	-357	-161	Yes	32	3.125	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2 (bg)	-0.4945	-39	-38	Yes	12	8.333	n/a	n/a	0.01	NP
pH (pH units)	GWA-3 (bg)	-0.1781	-52	-38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-1 (bg)	-0.2854	-47	-38	Yes	12	0	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-3 (bg)	-0.00...	-224	-131	Yes	28	3.571	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-50R (bg)	-0.00...	-142	-92	Yes	22	22.73	n/a	n/a	0.01	NP

# Trend Test - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 10:29 AM

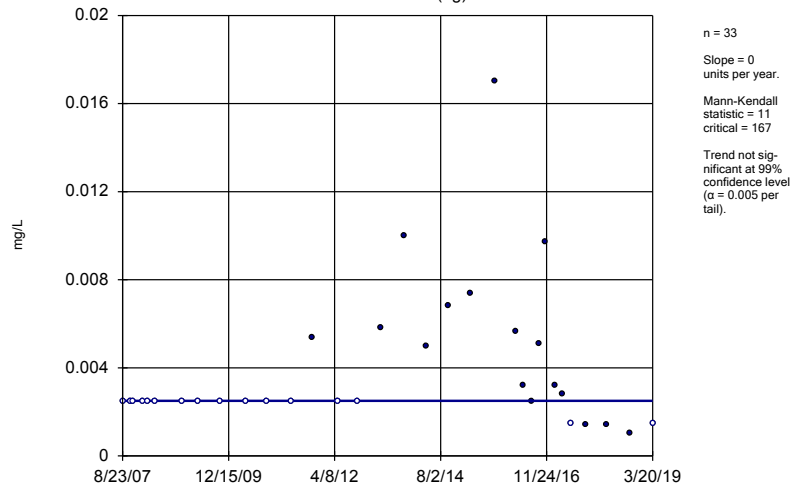
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-1 (bg)	0	11	167	No	33	48.48	n/a	n/a	0.01	NP
<b>Antimony (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>0</b>	<b>-242</b>	<b>-167</b>	<b>Yes</b>	<b>33</b>	<b>100</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Antimony (mg/L)	GWA-2R (bg)	0.000...	145	161	No	32	53.13	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-3 (bg)	0	-63	-161	No	32	68.75	n/a	n/a	0.01	NP
<b>Antimony (mg/L)</b>	<b>GWA-50 (bg)</b>	<b>-0.00...</b>	<b>-147</b>	<b>-124</b>	<b>Yes</b>	<b>27</b>	<b>92.59</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Antimony (mg/L)</b>	<b>GWA-50R (bg)</b>	<b>-0.00...</b>	<b>-164</b>	<b>-124</b>	<b>Yes</b>	<b>27</b>	<b>100</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Antimony (mg/L)	GWA-4RZ (bg)	0	-4	-38	No	12	66.67	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWA-1 (bg)</b>	<b>-0.00...</b>	<b>-295</b>	<b>-167</b>	<b>Yes</b>	<b>33</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium (mg/L)	GWA-2 (bg)	0.000...	35	161	No	32	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2R (bg)	-0.00...	-14	-152	No	31	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWA-3 (bg)</b>	<b>-0.00...</b>	<b>-357</b>	<b>-161</b>	<b>Yes</b>	<b>32</b>	<b>3.125</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium (mg/L)	GWA-50 (bg)	-0.00...	-95	-124	No	27	3.704	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.00...	-96	-105	No	24	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.005157	35	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-1 (bg)	0.4334	4	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-2 (bg)	-8.458	-18	-38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-2R (bg)	3.947	24	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-3 (bg)	-0.2146	-35	-38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-50 (bg)	0.1551	9	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-50R (bg)	-0.7937	-14	-38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-4RZ (bg)	-1.865	-11	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-1 (bg)	-0.0457	-8	-38	No	12	8.333	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>-0.4945</b>	<b>-39</b>	<b>-38</b>	<b>Yes</b>	<b>12</b>	<b>8.333</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	GWA-2R (bg)	0.1356	20	38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-3 (bg)	-0.05817	-26	-38	No	12	8.333	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-50 (bg)	0	-5	-38	No	12	8.333	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-50R (bg)	-0.1042	-18	-38	No	12	16.67	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-4RZ (bg)	0.3996	16	38	No	12	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-1 (bg)	-0.01984	-11	-38	No	12	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-2 (bg)	-0.3076	-30	-38	No	12	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-2R (bg)	-0.08818	-23	-38	No	12	0	n/a	n/a	0.01	NP
<b>pH (pH units)</b>	<b>GWA-3 (bg)</b>	<b>-0.1781</b>	<b>-52</b>	<b>-38</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (pH units)	GWA-50 (bg)	-0.0421	-9	-38	No	12	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-50R (bg)	-0.1531	-22	-38	No	12	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-4RZ (bg)	-0.03858	-12	-43	No	13	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWA-1 (bg)</b>	<b>-0.2854</b>	<b>-47</b>	<b>-38</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	GWA-2 (bg)	-15.81	-18	-38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-2R (bg)	0.2992	5	34	No	11	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-3 (bg)	-0.2246	-33	-34	No	11	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-50 (bg)	-0.05984	-17	-34	No	11	9.091	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-50R (bg)	-0.1123	-14	-34	No	11	9.091	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-4RZ (bg)	4.064	36	43	No	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-1 (bg)	3.332	6	38	No	12	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-2 (bg)	-40.56	-22	-38	No	12	8.333	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-2R (bg)	8.816	12	38	No	12	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-3 (bg)	0	8	38	No	12	41.67	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-50 (bg)	0.3544	7	38	No	12	33.33	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-50R (bg)	-1.035	-5	-38	No	12	25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-4RZ (bg)	-34.65	-13	-38	No	12	0	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-1 (bg)	-0.00...	-88	-131	No	28	28.57	n/a	n/a	0.01	NP

# Trend Test - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 10:29 AM

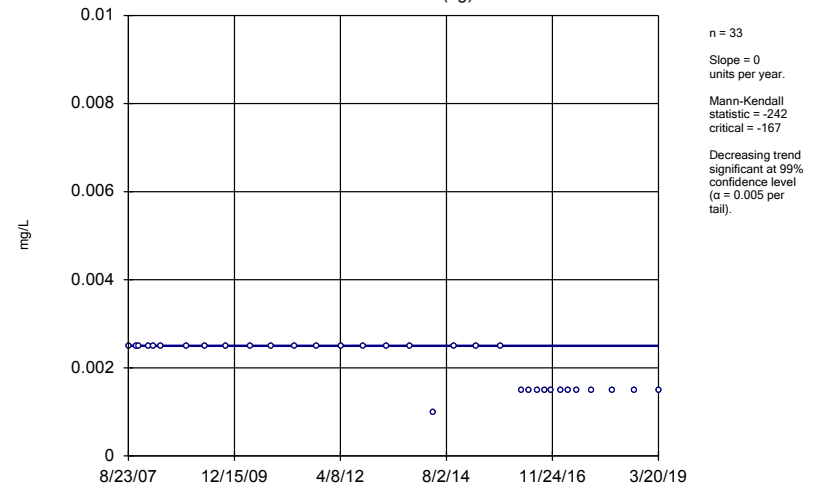
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Zinc (mg/L)	GWA-2 (bg)	-0.00...	-45	-131	No	28	46.43	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-2R (bg)	0	-24	-124	No	27	48.15	n/a	n/a	0.01	NP
<b>Zinc (mg/L)</b>	<b>GWA-3 (bg)</b>	<b>-0.00...</b>	<b>-224</b>	<b>-131</b>	<b>Yes</b>	<b>28</b>	<b>3.571</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Zinc (mg/L)	GWA-50 (bg)	-0.00...	-90	-92	No	22	27.27	n/a	n/a	0.01	NP
<b>Zinc (mg/L)</b>	<b>GWA-50R (bg)</b>	<b>-0.00...</b>	<b>-142</b>	<b>-92</b>	<b>Yes</b>	<b>22</b>	<b>22.73</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Zinc (mg/L)	GWA-4RZ (bg)	0	0	8	No	4	100	n/a	n/a	0.01	NP

Sen's Slope Estimator  
GWA-1 (bg)



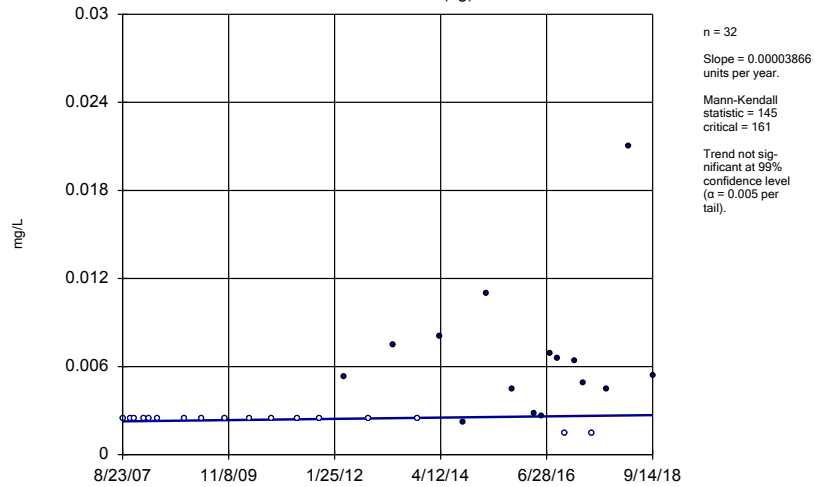
Constituent: Antimony Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-2 (bg)



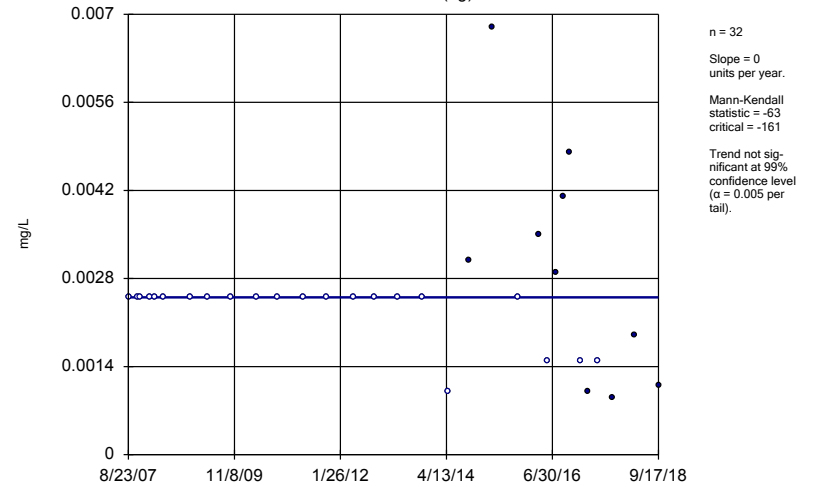
Constituent: Antimony Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-2R (bg)



Constituent: Antimony Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-3 (bg)



Constituent: Antimony Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)
8/23/2007	<0.005
10/23/2007	<0.005
11/18/2007	<0.005
1/30/2008	<0.005
3/10/2008	<0.005
5/13/2008	<0.005
12/5/2008	<0.005
4/15/2009	<0.005
10/7/2009	<0.005
5/3/2010	<0.005
10/12/2010	<0.005
4/27/2011	<0.005
10/17/2011	0.0054
5/2/2012	<0.005
10/8/2012	<0.005
4/12/2013	0.0058
10/16/2013	0.01
4/11/2014	0.005 (J)
9/30/2014	0.0068
3/30/2015	0.0074
10/13/2015	0.017
3/22/2016	0.00567
5/19/2016	0.00319
7/29/2016	0.0025 (J)
9/23/2016	0.0051
11/9/2016	0.0097 (J)
1/30/2017	0.0032
3/30/2017	0.0028 (J)
6/9/2017	<0.003 (*)
10/2/2017	0.0014 (J)
3/16/2018	0.0014 (J)
9/17/2018	0.00105 (JD)
3/20/2019	<0.003

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2 (bg)
8/23/2007	<0.005
10/24/2007	<0.005
11/18/2007	<0.005
1/31/2008	<0.005
3/11/2008	<0.005
5/6/2008	<0.005
12/4/2008	<0.005
4/21/2009	<0.005
10/7/2009	<0.005
4/26/2010	<0.005
10/4/2010	<0.005
4/13/2011	<0.005
10/5/2011	<0.005
4/11/2012	<0.005
10/9/2012	<0.005
4/15/2013	<0.005
10/15/2013	<0.005
4/22/2014	<0.002
9/30/2014	<0.005
3/30/2015	<0.005
10/13/2015	<0.005
3/23/2016	<0.003
5/20/2016	<0.003
7/29/2016	<0.003
9/23/2016	<0.003
11/9/2016	<0.003 (*)
1/31/2017	<0.003
3/30/2017	<0.003
6/12/2017	<0.003 (*)
10/2/2017	<0.003
3/19/2018	<0.003
9/14/2018	<0.003
3/20/2019	<0.003

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

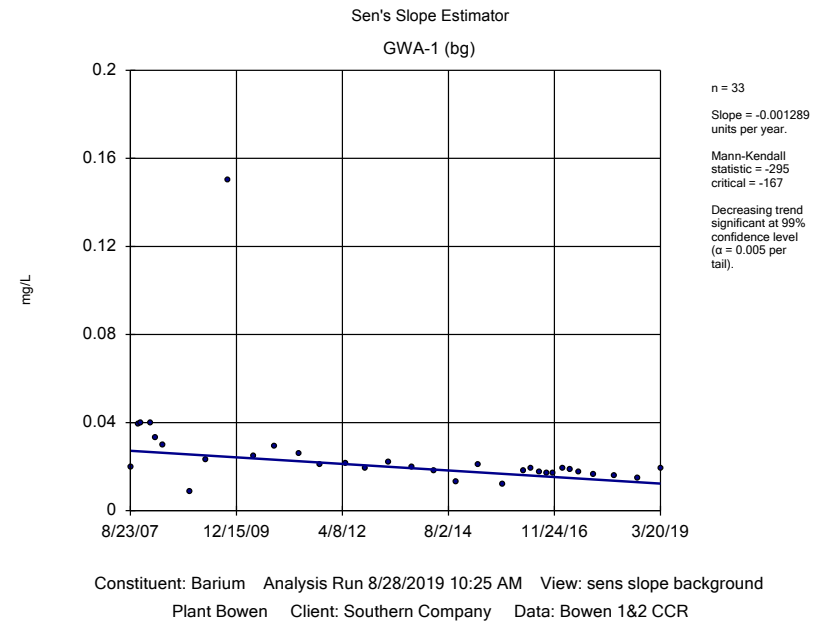
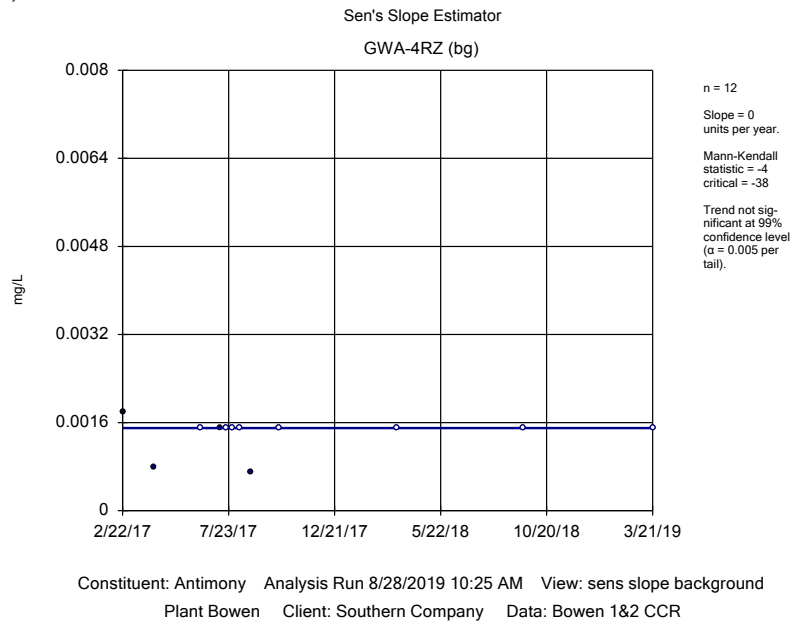
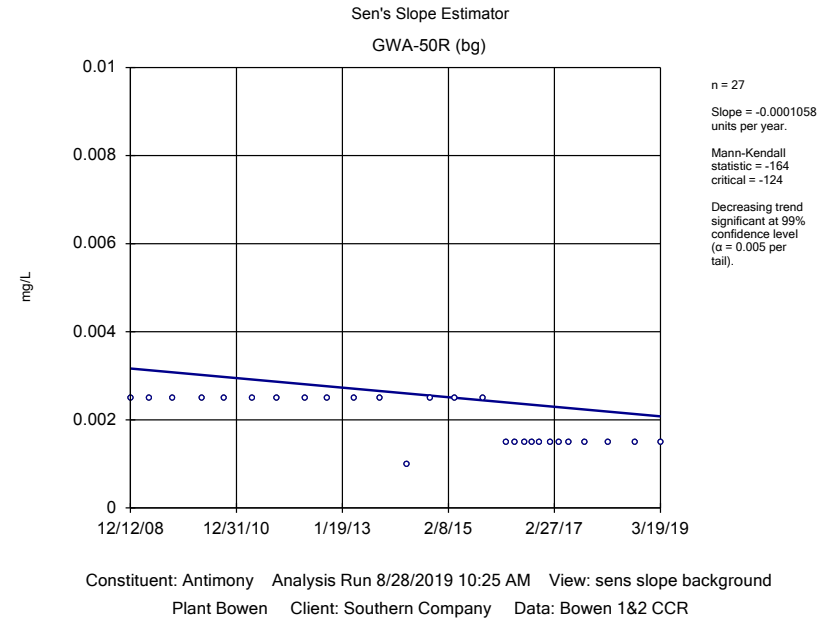
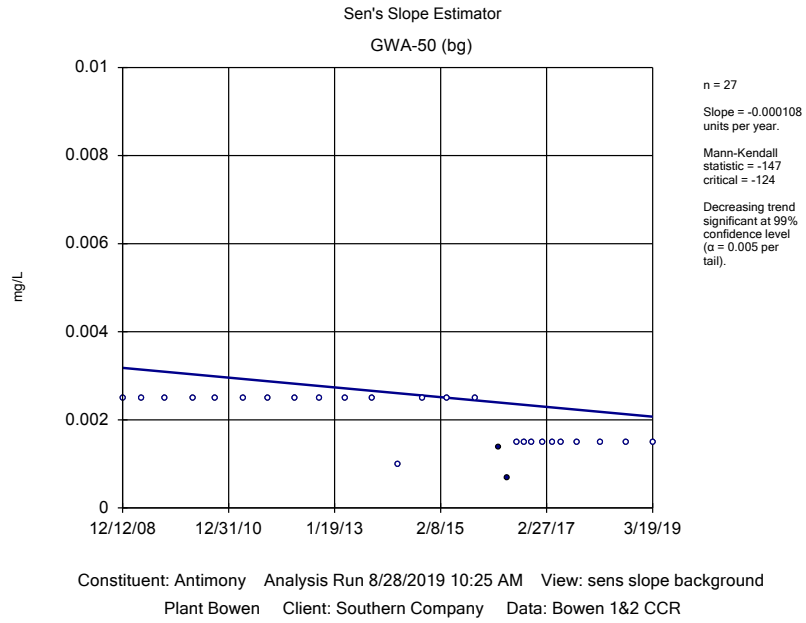
	GWA-2R (bg)
8/23/2007	<0.005
10/24/2007	<0.005
11/18/2007	<0.005
1/31/2008	<0.005
3/10/2008	<0.005
5/13/2008	<0.005
12/4/2008	<0.005
4/21/2009	<0.005
10/8/2009	<0.005
4/21/2010	<0.005
9/28/2010	<0.005
4/12/2011	<0.005
10/4/2011	<0.005
4/3/2012	0.0053
10/9/2012	<0.005
4/11/2013	0.0075
10/16/2013	<0.005
4/10/2014	0.0081
9/30/2014	0.0022 (J)
3/30/2015	0.011
10/13/2015	0.0045 (J)
3/23/2016	0.00281 (J)
5/19/2016	0.00264 (J)
7/29/2016	0.0069
9/22/2016	0.0066
11/10/2016	<0.003 (*)
1/31/2017	0.0064
4/3/2017	0.0049
6/9/2017	<0.003 (*)
10/2/2017	0.0045
3/16/2018	0.021
9/14/2018	0.0054
3/19/2019	0.0019 (X)

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3 (bg)
8/23/2007	<0.005
11/2/2007	<0.005
11/18/2007	<0.005
1/31/2008	<0.005
3/11/2008	<0.005
5/14/2008	<0.005
12/5/2008	<0.005
4/15/2009	<0.005
10/8/2009	<0.005
4/28/2010	<0.005
10/6/2010	<0.005
4/21/2011	<0.005
10/13/2011	<0.005
5/1/2012	<0.005
10/9/2012	<0.005
4/11/2013	<0.005
10/16/2013	<0.005
4/23/2014	<0.002
10/4/2014	0.0031 (J)
3/31/2015	0.0068
10/12/2015	<0.005
3/23/2016	0.0035
5/23/2016	<0.003
7/29/2016	0.0029 (J)
9/22/2016	0.0041
11/10/2016	0.0048 (J)
1/31/2017	<0.003
3/30/2017	0.001 (J)
6/12/2017	<0.003 (*)
10/4/2017	0.0009 (J)
3/19/2018	0.0019 (J)
9/17/2018	0.0011 (J)
3/20/2019	0.0019 (X)



# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50 (bg)
12/12/2008	<0.005
4/23/2009	<0.005
10/6/2009	<0.005
4/27/2010	<0.005
9/30/2010	<0.005
4/14/2011	<0.005
10/5/2011	<0.005
4/11/2012	<0.005
10/2/2012	<0.005
4/9/2013	<0.005
10/15/2013	<0.005
4/10/2014	<0.002
10/1/2014	<0.005
3/30/2015	<0.005
10/11/2015	<0.005
3/28/2016	0.00139 (J)
5/23/2016	0.000677 (J)
8/1/2016	<0.003 (*)
9/26/2016	<0.003
11/10/2016	<0.003 (*)
1/30/2017	<0.003
4/7/2017	<0.003
6/12/2017	<0.003 (*)
10/2/2017	<0.003
3/16/2018	<0.003
9/17/2018	<0.003
3/19/2019	<0.003

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)
12/12/2008	<0.005
4/23/2009	<0.005
10/6/2009	<0.005
5/3/2010	<0.005
10/11/2010	<0.005
4/27/2011	<0.005
10/19/2011	<0.005
5/1/2012	<0.005
10/2/2012	<0.005
4/10/2013	<0.005
10/16/2013	<0.005
4/22/2014	<0.002
10/1/2014	<0.005
3/30/2015	<0.005
10/11/2015	<0.005
3/28/2016	<0.003
5/25/2016	<0.003
8/1/2016	<0.003 (*)
9/26/2016	<0.003
11/11/2016	<0.003
1/30/2017	<0.003
4/3/2017	<0.003
6/12/2017	<0.003
10/2/2017	<0.003
3/16/2018	<0.003
9/18/2018	<0.003
3/19/2019	<0.003

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ (bg)
2/22/2017	0.0018 (J)
4/7/2017	0.0008 (J)
6/14/2017	<0.003 (*)
7/12/2017	0.0015 (J)
7/20/2017	<0.003
7/28/2017	<0.003
8/9/2017	<0.003
8/24/2017	0.0007 (J)
10/3/2017	<0.003
3/21/2018	<0.003
9/18/2018	<0.003
3/21/2019	<0.003



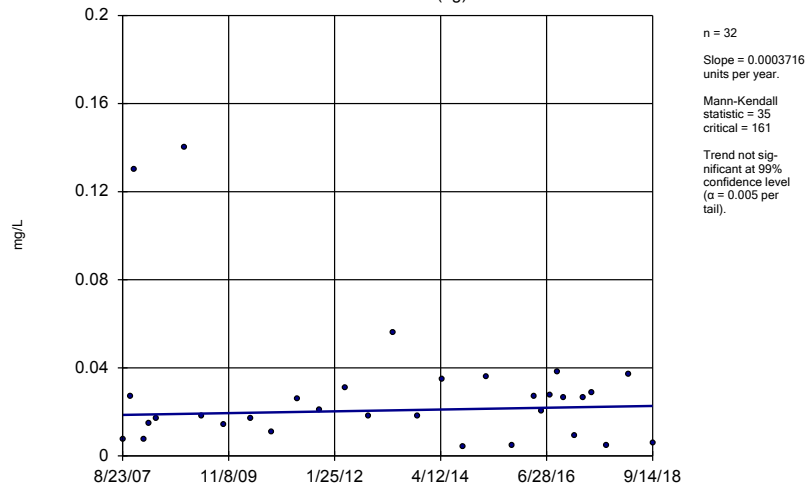
# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

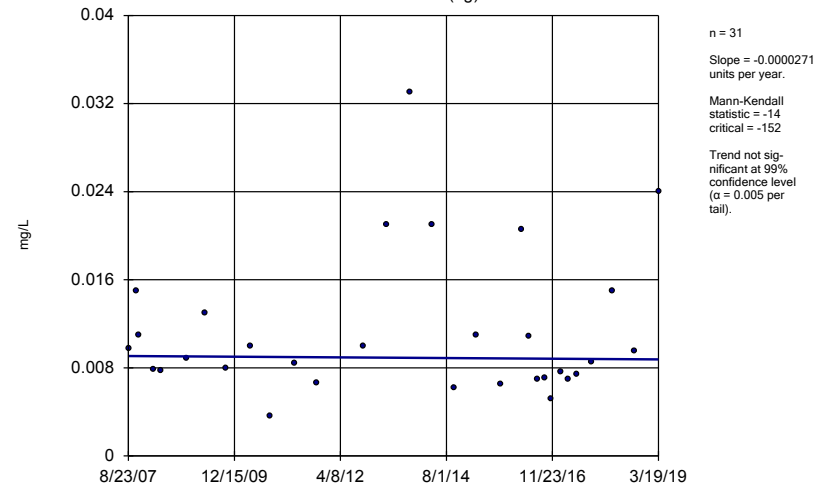
	GWA-1 (bg)
8/23/2007	0.02
10/23/2007	0.039
11/18/2007	0.04 (J)
1/30/2008	0.04
3/10/2008	0.033
5/13/2008	0.03
12/5/2008	0.0087
4/15/2009	0.023
10/7/2009	0.15
5/3/2010	0.025
10/12/2010	0.029
4/27/2011	0.026
10/17/2011	0.021
5/2/2012	0.0212
10/8/2012	0.019
4/12/2013	0.022
10/16/2013	0.02
4/11/2014	0.018
9/30/2014	0.013
3/30/2015	0.021
10/13/2015	0.012
3/22/2016	0.0182
5/19/2016	0.0193
7/29/2016	0.0174
9/23/2016	0.0168
11/9/2016	0.0171
1/30/2017	0.019
3/30/2017	0.0184
6/9/2017	0.0174
10/2/2017	0.0167
3/16/2018	0.016
9/17/2018	0.015 (D)
3/20/2019	0.019

Sen's Slope Estimator  
GWA-2 (bg)



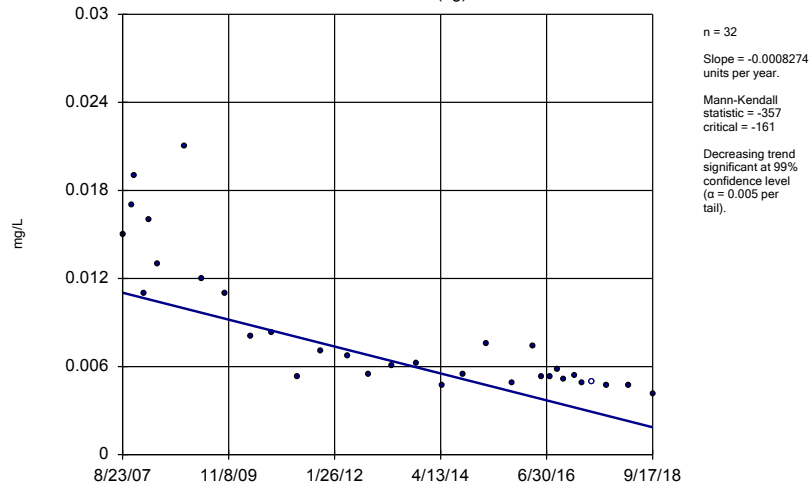
Constituent: Barium Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-2R (bg)



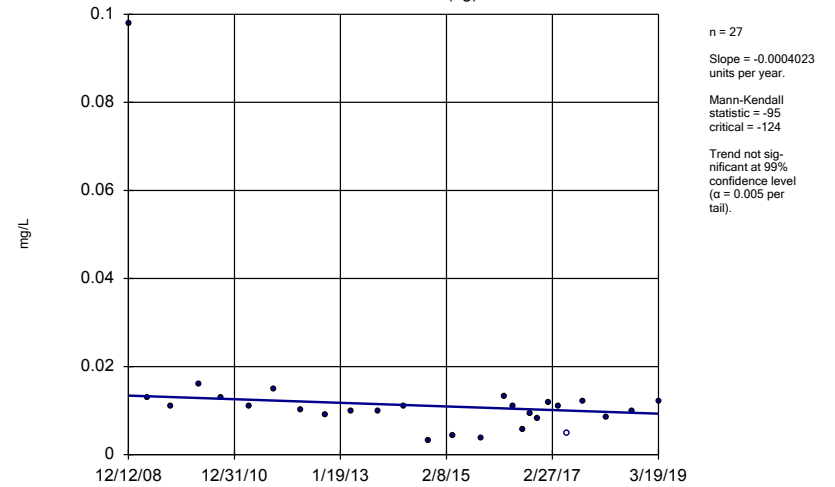
Constituent: Barium Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-3 (bg)



Constituent: Barium Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-50 (bg)



Constituent: Barium Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2 (bg)
8/23/2007	0.0073
10/24/2007	0.027
11/18/2007	0.13
1/31/2008	0.0077
3/11/2008	0.015
5/6/2008	0.017
12/4/2008	0.14
4/21/2009	0.018
10/7/2009	0.014
4/26/2010	0.017
10/4/2010	0.011
4/13/2011	0.026
10/5/2011	0.021
4/11/2012	0.0311
10/9/2012	0.018
4/15/2013	0.056
10/15/2013	0.018
4/22/2014	0.035
9/30/2014	0.0041
3/30/2015	0.036
10/13/2015	0.0048
3/23/2016	0.0271
5/20/2016	0.0206
7/29/2016	0.0275
9/23/2016	0.0384
11/9/2016	0.0266
1/31/2017	0.0094 (J)
3/30/2017	0.0262
6/12/2017	0.0288
10/2/2017	0.0048 (J)
3/19/2018	0.037
9/14/2018	0.0059 (J)
3/20/2019	0.0072 (X)

# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R (bg)
8/23/2007	0.0098
10/24/2007	0.015
11/18/2007	0.011
1/31/2008	0.13 (O)
3/10/2008	0.0078
5/13/2008	0.0077
12/4/2008	0.0089
4/21/2009	0.013
10/8/2009	0.008
4/21/2010	0.01
9/28/2010	0.0036
4/12/2011	0.0084
10/4/2011	0.0066
4/3/2012	0.0625 (O)
10/9/2012	0.01
4/11/2013	0.021
10/16/2013	0.033
4/10/2014	0.021
9/30/2014	0.0062
3/30/2015	0.011
10/13/2015	0.0065
3/23/2016	0.0206
5/19/2016	0.0109
7/29/2016	0.007 (J)
9/22/2016	0.0071 (J)
11/10/2016	0.0052 (J)
1/31/2017	0.0076 (J)
4/3/2017	0.007 (J)
6/9/2017	0.0074 (J)
10/2/2017	0.0085 (J)
3/16/2018	0.015
9/14/2018	0.0095 (J)
3/19/2019	0.024

# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

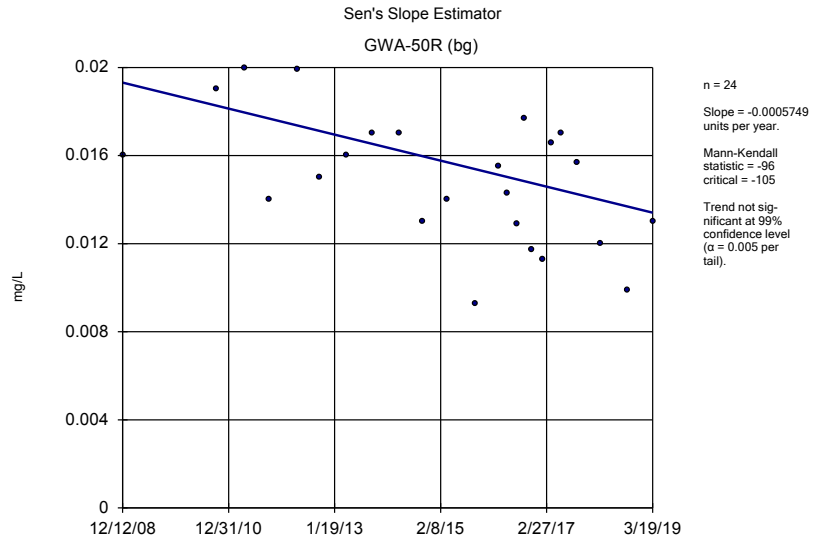
	GWA-3 (bg)
8/23/2007	0.015
11/2/2007	0.017
11/18/2007	0.019
1/31/2008	0.011
3/11/2008	0.016
5/14/2008	0.013
12/5/2008	0.021
4/15/2009	0.012
10/8/2009	0.011
4/28/2010	0.0081
10/6/2010	0.0083
4/21/2011	0.0053
10/13/2011	0.0071
5/1/2012	0.0067
10/9/2012	0.0055
4/11/2013	0.0061
10/16/2013	0.0062
4/23/2014	0.0047
10/4/2014	0.0055
3/31/2015	0.0076
10/12/2015	0.0049
3/23/2016	0.00742 (J)
5/23/2016	0.00532 (J)
7/29/2016	0.0053 (J)
9/22/2016	0.0058 (J)
11/10/2016	0.0051 (J)
1/31/2017	0.0054 (J)
3/30/2017	0.0049 (J)
6/12/2017	<0.01 (*)
10/4/2017	0.0047 (J)
3/19/2018	0.0047 (J)
9/17/2018	0.0041 (J)
3/20/2019	0.0042 (X)

# Sen's Slope Estimator

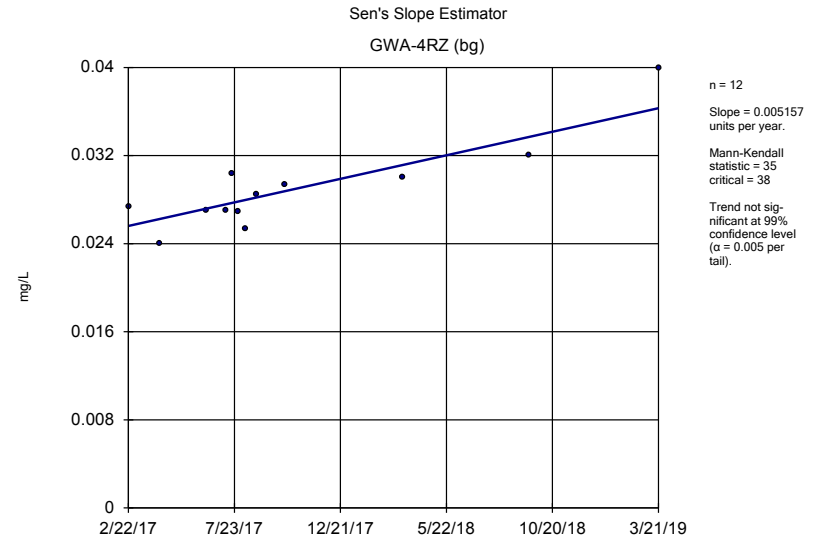
Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

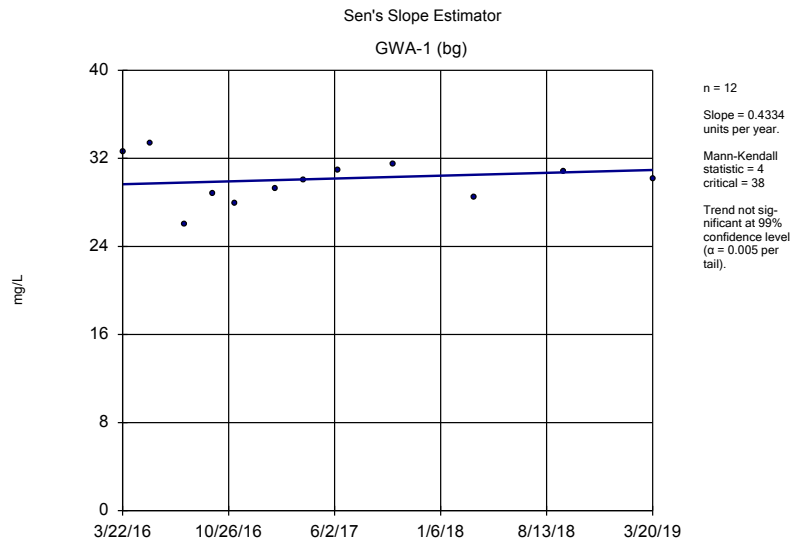
	GWA-50 (bg)
12/12/2008	0.098
4/23/2009	0.013
10/6/2009	0.011
4/27/2010	0.016
9/30/2010	0.013
4/14/2011	0.011
10/5/2011	0.015
4/11/2012	0.0102
10/2/2012	0.0091
4/9/2013	0.01
10/15/2013	0.0098
4/10/2014	0.011
10/1/2014	0.0033
3/30/2015	0.0043
10/11/2015	0.0038
3/28/2016	0.0133
5/23/2016	0.0109
8/1/2016	0.0058 (J)
9/26/2016	0.0092 (J)
11/10/2016	0.0083 (J)
1/30/2017	0.0117
4/7/2017	0.0109
6/12/2017	<0.01 (*)
10/2/2017	0.0122
3/16/2018	0.0084 (J)
9/17/2018	0.01
3/19/2019	0.012



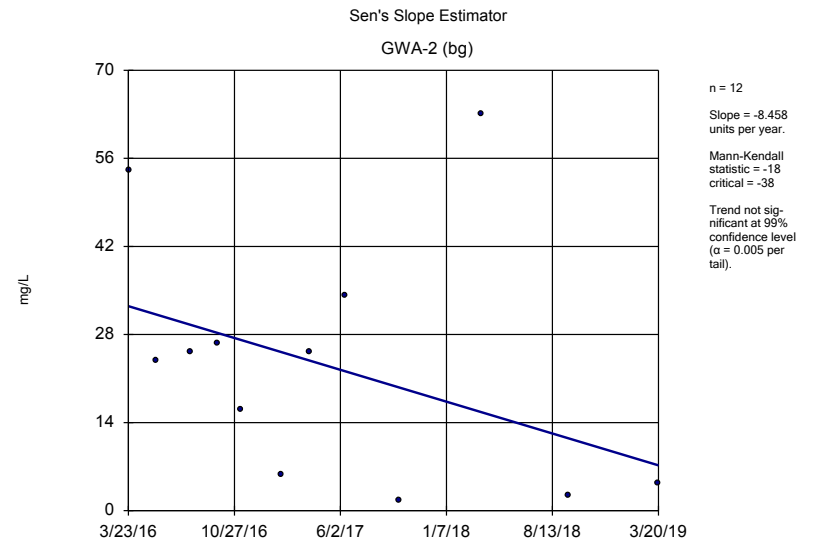
Constituent: Barium Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Barium Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)
12/12/2008	0.016
4/23/2009	0.14 (O)
10/6/2009	0.12 (O)
5/3/2010	0.12 (O)
10/11/2010	0.019
4/27/2011	0.02
10/19/2011	0.014
5/1/2012	0.0199
10/2/2012	0.015
4/10/2013	0.016
10/16/2013	0.017
4/22/2014	0.017
10/1/2014	0.013
3/30/2015	0.014
10/11/2015	0.0093
3/28/2016	0.0155
5/25/2016	0.0143
8/1/2016	0.0129
9/26/2016	0.0177
11/11/2016	0.0117
1/30/2017	0.0113
4/3/2017	0.0166
6/12/2017	0.017
10/2/2017	0.0157
3/16/2018	0.012
9/18/2018	0.0099 (J)
3/19/2019	0.013



# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWA-4RZ (bg)

2/22/2017	0.0273
4/7/2017	0.024
6/14/2017	0.027
7/12/2017	0.027
7/20/2017	0.0304
7/28/2017	0.0269
8/9/2017	0.0254
8/24/2017	0.0285
10/3/2017	0.0294
3/21/2018	0.03
9/18/2018	0.032
3/21/2019	0.04

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

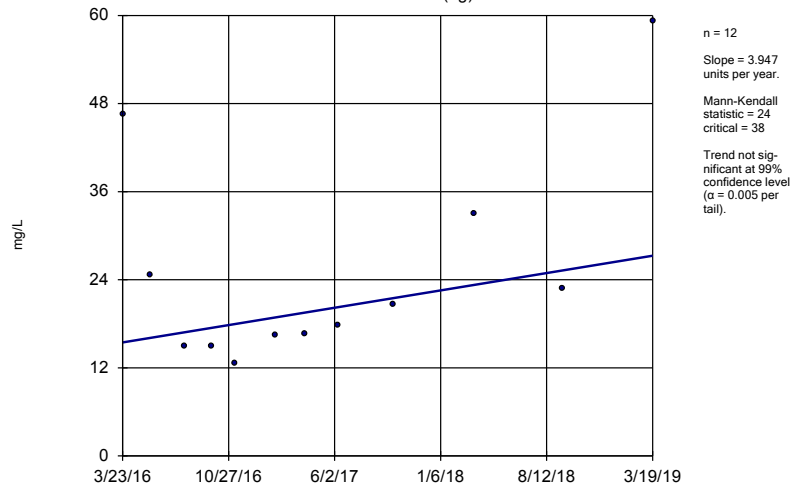
	GWA-1 (bg)
3/22/2016	32.6
5/19/2016	33.4
7/29/2016	26
9/23/2016	28.8
11/9/2016	27.9
1/30/2017	29.2
3/30/2017	30
6/9/2017	30.9
10/2/2017	31.5
3/16/2018	28.5
9/17/2018	30.8
3/20/2019	30.1

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

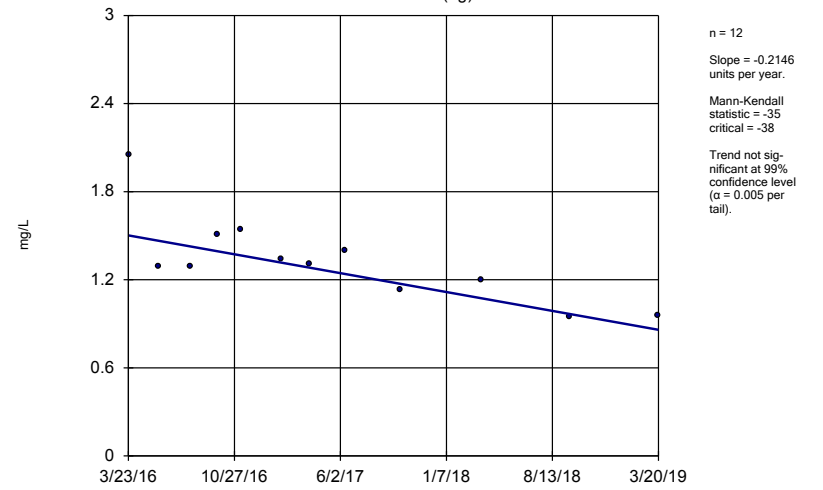
	GWA-2 (bg)
3/23/2016	54.1
5/20/2016	23.9
7/29/2016	25.3
9/23/2016	26.6
11/9/2016	16.1
1/31/2017	5.68
3/30/2017	25.2
6/12/2017	34.2
10/2/2017	1.69
3/19/2018	63
9/14/2018	2.4
3/20/2019	4.3

Sen's Slope Estimator  
GWA-2R (bg)



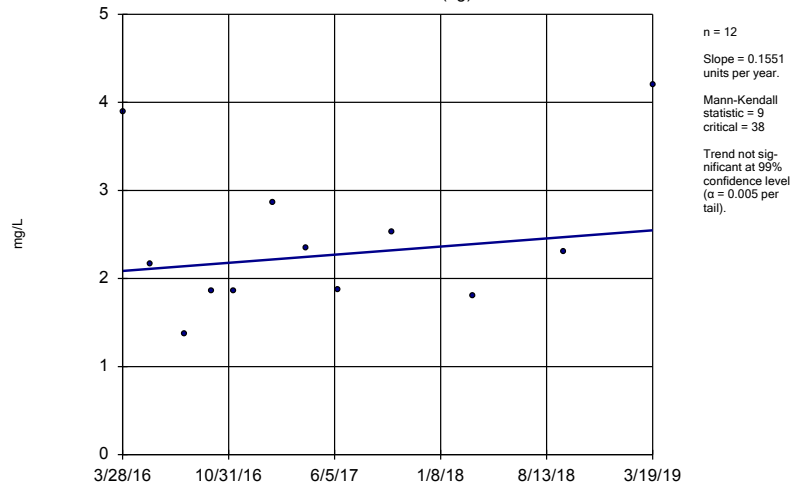
Constituent: Calcium Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-3 (bg)



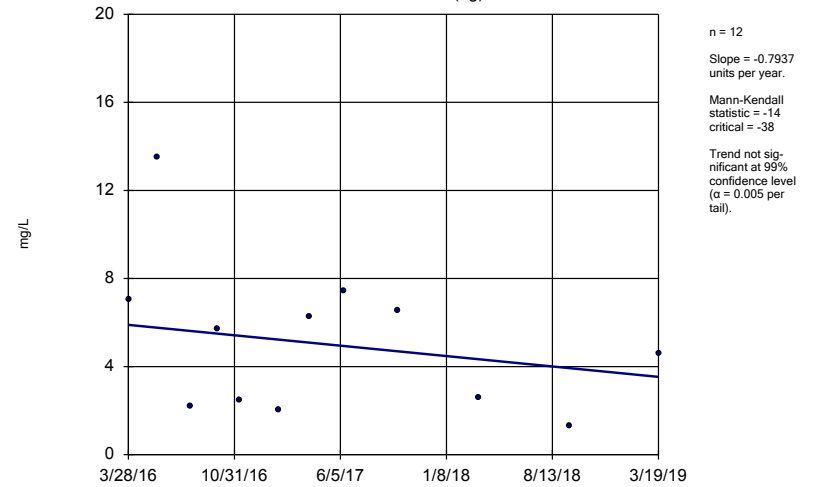
Constituent: Calcium Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-50 (bg)



Constituent: Calcium Analysis Run 8/28/2019 10:25 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-50R (bg)



Constituent: Calcium Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R (bg)
3/23/2016	46.5
5/19/2016	24.6
7/29/2016	14.9
9/22/2016	15
11/10/2016	12.6
1/31/2017	16.5
4/3/2017	16.6
6/9/2017	17.8
10/2/2017	20.6
3/16/2018	33
9/14/2018	22.8 (J)
3/19/2019	59.2

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3 (bg)
3/23/2016	2.05
5/23/2016	1.29
7/29/2016	1.29
9/22/2016	1.51
11/10/2016	1.54
1/31/2017	1.34
3/30/2017	1.31
6/12/2017	1.4
10/4/2017	1.13
3/19/2018	1.2
9/17/2018	0.95
3/20/2019	0.96

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50 (bg)
3/28/2016	3.89
5/23/2016	2.16
8/1/2016	1.37
9/26/2016	1.86
11/10/2016	1.86
1/30/2017	2.86
4/7/2017	2.34
6/12/2017	1.87
10/2/2017	2.53
3/16/2018	1.8
9/17/2018	2.3
3/19/2019	4.2

# Sen's Slope Estimator

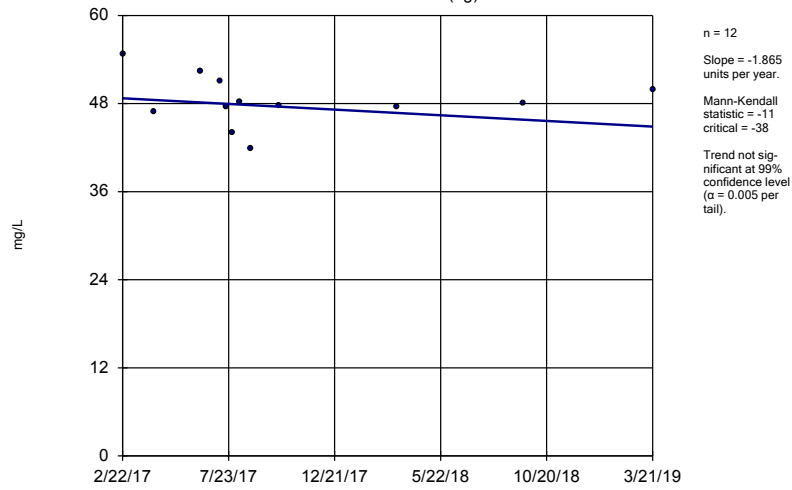
Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWA-50R (bg)

3/28/2016	7.04
5/25/2016	13.5
8/1/2016	2.2
9/26/2016	5.72
11/11/2016	2.5
1/30/2017	2.01
4/3/2017	6.26
6/12/2017	7.44
10/2/2017	6.55
3/16/2018	2.6
9/18/2018	1.3
3/19/2019	4.6

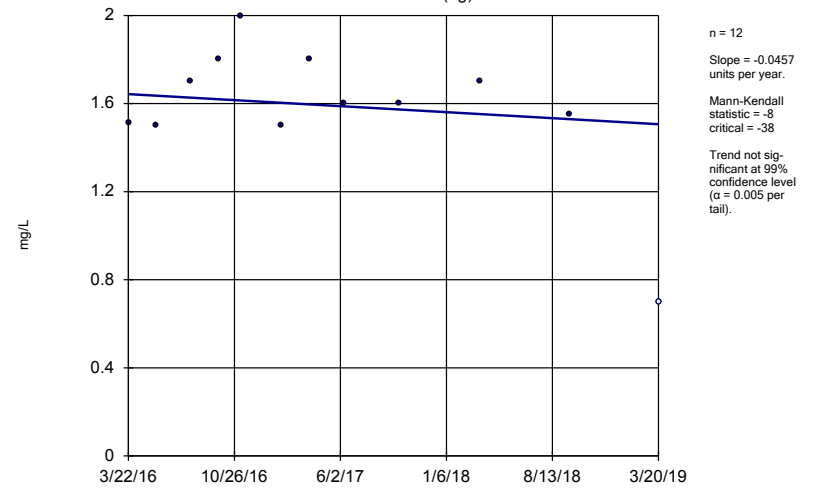


Sen's Slope Estimator  
GWA-4RZ (bg)



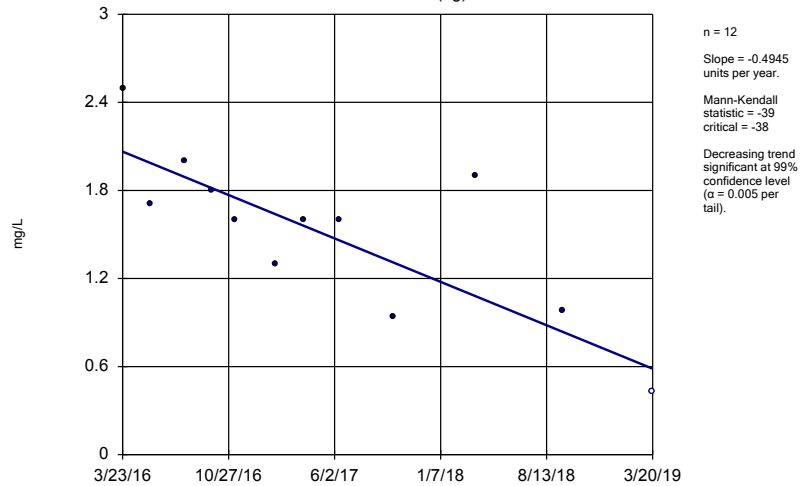
Constituent: Calcium Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-1 (bg)



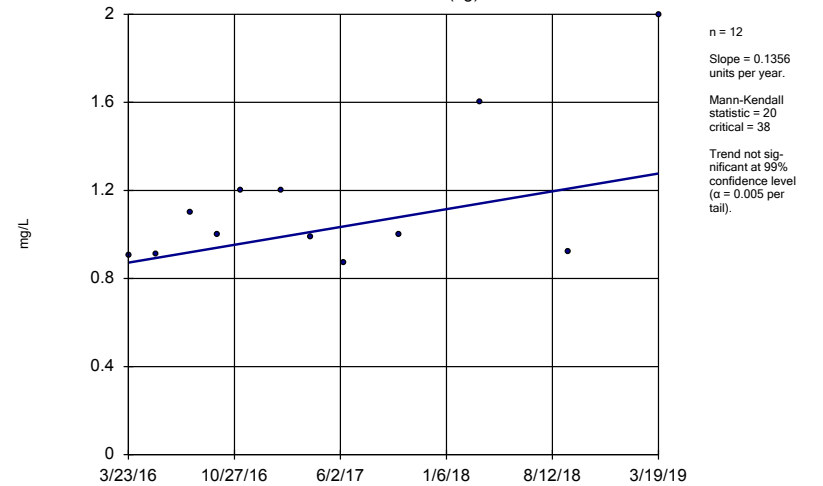
Constituent: Chloride Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-2 (bg)



Constituent: Chloride Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-2R (bg)



Constituent: Chloride Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWA-4RZ (bg)

2/22/2017	54.7
4/7/2017	46.8
6/14/2017	52.4
7/12/2017	51.1
7/20/2017	47.5
7/28/2017	44
8/9/2017	48.3
8/24/2017	41.9
10/3/2017	47.7
3/21/2018	47.5
9/18/2018	48.1
3/21/2019	49.9

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)
3/22/2016	1.5101
5/19/2016	1.5
7/29/2016	1.7
9/23/2016	1.8
11/9/2016	2
1/30/2017	1.5
3/30/2017	1.8
6/9/2017	1.6
10/2/2017	1.6
3/16/2018	1.7
9/17/2018	1.55 (D)
3/20/2019	<1.4

# Sen's Slope Estimator

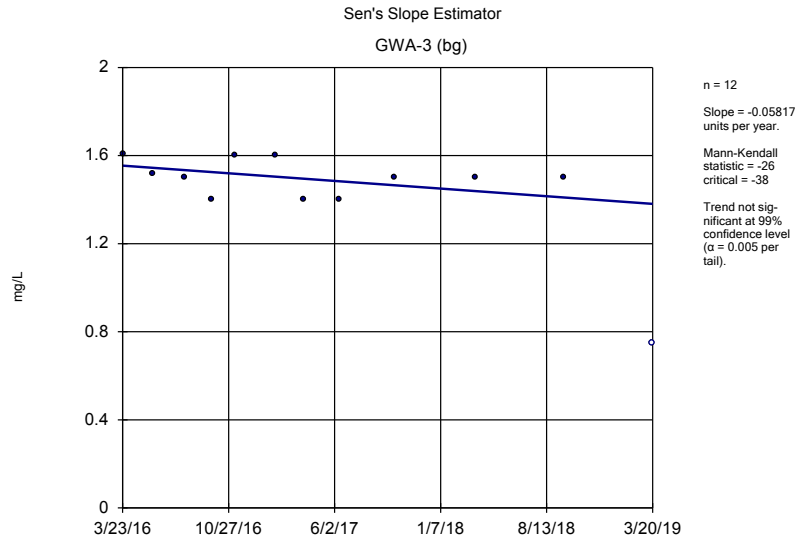
Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2 (bg)
3/23/2016	2.4904
5/20/2016	1.71
7/29/2016	2
9/23/2016	1.8
11/9/2016	1.6
1/31/2017	1.3
3/30/2017	1.6
6/12/2017	1.6
10/2/2017	0.94
3/19/2018	1.9
9/14/2018	0.98
3/20/2019	<0.86

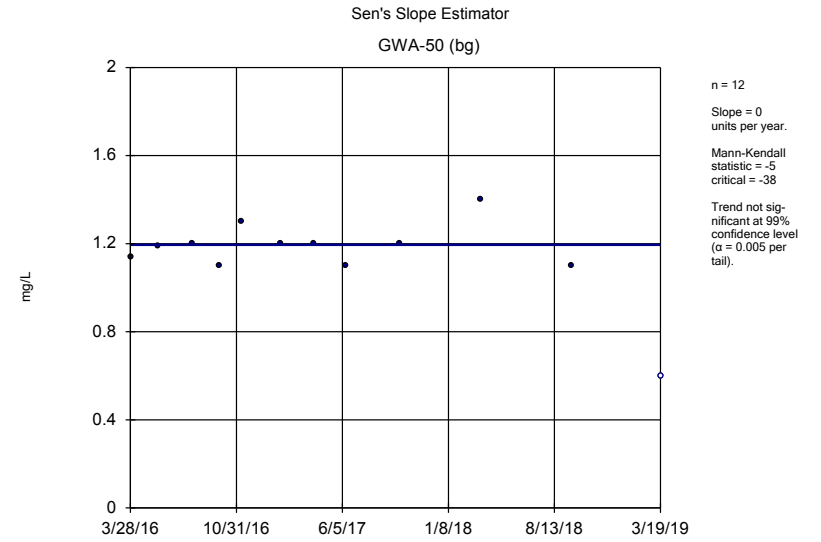
# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

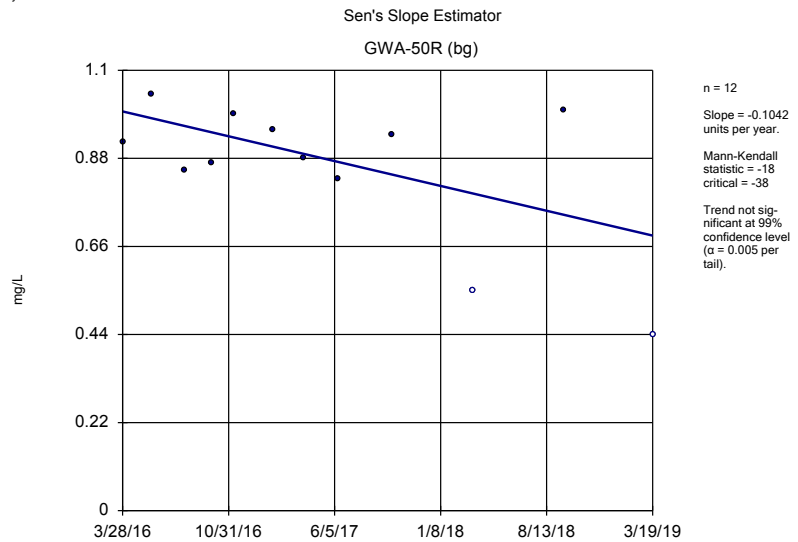
	GWA-2R (bg)
3/23/2016	0.9079
5/19/2016	0.9136
7/29/2016	1.1
9/22/2016	1
11/10/2016	1.2
1/31/2017	1.2
4/3/2017	0.99
6/9/2017	0.87
10/2/2017	1
3/16/2018	1.6
9/14/2018	0.92
3/19/2019	2



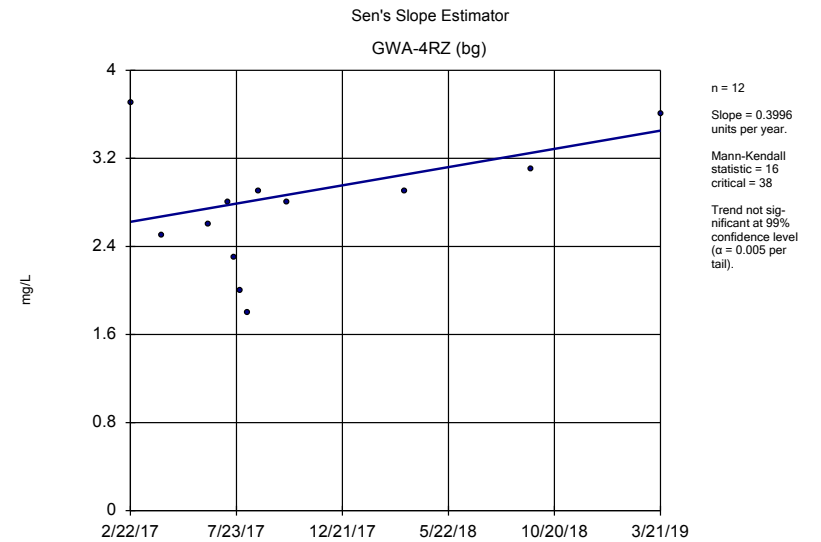
Constituent: Chloride Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3 (bg)
3/23/2016	1.6092
5/23/2016	1.52
7/29/2016	1.5
9/22/2016	1.4
11/10/2016	1.6
1/31/2017	1.6
3/30/2017	1.4
6/12/2017	1.4
10/4/2017	1.5
3/19/2018	1.5
9/17/2018	1.5
3/20/2019	<1.5

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50 (bg)
3/28/2016	1.14
5/23/2016	1.19
8/1/2016	1.2
9/26/2016	1.1
11/10/2016	1.3
1/30/2017	1.2
4/7/2017	1.2
6/12/2017	1.1
10/2/2017	1.2
3/16/2018	1.4
9/17/2018	1.1
3/19/2019	<1.2



# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)
3/28/2016	0.9204
5/25/2016	1.04
8/1/2016	0.85
9/26/2016	0.87
11/11/2016	0.99
1/30/2017	0.95
4/3/2017	0.88
6/12/2017	0.83
10/2/2017	0.94
3/16/2018	<1.1
9/18/2018	1
3/19/2019	<0.88

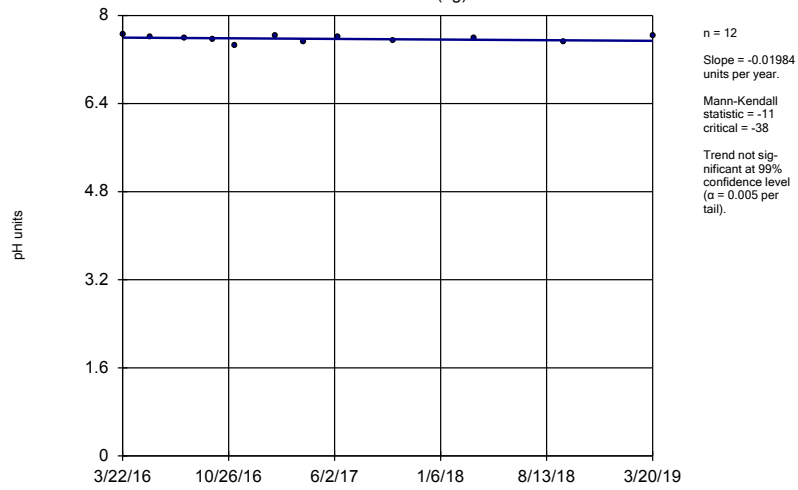
# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWA-4RZ (bg)

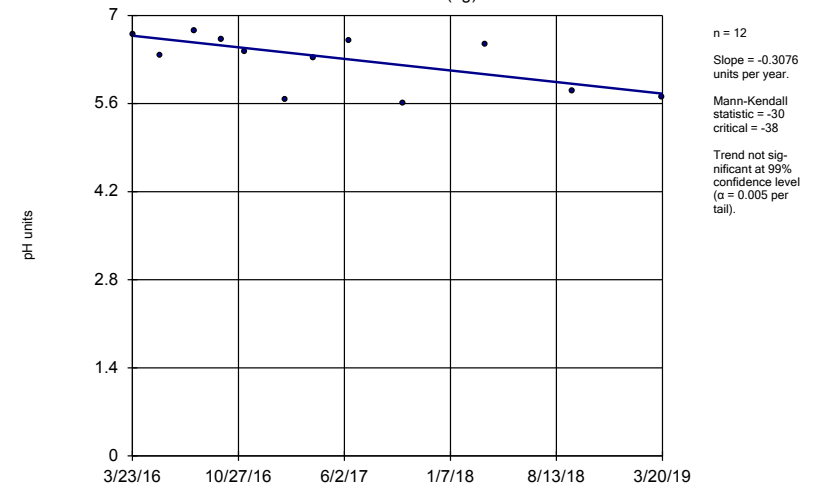
2/22/2017	3.7
4/7/2017	2.5
6/14/2017	2.6
7/12/2017	2.8
7/20/2017	2.3
7/28/2017	2
8/9/2017	1.8
8/24/2017	2.9
10/3/2017	2.8
3/21/2018	2.9
9/18/2018	3.1
3/21/2019	3.6

Sen's Slope Estimator  
GWA-1 (bg)



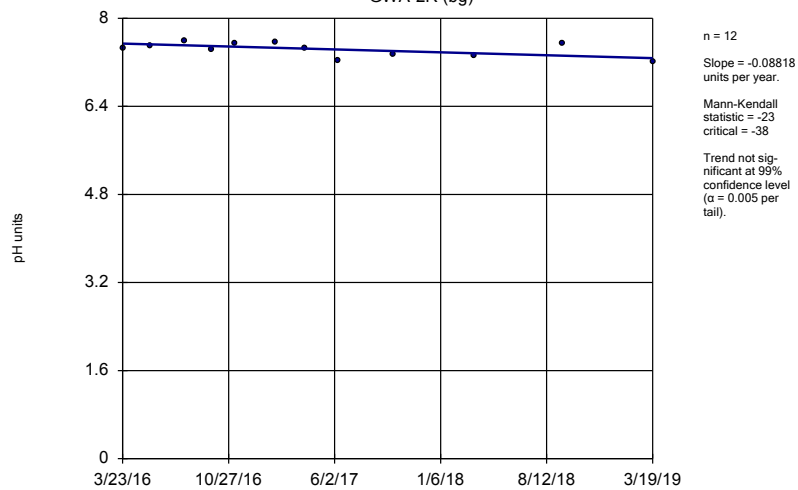
Constituent: pH Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-2 (bg)



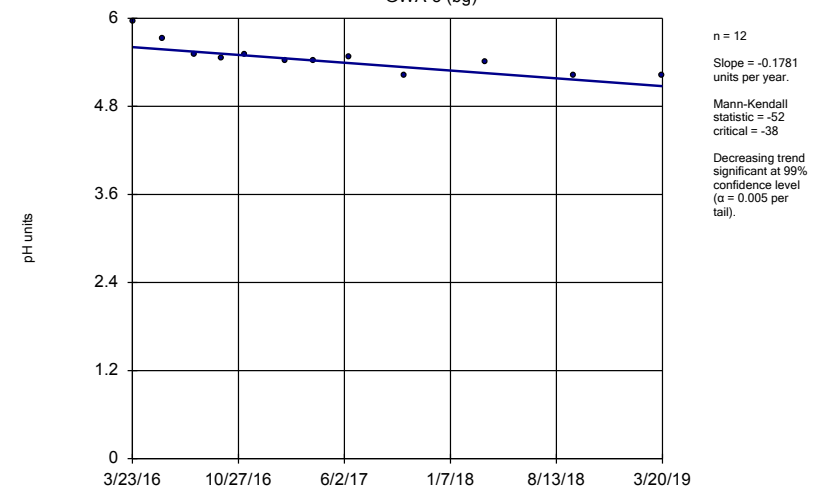
Constituent: pH Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-2R (bg)



Constituent: pH Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-3 (bg)



Constituent: pH Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)
3/22/2016	7.65
5/19/2016	7.6
7/29/2016	7.58
9/23/2016	7.57
11/9/2016	7.45
1/30/2017	7.64
3/30/2017	7.51
6/9/2017	7.6
10/2/2017	7.55
3/16/2018	7.58
9/17/2018	7.53 (D)
3/20/2019	7.64

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

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	GWA-2 (bg)
3/23/2016	6.7
5/20/2016	6.36
7/29/2016	6.75
9/23/2016	6.62
11/9/2016	6.42
1/31/2017	5.66
3/30/2017	6.33
6/12/2017	6.6
10/2/2017	5.61
3/19/2018	6.55
9/14/2018	5.81
3/20/2019	5.71

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

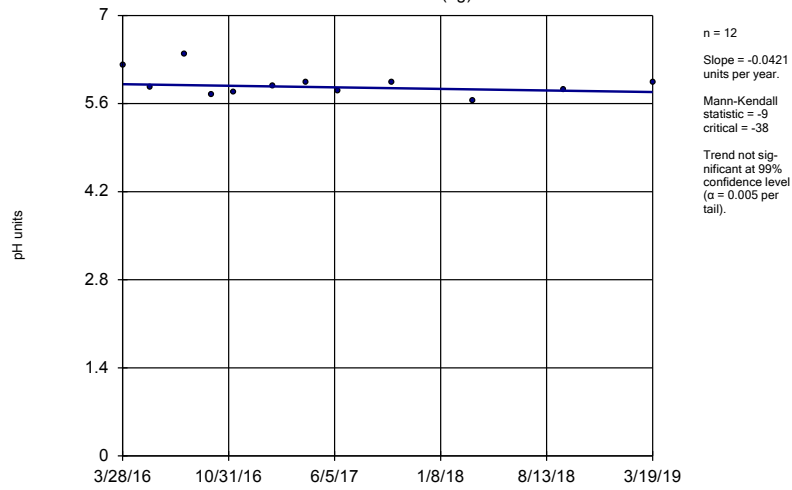
	GWA-2R (bg)
3/23/2016	7.45
5/19/2016	7.5
7/29/2016	7.59
9/22/2016	7.44
11/10/2016	7.55
1/31/2017	7.56
4/3/2017	7.46
6/9/2017	7.24
10/2/2017	7.35
3/16/2018	7.31
9/14/2018	7.55
3/19/2019	7.2

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

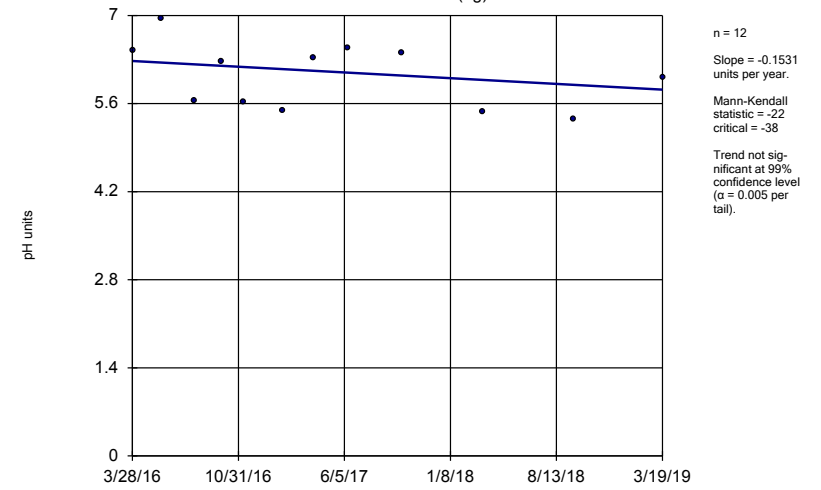
	GWA-3 (bg)
3/23/2016	5.96
5/23/2016	5.73
7/29/2016	5.51
9/22/2016	5.45
11/10/2016	5.51
1/31/2017	5.42
3/30/2017	5.43
6/12/2017	5.47
10/4/2017	5.23
3/19/2018	5.4
9/17/2018	5.22
3/20/2019	5.22

Sen's Slope Estimator  
GWA-50 (bg)



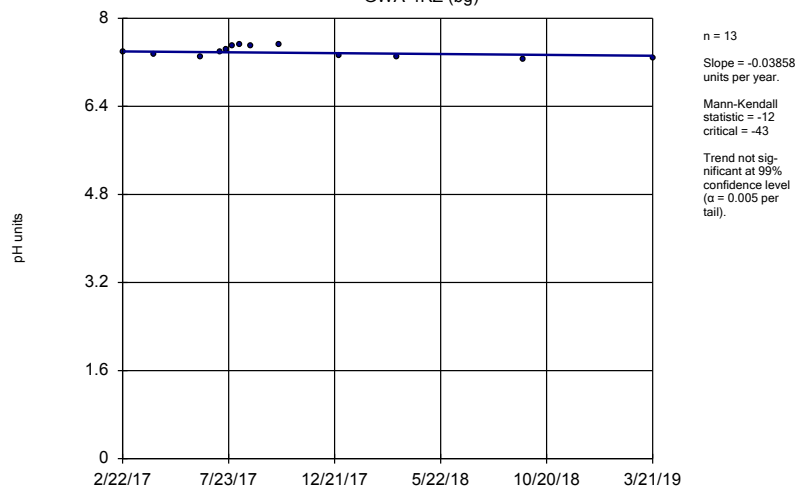
Constituent: pH Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-50R (bg)



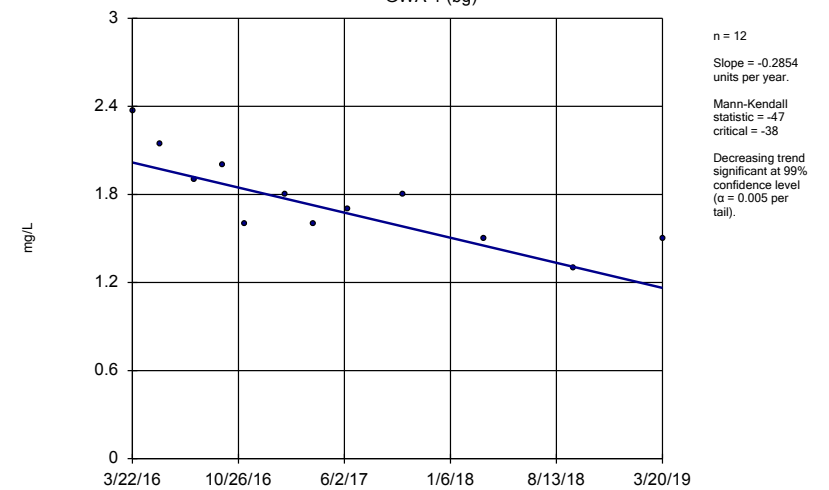
Constituent: pH Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-4RZ (bg)



Constituent: pH Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-1 (bg)



Constituent: Sulfate Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWA-50 (bg)

3/28/2016	6.22
5/23/2016	5.86
8/1/2016	6.39
9/26/2016	5.74
11/10/2016	5.78
1/30/2017	5.88
4/7/2017	5.94
6/12/2017	5.81
10/2/2017	5.93
3/16/2018	5.64
9/17/2018	5.82
3/19/2019	5.93

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWA-50R (bg)

3/28/2016	6.45 (D)
5/25/2016	6.96
8/1/2016	5.64
9/26/2016	6.26
11/11/2016	5.62
1/30/2017	5.49
4/3/2017	6.32
6/12/2017	6.48
10/2/2017	6.41
3/16/2018	5.46
9/18/2018	5.35
3/19/2019	6.01

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWA-4RZ (bg)

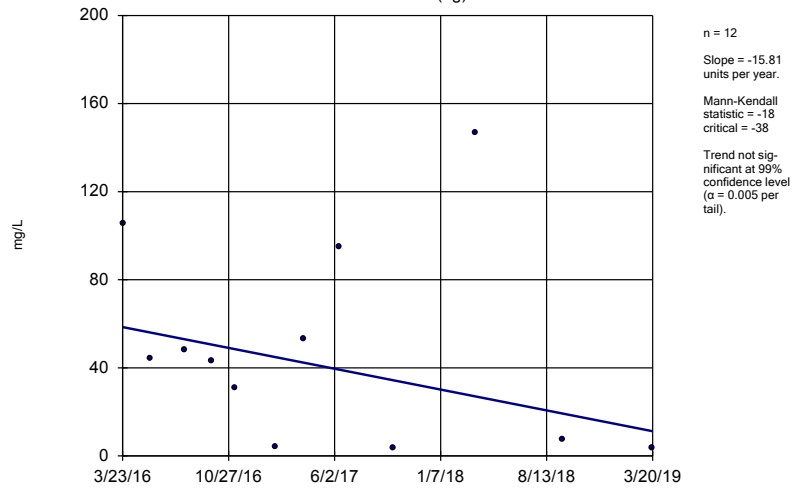
2/22/2017	7.38
4/7/2017	7.35
6/14/2017	7.3
7/12/2017	7.39
7/20/2017	7.44
7/28/2017	7.5
8/9/2017	7.52
8/24/2017	7.5
10/3/2017	7.51
12/28/2017	7.32 (Y)
3/21/2018	7.3
9/18/2018	7.26
3/21/2019	7.28

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

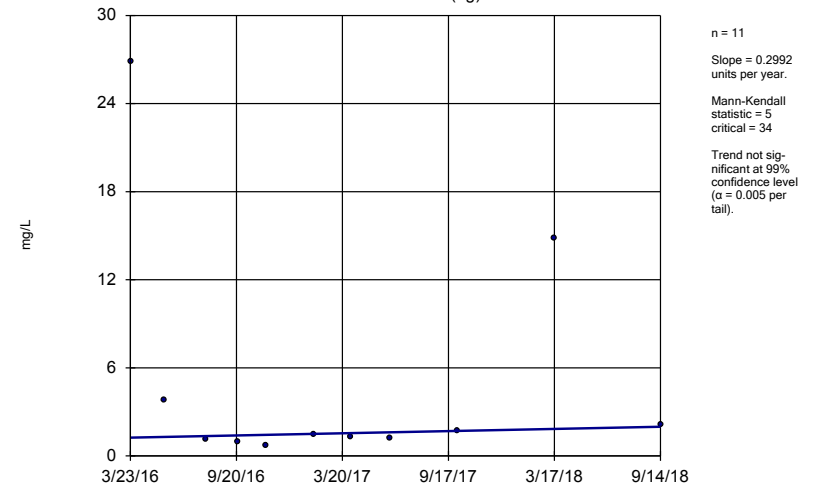
	GWA-1 (bg)
3/22/2016	2.3685
5/19/2016	2.14
7/29/2016	1.9
9/23/2016	2
11/9/2016	1.6
1/30/2017	1.8
3/30/2017	1.6
6/9/2017	1.7
10/2/2017	1.8
3/16/2018	1.5
9/17/2018	1.3 (D)
3/20/2019	1.5

Sen's Slope Estimator  
GWA-2 (bg)



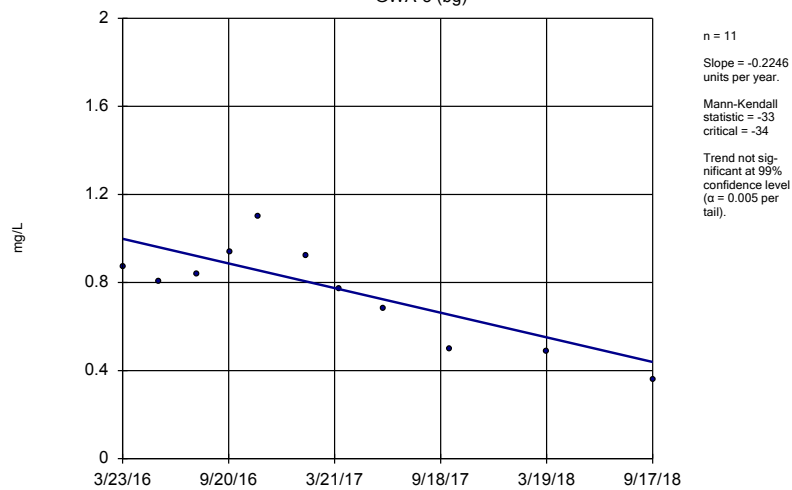
Constituent: Sulfate Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-2R (bg)



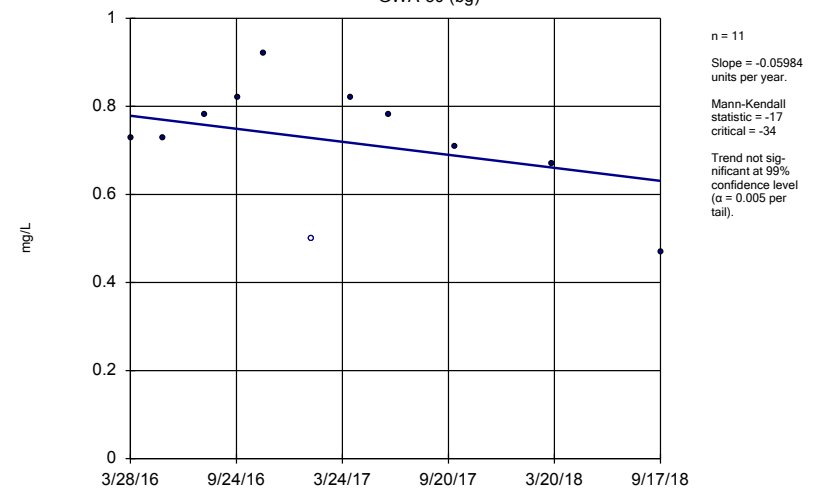
Constituent: Sulfate Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-3 (bg)



Constituent: Sulfate Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWA-50 (bg)



Constituent: Sulfate Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2 (bg)
3/23/2016	105.552
5/20/2016	44.3
7/29/2016	48
9/23/2016	43
11/9/2016	31
1/31/2017	4.2
3/30/2017	53
6/12/2017	95
10/2/2017	3.5
3/19/2018	147
9/14/2018	7.7
3/20/2019	3.6

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R (bg)
3/23/2016	26.8249
5/19/2016	3.81
7/29/2016	1.1
9/22/2016	0.96 (J)
11/10/2016	0.72 (J)
1/31/2017	1.5
4/3/2017	1.3
6/9/2017	1.2
10/2/2017	1.7
3/16/2018	14.8 (J)
9/14/2018	2.1
3/19/2019	32.5 (X)

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

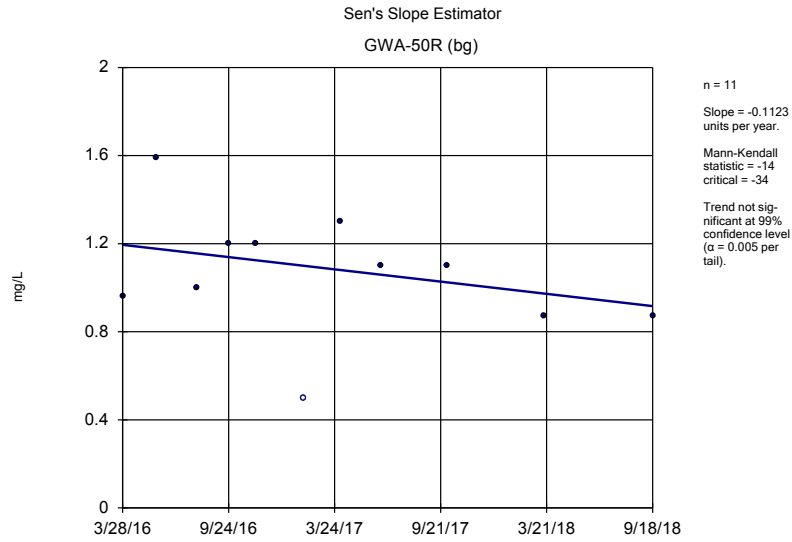
	GWA-3 (bg)
3/23/2016	0.8724 (J)
5/23/2016	0.805 (J)
7/29/2016	0.84 (J)
9/22/2016	0.94 (J)
11/10/2016	1.1
1/31/2017	0.92 (J)
3/30/2017	0.77 (J)
6/12/2017	0.68 (J)
10/4/2017	0.5 (J)
3/19/2018	0.49 (J)
9/17/2018	0.36 (J)
3/20/2019	0.38 (X)



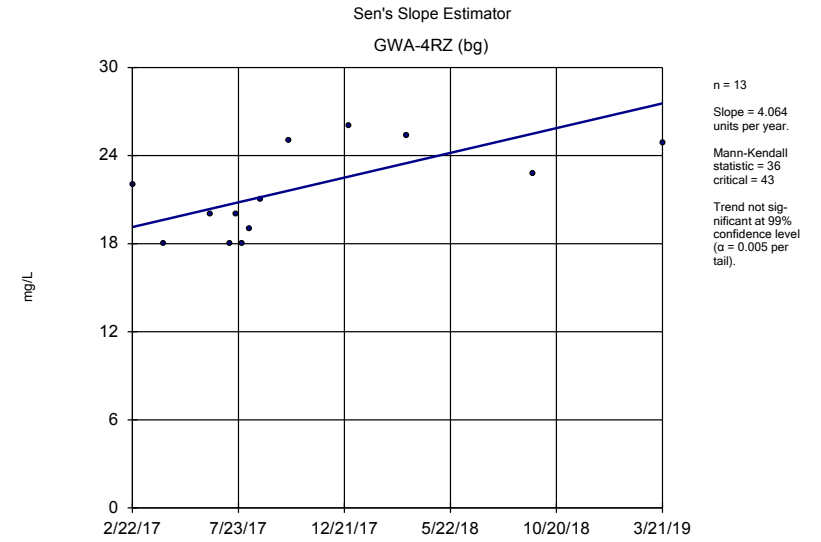
# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

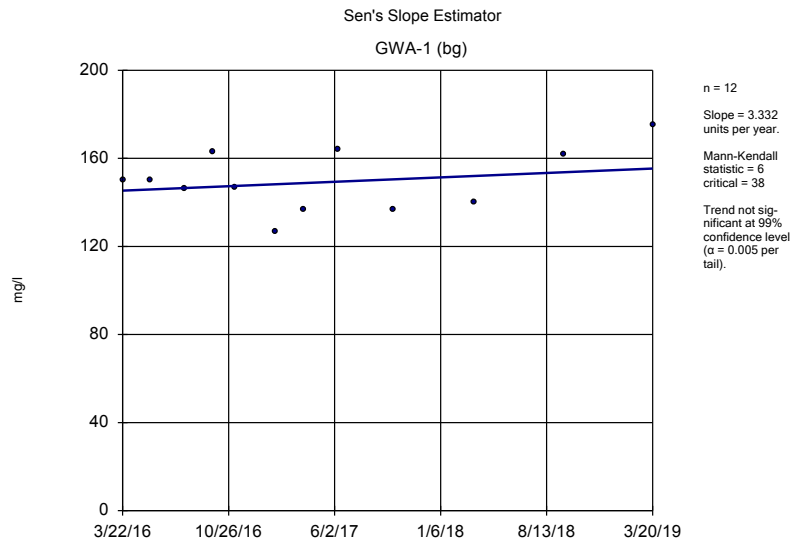
	GWA-50 (bg)
3/28/2016	0.7283 (J)
5/23/2016	0.728 (J)
8/1/2016	0.78 (J)
9/26/2016	0.82 (J)
11/10/2016	0.92 (J)
1/30/2017	<1 (*)
4/7/2017	0.82 (J)
6/12/2017	0.78 (J)
10/2/2017	0.71 (J)
3/16/2018	0.67 (J)
9/17/2018	0.47 (J)
3/19/2019	0.52 (X)



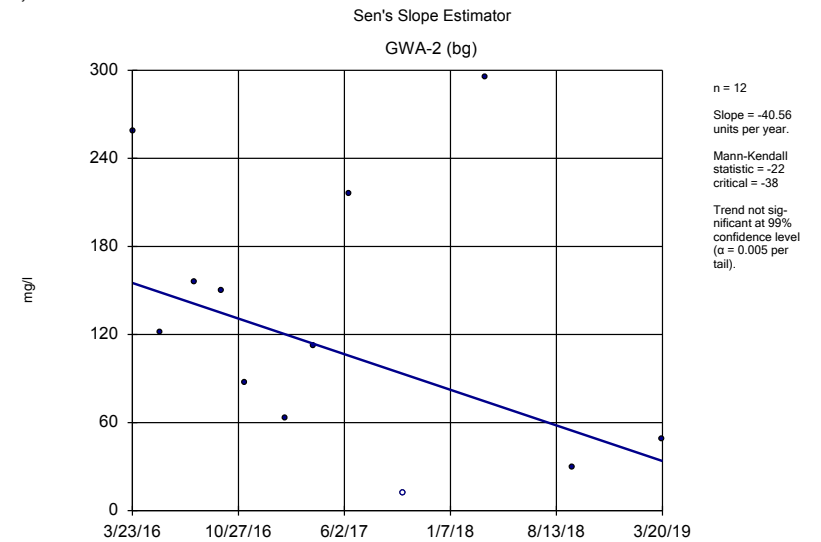
Constituent: Sulfate Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Sulfate Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)
3/28/2016	0.9594 (J)
5/25/2016	1.59
8/1/2016	1
9/26/2016	1.2
11/11/2016	1.2
1/30/2017	<1 (*)
4/3/2017	1.3
6/12/2017	1.1
10/2/2017	1.1
3/16/2018	0.87 (J)
9/18/2018	0.87 (J)
3/19/2019	0.97 (X)

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWA-4RZ (bg)

2/22/2017	22
4/7/2017	18
6/14/2017	20
7/12/2017	18
7/20/2017	20
7/28/2017	18
8/9/2017	19
8/24/2017	21
10/3/2017	25
12/28/2017	26 (Y)
3/21/2018	25.4
9/18/2018	22.8
3/21/2019	24.9

# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWA-1 (bg)

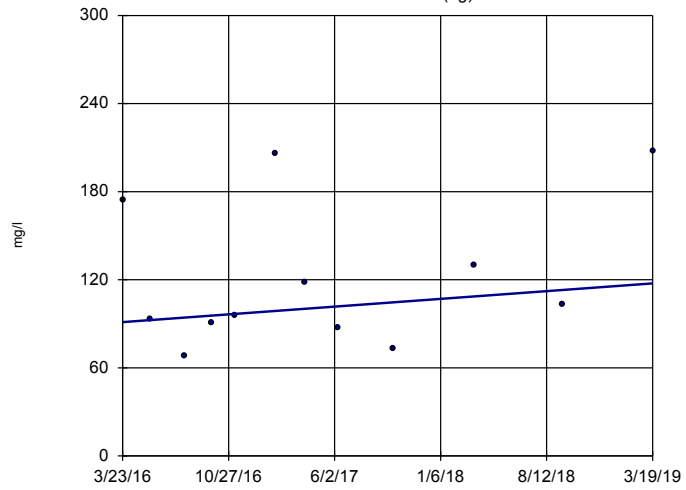
3/22/2016	150
5/19/2016	150
7/29/2016	146
9/23/2016	163
11/9/2016	147
1/30/2017	127
3/30/2017	137
6/9/2017	164
10/2/2017	137
3/16/2018	140
9/17/2018	162
3/20/2019	175

# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2 (bg)
3/23/2016	259
5/20/2016	122
7/29/2016	156
9/23/2016	150
11/9/2016	87
1/31/2017	63
3/30/2017	112
6/12/2017	216
10/2/2017	<25
3/19/2018	295
9/14/2018	30
3/20/2019	49

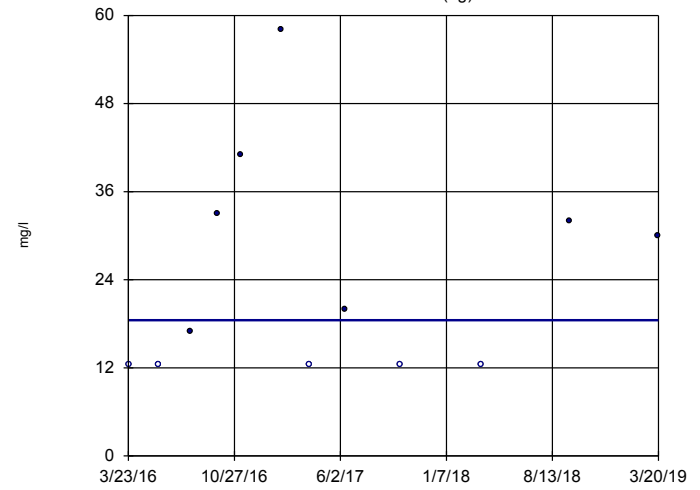
### Sen's Slope Estimator GWA-2R (bg)



n = 12  
 Slope = 8.816  
 units per year.  
 Mann-Kendall  
 statistic = 12  
 critical = 38  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:26 AM View: sens slope background  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

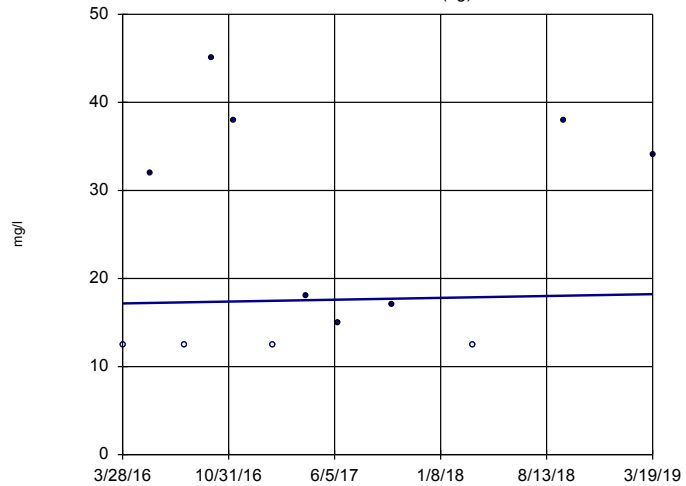
### Sen's Slope Estimator GWA-3 (bg)



n = 12  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 8  
 critical = 38  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:26 AM View: sens slope background  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

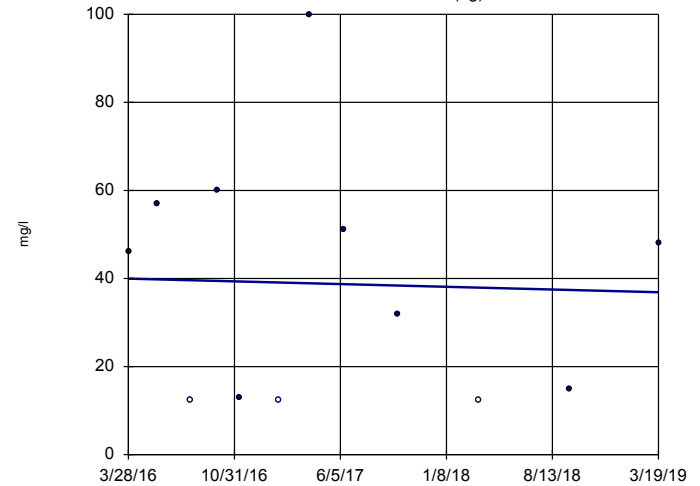
### Sen's Slope Estimator GWA-50 (bg)



n = 12  
 Slope = 0.3544  
 units per year.  
 Mann-Kendall  
 statistic = 7  
 critical = 38  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:26 AM View: sens slope background  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

### Sen's Slope Estimator GWA-50R (bg)



n = 12  
 Slope = -1.035  
 units per year.  
 Mann-Kendall  
 statistic = -5  
 critical = -38  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:26 AM View: sens slope background  
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R (bg)
3/23/2016	174
5/19/2016	93
7/29/2016	68
9/22/2016	91
11/10/2016	96
1/31/2017	206
4/3/2017	118
6/9/2017	87
10/2/2017	73
3/16/2018	130
9/14/2018	103
3/19/2019	208



# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWA-3 (bg)

3/23/2016	<25
5/23/2016	<25
7/29/2016	17 (J)
9/22/2016	33
11/10/2016	41
1/31/2017	58
3/30/2017	<25
6/12/2017	20 (J)
10/4/2017	<25
3/19/2018	<25
9/17/2018	32
3/20/2019	30

# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

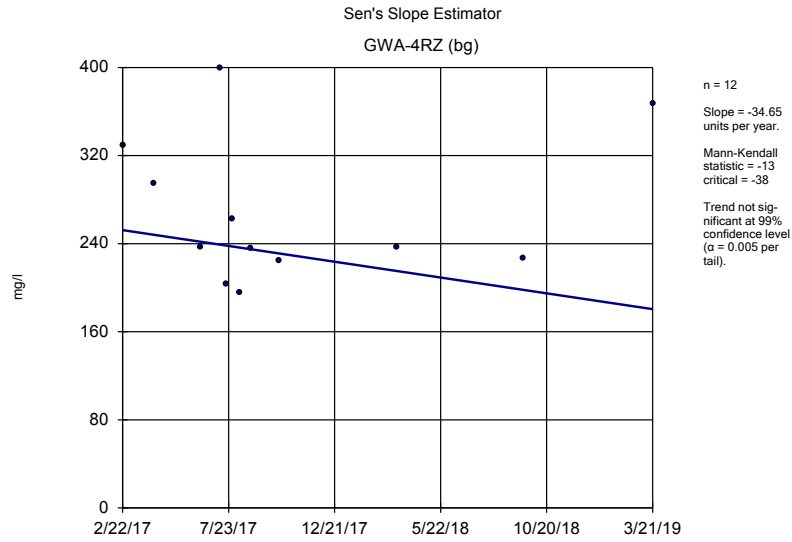
GWA-50 (bg)

3/28/2016	<25
5/23/2016	32
8/1/2016	<25
9/26/2016	45
11/10/2016	38
1/30/2017	<25
4/7/2017	18 (J)
6/12/2017	15 (J)
10/2/2017	17 (J)
3/16/2018	<25
9/17/2018	38
3/19/2019	34

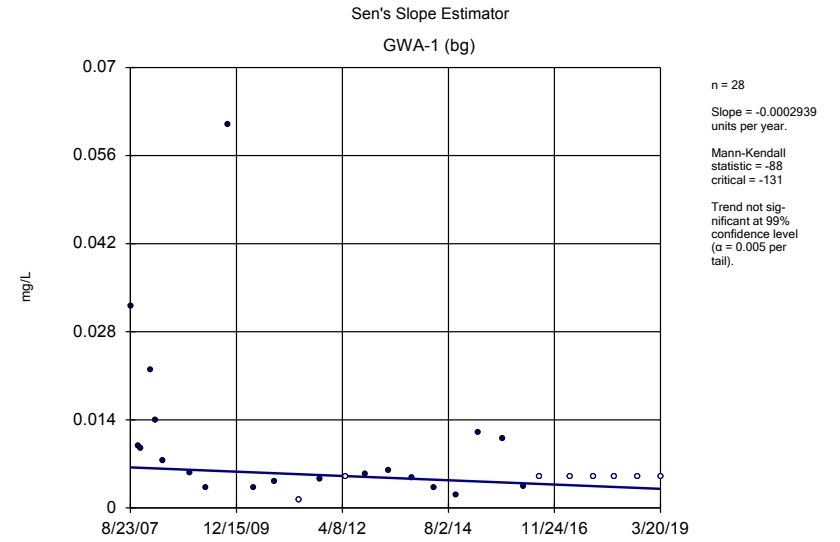
# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

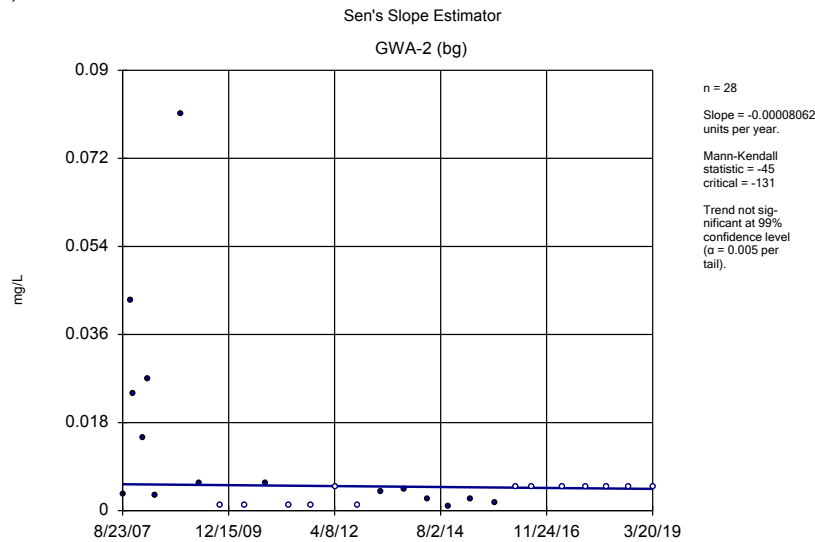
	GWA-50R (bg)
3/28/2016	46
5/25/2016	57
8/1/2016	<25
9/26/2016	60
11/11/2016	13 (J)
1/30/2017	<25
4/3/2017	100
6/12/2017	51
10/2/2017	32
3/16/2018	<25
9/18/2018	15 (J)
3/19/2019	48



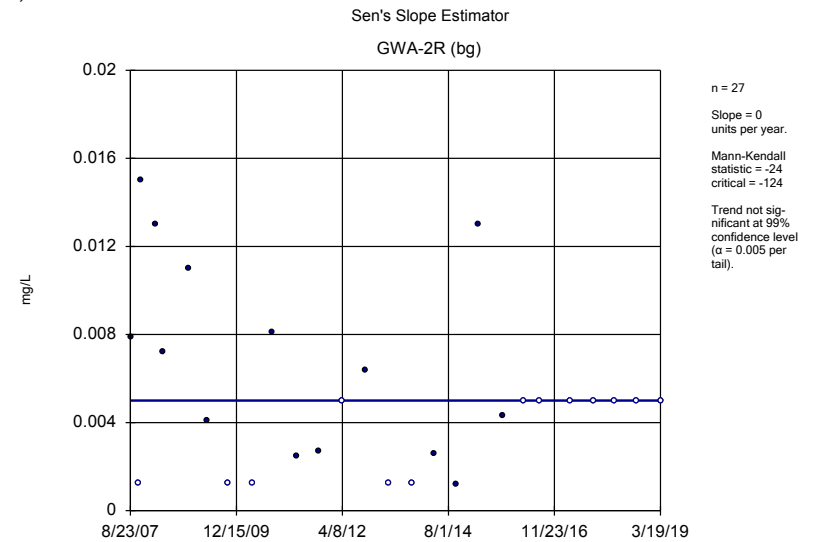
Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:26 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:27 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:27 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWA-4RZ (bg)

2/22/2017	329
4/7/2017	295
6/14/2017	237
7/12/2017	400
7/20/2017	203
7/28/2017	262
8/9/2017	195
8/24/2017	236
10/3/2017	224
3/21/2018	237
9/18/2018	227
3/21/2019	367

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)
8/23/2007	0.032
10/23/2007	0.0099
11/18/2007	0.0095 (J)
1/30/2008	0.022
3/10/2008	0.014
5/13/2008	0.0075
12/5/2008	0.0056 (J)
4/15/2009	0.0033
10/7/2009	0.061
5/3/2010	0.0033
10/12/2010	0.0041
4/27/2011	<0.0025
10/17/2011	0.0046
5/2/2012	<0.01
10/8/2012	0.0053
4/12/2013	0.006
10/16/2013	0.0048
4/11/2014	0.0033
9/30/2014	0.002 (J)
3/30/2015	0.012
10/13/2015	0.011
3/22/2016	0.00346 (J)
7/29/2016	<0.01 (*)
3/30/2017	<0.01 (*)
10/2/2017	<0.01
3/16/2018	<0.01
9/17/2018	<0.01 (D)
3/20/2019	<0.01

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2 (bg)
8/23/2007	0.0033
10/24/2007	0.043
11/18/2007	0.024
1/31/2008	0.015
3/11/2008	0.027
5/6/2008	0.0032
12/4/2008	0.081
4/21/2009	0.0057
10/7/2009	<0.0025
4/26/2010	<0.0025
10/4/2010	0.0057
4/13/2011	<0.0025
10/5/2011	<0.0025
4/11/2012	<0.01
10/9/2012	<0.0025
4/15/2013	0.0038
10/15/2013	0.0044
4/22/2014	0.0025 (J)
9/30/2014	0.00076 (J)
3/30/2015	0.0024 (J)
10/13/2015	0.0017 (J)
3/23/2016	<0.01
7/29/2016	<0.01 (*)
3/30/2017	<0.01 (*)
10/2/2017	<0.01
3/19/2018	<0.01
9/14/2018	<0.01
3/20/2019	<0.01

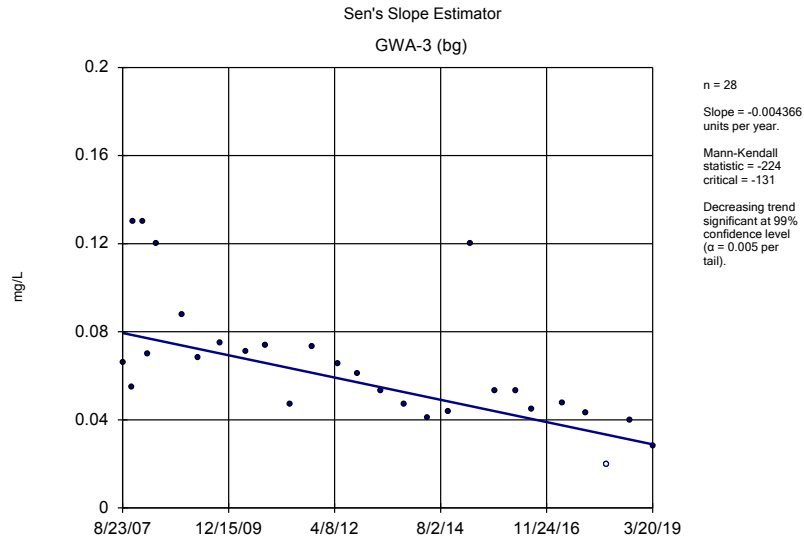
# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

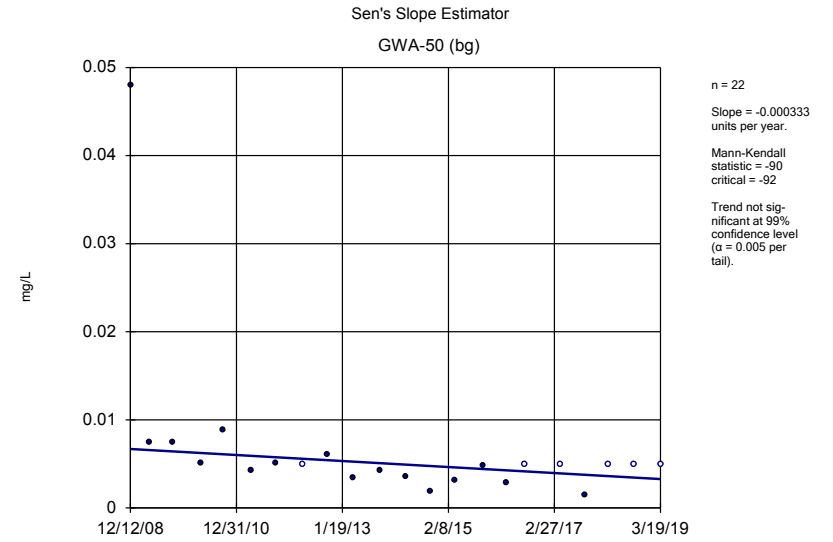
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R (bg)
8/23/2007	0.0079
10/24/2007	<0.0025
11/18/2007	0.015
1/31/2008	0.063 (O)
3/10/2008	0.013 (J)
5/13/2008	0.0072
12/4/2008	0.011 (J)
4/21/2009	0.0041
10/8/2009	<0.0025
4/21/2010	<0.0025
9/28/2010	0.0081
4/12/2011	0.0025
10/4/2011	0.0027
4/3/2012	<0.01
10/9/2012	0.0064
4/11/2013	<0.0025
10/16/2013	<0.0025
4/10/2014	0.0026
9/30/2014	0.0012 (J)
3/30/2015	0.013
10/13/2015	0.0043
3/23/2016	<0.01
7/29/2016	<0.01 (*)
4/3/2017	<0.01 (*)
10/2/2017	<0.01
3/16/2018	<0.01
9/14/2018	<0.01
3/19/2019	<0.01

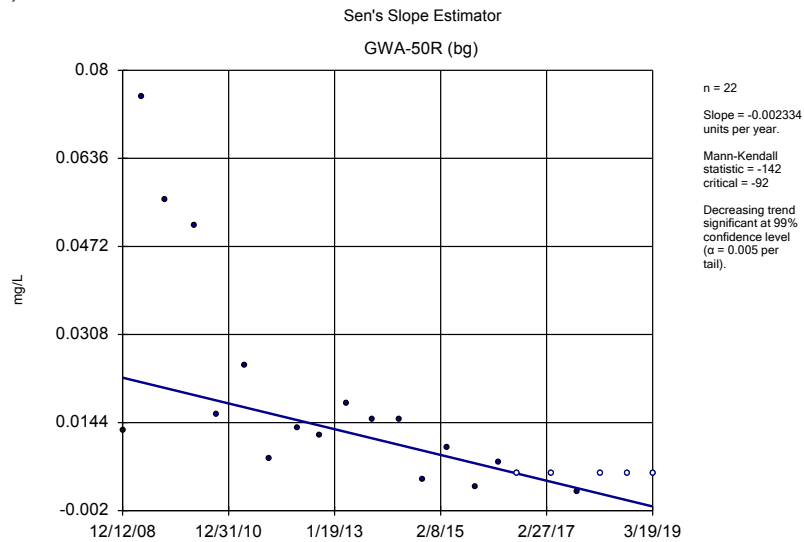




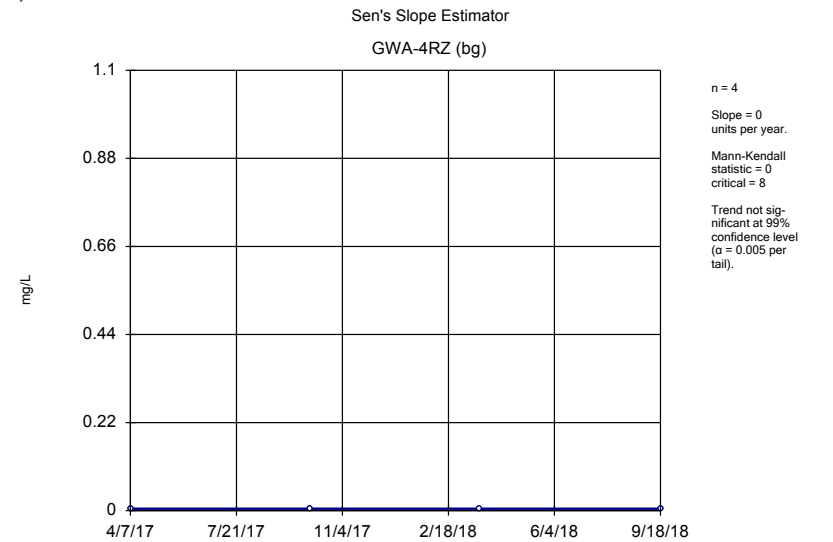
Constituent: Zinc Analysis Run 8/28/2019 10:27 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:27 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:27 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:27 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3 (bg)
8/23/2007	0.066
11/2/2007	0.055
11/18/2007	0.13
1/31/2008	0.13
3/11/2008	0.07
5/14/2008	0.12
12/5/2008	0.088
4/15/2009	0.068
10/8/2009	0.075
4/28/2010	0.071
10/6/2010	0.074
4/21/2011	0.047
10/13/2011	0.073
5/1/2012	0.0652
10/9/2012	0.061
4/11/2013	0.053
10/16/2013	0.047
4/23/2014	0.041
10/4/2014	0.044 (V)
3/31/2015	0.12
10/12/2015	0.053
3/23/2016	0.0532
7/29/2016	0.0446
3/30/2017	0.0479
10/4/2017	0.0429
3/19/2018	<0.04
9/17/2018	0.04
3/20/2019	0.028

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50 (bg)
12/12/2008	0.048 (J)
4/23/2009	0.0075
10/6/2009	0.0075
4/27/2010	0.0051
9/30/2010	0.0089
4/14/2011	0.0043
10/5/2011	0.0051
4/11/2012	<0.01
10/2/2012	0.006
4/9/2013	0.0034
10/15/2013	0.0042
4/10/2014	0.0035
10/1/2014	0.0019 (J)
3/30/2015	0.0032
10/11/2015	0.0048
3/28/2016	0.00282 (J)
8/1/2016	<0.01 (*)
4/7/2017	<0.01 (*)
10/2/2017	0.0015 (J)
3/16/2018	<0.01
9/17/2018	<0.01
3/19/2019	<0.01

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)
12/12/2008	0.013 (J)
4/23/2009	0.075
10/6/2009	0.056
5/3/2010	0.051
10/11/2010	0.016
4/27/2011	0.025
10/19/2011	0.0078
5/1/2012	0.0134
10/2/2012	0.012
4/10/2013	0.018
10/16/2013	0.015
4/22/2014	0.015
10/1/2014	0.0038
3/30/2015	0.0097
10/11/2015	0.0024 (J)
3/28/2016	0.00703 (J)
8/1/2016	<0.01 (*)
4/3/2017	<0.01 (*)
10/2/2017	0.0016 (J)
3/16/2018	<0.01
9/18/2018	<0.01
3/19/2019	<0.01

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:29 AM View: sens slope background  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWA-4RZ (bg)

4/7/2017	<0.01 (*)
10/3/2017	<0.01
3/21/2018	<0.01
9/18/2018	<0.01
3/21/2019	0.0034 (X)

# Trend Test - Significant Results

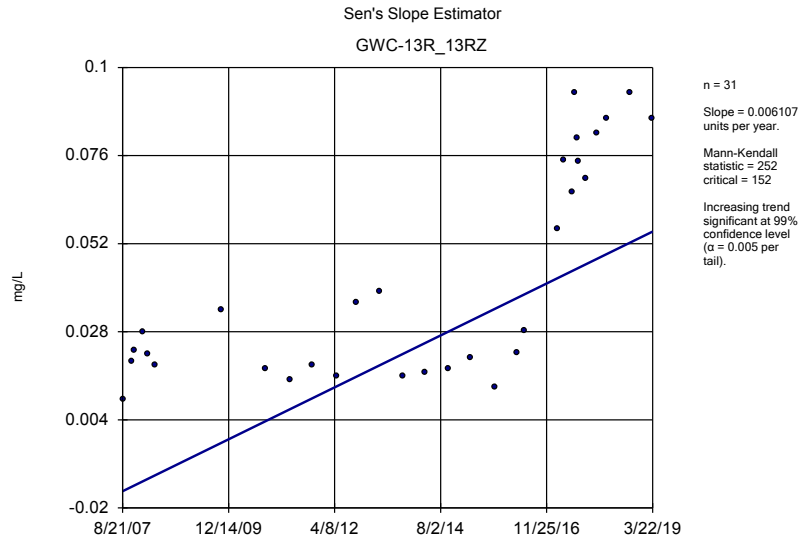
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 3:33 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
<b>Barium (mg/L)</b>	<b>GWC-13R_13RZ</b>	<b>0.006107</b>	<b>252</b>	<b>152</b>	<b>Yes</b>	<b>31</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>GWC-15R</b>	<b>1.521</b>	<b>42</b>	<b>38</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

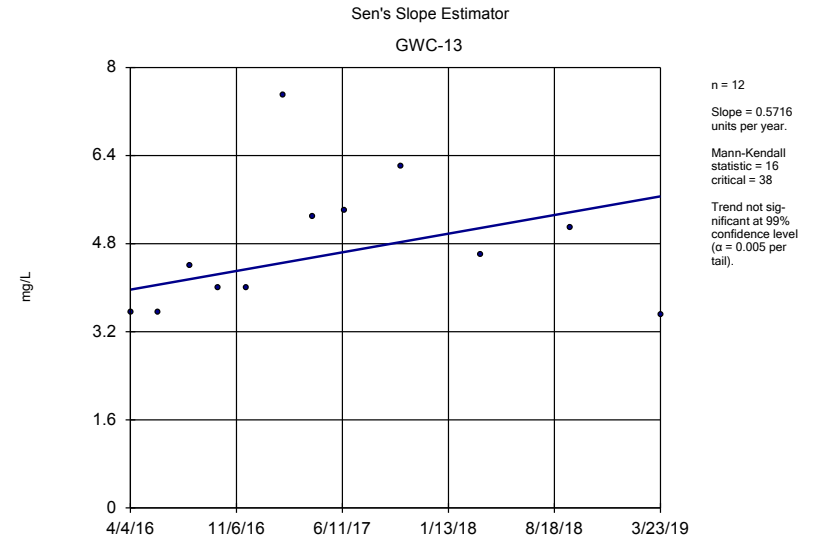
# Trend Test - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 8/28/2019, 3:33 PM

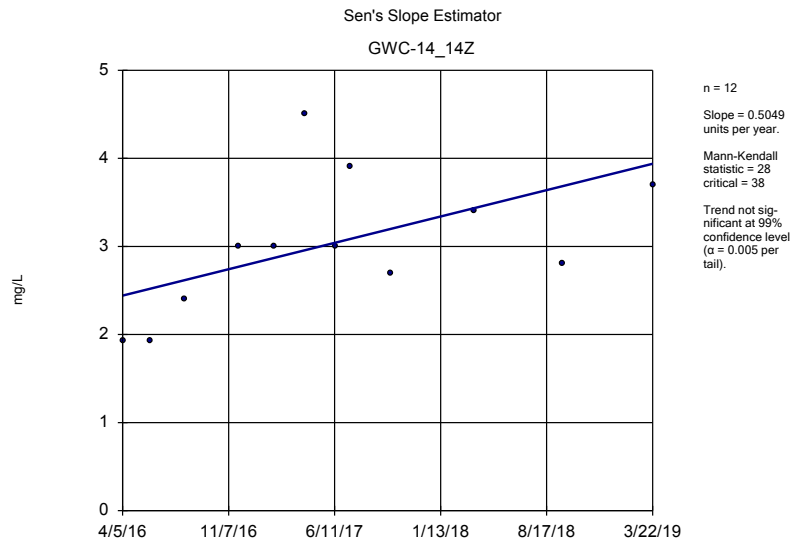
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
<b>Barium (mg/L)</b>	<b>GWC-13R_13RZ</b>	<b>0.006107</b>	<b>252</b>	<b>152</b>	<b>Yes</b>	<b>31</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	GWC-13	0.5716	16	38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-14_14Z	0.5049	28	38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-13R_13RZ	2.55	34	38	No	12	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-8RR	-0.0766	-25	-43	No	13	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-8Z	-0.211	-23	-38	No	12	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-9	-0.4293	-21	-38	No	12	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWC-15R</b>	<b>1.521</b>	<b>42</b>	<b>38</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Zinc (mg/L)	GWC-13	-0.00...	-66	-105	No	24	25	n/a	n/a	0.01	NP



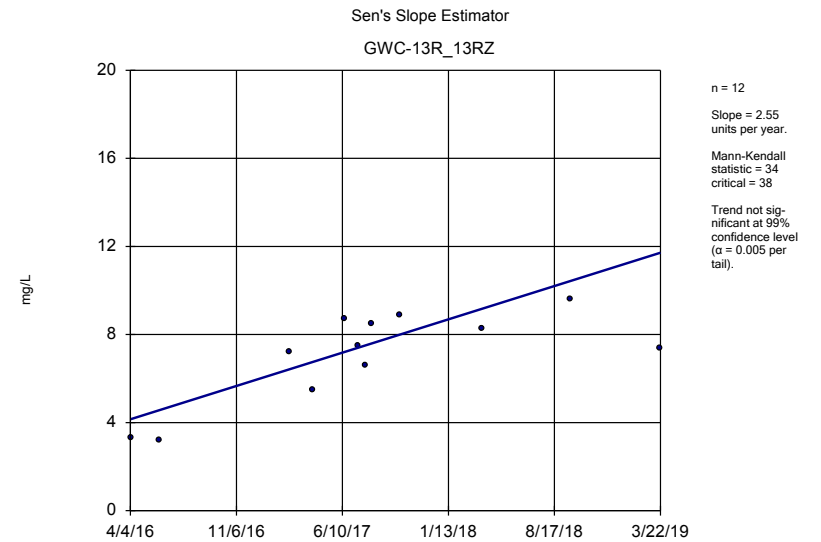
Constituent: Barium Analysis Run 8/28/2019 3:31 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Chloride Analysis Run 8/28/2019 3:31 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Chloride Analysis Run 8/28/2019 3:31 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Constituent: Chloride Analysis Run 8/28/2019 3:31 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 3:33 PM View: Sens slope - compliance wells

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWC-13R\_13RZ

8/21/2007	0.0095
11/1/2007	0.02
11/19/2007	0.023
1/31/2008	0.028
3/5/2008	0.022
5/7/2008	0.019
12/12/2008	0.19 (O)
4/29/2009	0.14 (O)
10/21/2009	0.034
4/28/2010	0.11 (O)
10/6/2010	0.018
4/20/2011	0.015
10/12/2011	0.019
4/25/2012	0.0158
10/2/2012	0.036
4/2/2013	0.039
10/8/2013	0.016
4/1/2014	0.017
10/1/2014	0.018
3/31/2015	0.021
10/14/2015	0.013
4/4/2016	0.0222
6/1/2016	0.0283
2/22/2017	0.0561
4/11/2017	0.0748
6/16/2017	0.0661
7/12/2017	0.0932
7/28/2017	0.0808
8/10/2017	0.0743
10/6/2017	0.0699
12/28/2017	0.082 (Y)
3/23/2018	0.086
9/20/2018	0.093
3/22/2019	0.086 (D)

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 3:33 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13
4/4/2016	3.55
5/31/2016	3.55
8/4/2016	4.4
9/29/2016	4
11/28/2016	4
2/9/2017	7.5
4/12/2017	5.3
6/16/2017	5.4
10/9/2017	6.2
3/21/2018	4.6
9/19/2018	5.1
3/23/2019	3.5

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 3:33 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWC-14\_14Z

4/5/2016	1.93
6/1/2016	1.93
8/9/2016	2.4
11/28/2016	3
2/9/2017	3
4/11/2017	4.5
6/14/2017	3
7/12/2017	3.9
10/5/2017	2.7
3/22/2018	3.4
9/19/2018	2.8
3/22/2019	3.7 (D)

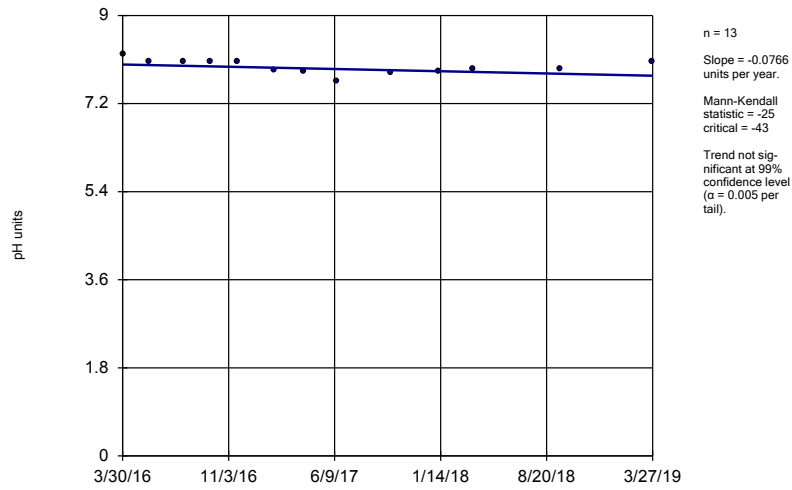
# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 3:33 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWC-13R\_13RZ

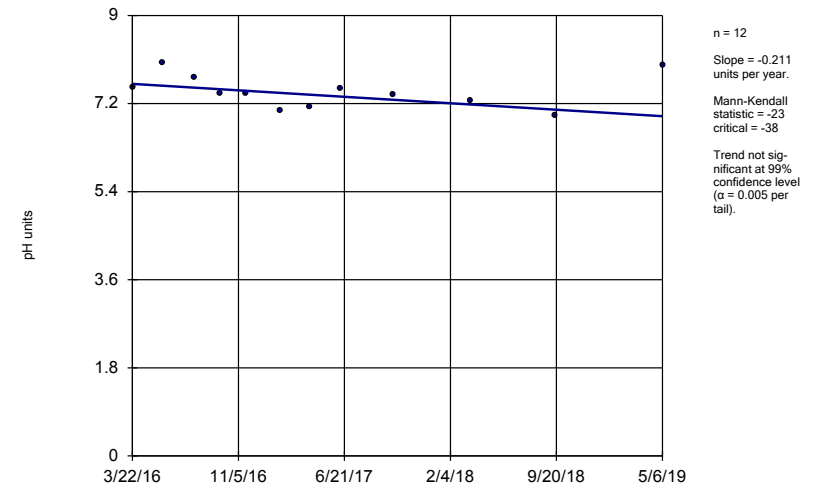
4/4/2016	3.3
6/1/2016	3.18
2/22/2017	7.2
4/11/2017	5.5
6/16/2017	8.7
7/12/2017	7.5
7/28/2017	6.6
8/10/2017	8.5
10/6/2017	8.9
3/23/2018	8.3
9/20/2018	9.6
3/22/2019	7.4 (D)

Sen's Slope Estimator  
GWC-8RR



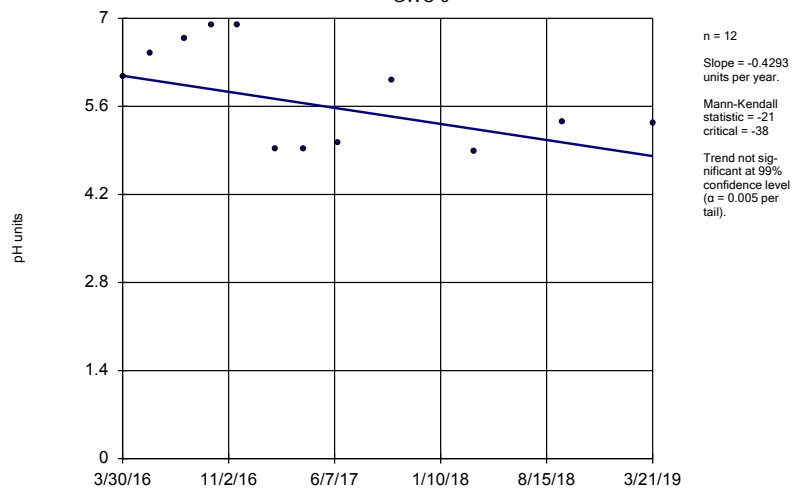
Constituent: pH Analysis Run 8/28/2019 3:31 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWC-8Z



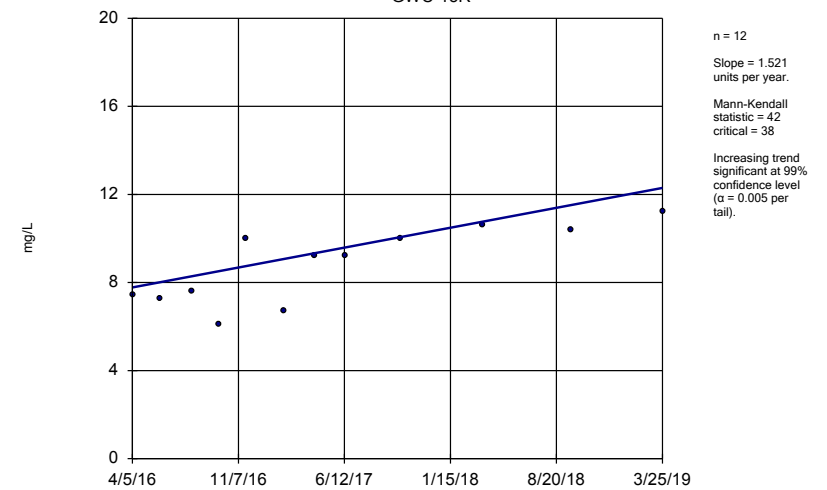
Constituent: pH Analysis Run 8/28/2019 3:32 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWC-9



Constituent: pH Analysis Run 8/28/2019 3:32 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator  
GWC-15R



Constituent: Sulfate Analysis Run 8/28/2019 3:32 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 3:33 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

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	GWC-8RR
3/30/2016	8.2
5/24/2016	8.07
8/2/2016	8.07
9/27/2016	8.06
11/22/2016	8.07
2/6/2017	7.88
4/6/2017	7.86
6/14/2017	7.66
10/4/2017	7.84
1/9/2018	7.86 (Y)
3/21/2018	7.9
9/18/2018	7.92
3/27/2019	8.07

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 3:33 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

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	GWC-8Z
3/22/2016	7.53 (D)
5/25/2016	8.04
8/2/2016	7.74
9/26/2016	7.4
11/21/2016	7.4
2/3/2017	7.05
4/7/2017	7.14
6/13/2017	7.52
10/3/2017	7.38
3/20/2018	7.27
9/18/2018	6.95
5/6/2019	7.98

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 3:33 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9
3/30/2016	6.07
5/26/2016	6.44
8/5/2016	6.67
9/28/2016	6.89
11/21/2016	6.89
2/6/2017	4.93
4/6/2017	4.92
6/13/2017	5.03
10/3/2017	6.01
3/20/2018	4.88
9/18/2018	5.36 (D)
3/21/2019	5.33



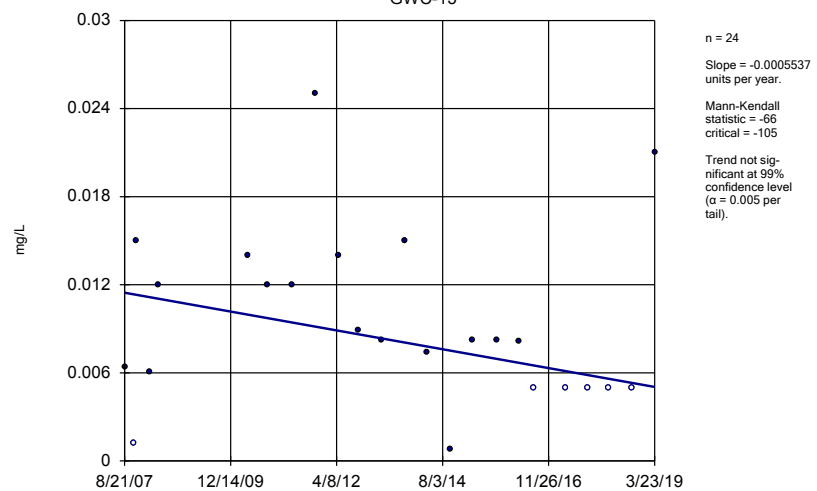
# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 3:33 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GWC-15R

4/5/2016	7.45
5/31/2016	7.29
8/4/2016	7.6
9/29/2016	6.1
11/23/2016	10
2/10/2017	6.7
4/12/2017	9.2
6/15/2017	9.2
10/6/2017	10
3/23/2018	10.6
9/19/2018	10.4
3/25/2019	11.2

Sen's Slope Estimator  
GWC-13



Constituent: Zinc Analysis Run 8/28/2019 3:32 PM View: Sens slope - compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 3:33 PM View: Sens slope - compliance wells

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13
8/21/2007	0.0064
11/1/2007	<0.0025
11/19/2007	0.015
1/31/2008	0.032 (o)
3/5/2008	0.0061
5/12/2008	0.012
12/13/2008	0.087 (o)
4/28/2009	0.067 (o)
10/21/2009	0.025 (o)
4/28/2010	0.014
10/5/2010	0.012
4/19/2011	0.012
10/18/2011	0.025
4/25/2012	0.014
10/2/2012	0.0089
4/2/2013	0.0082
10/8/2013	0.015
4/1/2014	0.0074
10/1/2014	0.00077 (J)
4/1/2015	0.0082
10/15/2015	0.0082
4/4/2016	0.00818 (J)
8/4/2016	<0.01 (*)
4/12/2017	<0.01 (*)
10/9/2017	<0.01
3/21/2018	<0.01
9/19/2018	<0.01
3/23/2019	0.021

# Intrawell Prediction Limit Summary Table – Metals Cells 3&4 Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/26/2019, 4:35 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
<b>Antimony (mg/L)</b>	<b>GWC-16R</b>	<b>0.019</b>	<b>n/a</b>	<b>3/11/2019</b>	<b>0.02</b>	<b>Yes</b>	<b>20</b>	<b>50</b>	<b>n/a</b>	<b>0.004291</b>	NP (normality) 1 of 2
<b>Barium (mg/L)</b>	<b>GWA-56</b>	<b>0.037</b>	<b>n/a</b>	<b>3/7/2019</b>	<b>0.042</b>	<b>Yes</b>	<b>20</b>	<b>5</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 2

# Intrawell Prediction Limit Summary Table – Metals Cells 3&4 All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/26/2019, 4:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	GWA-36	0.0032	n/a	3/6/2019	0.0015ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-36R	0.0030	n/a	3/7/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-37	0.0052	n/a	n/a	1 future	n/a	20	45	n/a	0.004291	NP (normality) 1 of 2
Antimony (mg/L)	GWA-38	0.0030	n/a	3/7/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-52	0.0030	n/a	3/7/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-53	0.0025	n/a	3/8/2019	0.0015ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-53R	0.0034	n/a	n/a	1 future	n/a	20	60	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-54	0.0025	n/a	3/7/2019	0.0015ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-55	0.0025	n/a	3/8/2019	0.0015ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-55R	0.0025	n/a	3/7/2019	0.0015ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-56	0.0025	n/a	3/7/2019	0.0015ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
<b>Antimony (mg/L)</b>	<b>GWC-16R</b>	<b>0.019</b>	<b>n/a</b>	<b>3/11/2019</b>	<b>0.02</b>	<b>Yes</b>	<b>20</b>	<b>50</b>	<b>n/a</b>	<b>0.004291</b>	<b>NP (normality) 1 of 2</b>
Antimony (mg/L)	GWC-17R	0.0050	n/a	3/12/2019	0.0015ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.0030	n/a	3/12/2019	0.0015ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-18R	0.0050	n/a	n/a	1 future	n/a	20	85	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-19R	0.0030	n/a	3/12/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-20R	0.0030	n/a	3/12/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-21R	0.0064	n/a	n/a	1 future	n/a	20	50	n/a	0.004291	NP (normality) 1 of 2
Antimony (mg/L)	GWC-22R	0.0030	n/a	3/11/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-23R	0.0030	n/a	3/12/2019	0.0015ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-24R	0.027	n/a	3/8/2019	0.0015ND	No	20	55	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-25R	0.023	n/a	3/8/2019	0.0015ND	No	20	65	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-51R_51RZ	0.0046	n/a	3/8/2019	0.0015ND	No	20	65	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-36	0.0050	n/a	3/6/2019	0.0025ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-36R	0.0036	n/a	3/7/2019	0.0025ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-37	0.0025	n/a	3/6/2019	0.0025ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-38	0.0062	n/a	3/7/2019	0.0025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-52	0.0025	n/a	3/7/2019	0.0025ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-53	0.0025	n/a	3/8/2019	0.0025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-53R	0.0025	n/a	3/12/2019	0.0025ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-54	0.0025	n/a	3/7/2019	0.0025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-55	0.0025	n/a	3/8/2019	0.0025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-55R	0.0028	n/a	3/7/2019	0.0025ND	No	20	75	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-56	0.0025	n/a	n/a	1 future	n/a	20	70	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-16R	0.089	n/a	3/11/2019	0.0025ND	No	20	65	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-17R	0.0050	n/a	3/12/2019	0.0025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.0025	n/a	3/12/2019	0.0025ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-18R	0.0050	n/a	3/12/2019	0.0025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-19R	0.0025	n/a	3/12/2019	0.0025ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-20R	0.0025	n/a	3/12/2019	0.0025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-21R	0.015	n/a	n/a	1 future	n/a	20	65	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-22R	0.0025	n/a	n/a	1 future	n/a	20	80	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-23R	0.0025	n/a	3/12/2019	0.0025ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-24R	0.0025	n/a	3/8/2019	0.0025ND	No	20	75	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-25R	0.0050	n/a	3/8/2019	0.0025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-51R_51RZ	0.028	n/a	3/8/2019	0.0025ND	No	20	35	x^(1/3)	0.000...	Param 1 of 2
Barium (mg/L)	GWA-36	0.022	n/a	3/6/2019	0.018	No	20	5	No	0.000...	Param 1 of 2
Barium (mg/L)	GWA-36R	0.034	n/a	3/7/2019	0.018	No	20	0	No	0.000...	Param 1 of 2
Barium (mg/L)	GWA-37	0.014	n/a	n/a	1 future	n/a	20	0	No	0.000...	Param 1 of 2
Barium (mg/L)	GWA-38	0.030	n/a	3/7/2019	0.011	No	20	0	n/a	0.004291	NP (normality) 1 of 2

# Intrawell Prediction Limit Summary Table – Metals Cells 3&4 All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/26/2019, 4:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Barium (mg/L)	GWA-52	0.049	n/a	3/7/2019	0.025	No	20	5	No	0.000...	Param 1 of 2
Barium (mg/L)	GWA-53	0.053	n/a	3/8/2019	0.012	No	20	5	ln(x)	0.000...	Param 1 of 2
Barium (mg/L)	GWA-53R	0.016	n/a	3/12/2019	0.016	No	20	0	No	0.000...	Param 1 of 2
Barium (mg/L)	GWA-54	0.058	n/a	3/7/2019	0.039	No	20	5	n/a	0.004291	NP (normality) 1 of 2
Barium (mg/L)	GWA-55	0.037	n/a	3/8/2019	0.027	No	20	5	No	0.000...	Param 1 of 2
Barium (mg/L)	GWA-55R	0.088	n/a	3/7/2019	0.033	No	20	5	No	0.000...	Param 1 of 2
<b>Barium (mg/L)</b>	<b>GWA-56</b>	<b>0.037</b>	<b>n/a</b>	<b>3/7/2019</b>	<b>0.042</b>	<b>Yes</b>	<b>20</b>	<b>5</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 2
Barium (mg/L)	GWC-16R	0.079	n/a	3/11/2019	0.044	No	20	0	sqrt(x)	0.000...	Param 1 of 2
Barium (mg/L)	GWC-17R	0.026	n/a	3/12/2019	0.021	No	20	0	n/a	0.004291	NP (normality) 1 of 2
Barium (mg/L)	GWC-18	0.047	n/a	3/12/2019	0.014	No	20	0	No	0.000...	Param 1 of 2
Barium (mg/L)	GWC-18R	0.034	n/a	3/12/2019	0.014	No	20	5	n/a	0.004291	NP (normality) 1 of 2
Barium (mg/L)	GWC-19R	0.018	n/a	3/12/2019	0.016	No	20	0	No	0.000...	Param 1 of 2
Barium (mg/L)	GWC-20R	0.036	n/a	3/12/2019	0.03	No	20	0	No	0.000...	Param 1 of 2
Barium (mg/L)	GWC-21R	0.038	n/a	3/11/2019	0.015	No	20	0	n/a	0.004291	NP (normality) 1 of 2
Barium (mg/L)	GWC-22R	0.065	n/a	3/11/2019	0.048	No	19	0	No	0.000...	Param 1 of 2
Barium (mg/L)	GWC-23R	0.042	n/a	3/12/2019	0.022	No	20	0	No	0.000...	Param 1 of 2
Barium (mg/L)	GWC-24R	0.04	n/a	3/8/2019	0.02	No	20	0	x^(1/3)	0.000...	Param 1 of 2
Barium (mg/L)	GWC-25R	0.017	n/a	3/8/2019	0.017	No	20	0	n/a	0.004291	NP (normality) 1 of 2
Barium (mg/L)	GWA-51R_51RZ	0.034	n/a	3/8/2019	0.015	No	20	0	No	0.000...	Param 1 of 2
Beryllium (mg/L)	GWA-36	0.0015	n/a	n/a	1 future	n/a	20	35	n/a	0.004291	NP (normality) 1 of 2
Beryllium (mg/L)	GWA-36R	0.0028	n/a	n/a	1 future	n/a	20	50	sqrt(x)	0.000...	Param 1 of 2
Beryllium (mg/L)	GWA-37	0.0015	n/a	3/6/2019	0.0015ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-38	0.0015	n/a	3/7/2019	0.0015ND	No	20	70	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-52	0.0030	n/a	3/7/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-53	0.0030	n/a	n/a	1 future	n/a	20	100	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-53R	0.0020	n/a	3/12/2019	0.0015ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-54	0.0030	n/a	3/7/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-55	0.0020	n/a	3/8/2019	0.0015ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-55R	0.0020	n/a	3/7/2019	0.0015ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-56	0.0025	n/a	3/7/2019	0.0015ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-16R	0.0030	n/a	3/11/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-17R	0.0030	n/a	3/12/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-18	0.0025	n/a	3/12/2019	0.0015ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-18R	0.0025	n/a	3/12/2019	0.0015ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-19R	0.0025	n/a	3/12/2019	0.0015ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-20R	0.0025	n/a	3/12/2019	0.0015ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-21R	0.0030	n/a	3/11/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-22R	0.0030	n/a	3/11/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-23R	0.0030	n/a	3/12/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-24R	0.0030	n/a	3/8/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-25R	0.0030	n/a	3/8/2019	0.0015ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-51R_51RZ	0.0020	n/a	3/8/2019	0.0015ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-36	0.0014	n/a	3/6/2019	0.0013	No	20	15	No	0.000...	Param 1 of 2
Cadmium (mg/L)	GWA-36R	0.00077	n/a	n/a	1 future	n/a	20	40	No	0.000...	Param 1 of 2
Cadmium (mg/L)	GWA-37	0.00065	n/a	n/a	1 future	n/a	20	90	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-38	0.00065	n/a	3/7/2019	0.0005ND	No	20	70	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-52	0.0010	n/a	3/7/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-53	0.0010	n/a	3/8/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-53R	0.0010	n/a	3/12/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-54	0.0010	n/a	3/7/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2

# Intrawell Prediction Limit Summary Table – Metals Cells 3&4 All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/26/2019, 4:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Cadmium (mg/L)	GWA-55	0.0010	n/a	3/8/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-55R	0.0010	n/a	3/7/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-56	0.0010	n/a	3/7/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-16R	0.0010	n/a	3/11/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-17R	0.0010	n/a	3/12/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.050	n/a	3/12/2019	0.0005ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-18R	0.0010	n/a	3/12/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-19R	0.0010	n/a	3/12/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-20R	0.0010	n/a	3/12/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-21R	0.050	n/a	3/11/2019	0.0005ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-22R	0.050	n/a	3/11/2019	0.0005ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-23R	0.0010	n/a	3/12/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-24R	0.0010	n/a	3/8/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-25R	0.050	n/a	3/8/2019	0.0005ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-51R_51RZ	0.00065	n/a	3/8/2019	0.0005ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-36	0.0050	n/a	3/6/2019	0.005ND	No	20	75	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-36R	0.0050	n/a	3/7/2019	0.005ND	No	20	65	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-37	0.0050	n/a	3/6/2019	0.005ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-38	0.012	n/a	3/7/2019	0.005ND	No	20	20	x^(1/3)	0.000...	Param 1 of 2
Chromium (mg/L)	GWA-52	0.0050	n/a	3/7/2019	0.005ND	No	20	60	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-53	0.0050	n/a	3/8/2019	0.005ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-53R	0.0050	n/a	3/12/2019	0.005ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-54	0.0050	n/a	3/7/2019	0.005ND	No	20	40	n/a	0.004291	NP (normality) 1 of 2
Chromium (mg/L)	GWA-55	0.0050	n/a	3/8/2019	0.005ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-55R	0.0050	n/a	3/7/2019	0.005ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-56	0.0050	n/a	3/7/2019	0.005ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-16R	0.0050	n/a	3/11/2019	0.005ND	No	20	65	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-17R	0.0050	n/a	3/12/2019	0.005ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-18	0.006	n/a	3/12/2019	0.005ND	No	20	20	No	0.000...	Param 1 of 2
Chromium (mg/L)	GWC-18R	0.029	n/a	3/12/2019	0.005ND	No	20	55	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-19R	0.0050	n/a	3/12/2019	0.005ND	No	20	70	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-20R	0.0050	n/a	3/12/2019	0.005ND	No	20	70	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-21R	0.0050	n/a	3/11/2019	0.005ND	No	20	65	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-22R	0.0050	n/a	3/11/2019	0.005ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-23R	0.0050	n/a	3/12/2019	0.005ND	No	20	70	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-24R	0.010	n/a	3/8/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-25R	0.0050	n/a	3/8/2019	0.005ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-51R_51RZ	0.067	n/a	3/8/2019	0.005ND	No	20	50	sqrt(x)	0.000...	Param 1 of 2
Cobalt (mg/L)	GWA-36	0.0050	n/a	3/6/2019	0.005ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-36R	0.0050	n/a	3/7/2019	0.005ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-37	0.0050	n/a	3/6/2019	0.005ND	No	20	55	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-38	0.0061	n/a	n/a	1 future	n/a	19	10.53	x^(1/3)	0.000...	Param 1 of 2
Cobalt (mg/L)	GWA-52	0.010	n/a	3/7/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-53	0.010	n/a	3/8/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-53R	0.010	n/a	3/12/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-54	0.0050	n/a	3/7/2019	0.005ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-55	0.0072	n/a	n/a	1 future	n/a	20	35	n/a	0.004291	NP (normality) 1 of 2
Cobalt (mg/L)	GWA-55R	0.0050	n/a	3/7/2019	0.005ND	No	20	70	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-56	0.010	n/a	3/7/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-16R	0.0074	n/a	3/11/2019	0.005ND	No	20	15	sqrt(x)	0.000...	Param 1 of 2

# Intrawell Prediction Limit Summary Table – Metals Cells 3&4 All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/26/2019, 4:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Cobalt (mg/L)	GWC-17R	0.010	n/a	3/12/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-18	0.0050	n/a	3/12/2019	0.005ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-18R	0.0050	n/a	3/12/2019	0.005ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-19R	0.010	n/a	3/12/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-20R	0.010	n/a	3/12/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-21R	0.018	n/a	n/a	1 future	n/a	20	70	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-22R	0.0050	n/a	3/11/2019	0.005ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-23R	0.010	n/a	3/12/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-24R	0.010	n/a	3/8/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-25R	0.0050	n/a	3/8/2019	0.005ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-51R_51RZ	0.0050	n/a	3/8/2019	0.005ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWA-36	0.013	n/a	3/6/2019	0.0125ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-36R	0.013	n/a	3/7/2019	0.0125ND	No	15	66.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-37	0.03	n/a	3/6/2019	0.0125ND	No	15	0	No	0.000...	Param 1 of 2
Copper (mg/L)	GWA-38	0.013	n/a	3/7/2019	0.0125ND	No	15	53.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-52	0.013	n/a	3/7/2019	0.0125ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-53	0.013	n/a	3/8/2019	0.0125ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-53R	0.013	n/a	3/12/2019	0.0125ND	No	15	86.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-54	0.013	n/a	3/7/2019	0.0125ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-55	0.013	n/a	3/8/2019	0.0125ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-55R	0.013	n/a	3/7/2019	0.0125ND	No	15	80	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-56	0.013	n/a	3/7/2019	0.0125ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-16R	0.013	n/a	3/11/2019	0.0125ND	No	15	13.33	n/a	0.007533	NP (normality) 1 of 2
Copper (mg/L)	GWC-17R	0.013	n/a	3/12/2019	0.0125ND	No	15	40	n/a	0.007533	NP (xform) 1 of 2
Copper (mg/L)	GWC-18	0.025	n/a	3/12/2019	0.0125ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-18R	0.013	n/a	3/12/2019	0.0125ND	No	15	86.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-19R	0.013	n/a	3/12/2019	0.0125ND	No	15	86.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-20R	0.013	n/a	3/12/2019	0.0125ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-21R	0.013	n/a	3/11/2019	0.0125ND	No	15	53.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-22R	0.013	n/a	3/11/2019	0.0125ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-23R	0.013	n/a	3/12/2019	0.0125ND	No	15	66.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-24R	0.013	n/a	3/8/2019	0.0125ND	No	15	86.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-25R	0.025	n/a	3/8/2019	0.0125ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-51R_51RZ	0.013	n/a	3/8/2019	0.0125ND	No	14	64.29	n/a	0.008612	NP (NDs) 1 of 2
Lead (mg/L)	GWA-36	0.0065	n/a	3/6/2019	0.0025ND	No	20	65	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-36R	0.0069	n/a	3/7/2019	0.0025ND	No	20	70	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-37	0.0065	n/a	3/6/2019	0.0025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-38	0.0065	n/a	3/7/2019	0.0025ND	No	20	70	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-52	0.0050	n/a	3/7/2019	0.0025ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-53	0.0065	n/a	3/8/2019	0.0025ND	No	20	75	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-53R	0.0065	n/a	3/12/2019	0.0025ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-54	0.0050	n/a	3/7/2019	0.0025ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-55	0.0065	n/a	3/8/2019	0.0025ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-55R	0.0065	n/a	3/7/2019	0.0025ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-56	0.013	n/a	3/7/2019	0.0025ND	No	20	75	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-16R	0.0065	n/a	3/11/2019	0.0025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-17R	0.013	n/a	3/12/2019	0.0025ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.013	n/a	3/12/2019	0.0025ND	No	20	75	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-18R	0.013	n/a	3/12/2019	0.0025ND	No	20	75	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-19R	0.013	n/a	3/12/2019	0.0025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2



# Intrawell Prediction Limit Summary Table – Metals Cells 3&4 All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/26/2019, 4:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Lead (mg/L)	GWC-20R	0.0050	n/a	3/12/2019	0.0025ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-21R	0.013	n/a	3/11/2019	0.0025ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-22R	0.013	n/a	3/11/2019	0.0025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-23R	0.013	n/a	3/12/2019	0.0025ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-24R	0.013	n/a	3/8/2019	0.0025ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-25R	0.013	n/a	n/a	1 future	n/a	20	85	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-51R_51RZ	0.0065	n/a	3/8/2019	0.0025ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-36	0.00025	n/a	3/6/2019	0.00025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-36R	0.00025	n/a	3/7/2019	0.00025ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-37	0.00025	n/a	3/6/2019	0.00025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-38	0.00025	n/a	3/7/2019	0.00025ND	No	20	80	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-52	0.00050	n/a	3/7/2019	0.00025ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-53	0.00050	n/a	3/8/2019	0.00025ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-53R	0.00050	n/a	3/12/2019	0.00025ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-54	0.00050	n/a	3/7/2019	0.00025ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-55	0.00050	n/a	3/8/2019	0.00025ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-55R	0.00050	n/a	3/7/2019	0.00025ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-56	0.00050	n/a	3/7/2019	0.00025ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-16R	0.00025	n/a	3/11/2019	0.00025ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-17R	0.025	n/a	3/12/2019	0.00025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.025	n/a	3/12/2019	0.00025ND	No	20	75	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-18R	0.025	n/a	3/12/2019	0.00025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-19R	0.025	n/a	3/12/2019	0.00025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-20R	0.025	n/a	3/12/2019	0.00025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-21R	0.025	n/a	3/11/2019	0.00025ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-22R	0.025	n/a	3/11/2019	0.00025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-23R	0.025	n/a	3/12/2019	0.00025ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-24R	0.025	n/a	3/8/2019	0.00025ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-25R	0.025	n/a	3/8/2019	0.00025ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-51R_51RZ	0.00025	n/a	3/8/2019	0.00025ND	No	20	75	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-36	0.014	n/a	3/6/2019	0.005ND	No	15	80	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-36R	0.010	n/a	3/7/2019	0.005ND	No	15	53.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-37	0.029	n/a	3/6/2019	0.005ND	No	15	0	No	0.000...	Param 1 of 2
Nickel (mg/L)	GWA-38	0.031	n/a	3/7/2019	0.005ND	No	15	26.67	x^(1/3)	0.000...	Param 1 of 2
Nickel (mg/L)	GWA-52	0.0050	n/a	3/7/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-53	0.0050	n/a	3/8/2019	0.005ND	No	15	86.67	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-53R	0.010	n/a	3/12/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-54	0.0050	n/a	3/7/2019	0.005ND	No	15	80	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-55	0.0050	n/a	3/8/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-55R	0.0050	n/a	3/7/2019	0.005ND	No	15	66.67	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-56	0.0050	n/a	3/7/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-16R	0.038	n/a	3/11/2019	0.005ND	No	15	0	No	0.000...	Param 1 of 2
Nickel (mg/L)	GWC-17R	0.010	n/a	3/12/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.0050	n/a	3/12/2019	0.005ND	No	15	66.67	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-18R	0.010	n/a	3/12/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-19R	0.0050	n/a	3/12/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-20R	0.010	n/a	3/12/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-21R	0.026	n/a	3/11/2019	0.005ND	No	15	40	n/a	0.007533	NP (normality) 1 of 2
Nickel (mg/L)	GWC-22R	0.0050	n/a	3/11/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-23R	0.0050	n/a	3/12/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2

# Intrawell Prediction Limit Summary Table – Metals Cells 3&4 All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/26/2019, 4:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Nickel (mg/L)	GWC-24R	0.0050	n/a	3/8/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-25R	0.0050	n/a	3/8/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-51R_51RZ	0.0050	n/a	3/8/2019	0.005ND	No	14	85.71	n/a	0.008612	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-36	0.010	n/a	3/6/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-36R	0.010	n/a	3/7/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-37	0.010	n/a	3/6/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-38	0.010	n/a	3/7/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-52	0.010	n/a	3/7/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-53	0.010	n/a	3/8/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-53R	0.010	n/a	3/12/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-54	0.010	n/a	3/7/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-55	0.0050	n/a	n/a	1 future	n/a	20	85	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-55R	0.0050	n/a	n/a	1 future	n/a	20	90	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-56	0.0050	n/a	3/7/2019	0.005ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-16R	0.010	n/a	3/11/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-17R	0.010	n/a	3/12/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-18	0.010	n/a	3/12/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-18R	0.010	n/a	3/12/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-19R	0.010	n/a	3/12/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-20R	0.010	n/a	3/12/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-21R	0.010	n/a	3/11/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-22R	0.010	n/a	3/11/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-23R	0.010	n/a	3/12/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-24R	0.010	n/a	3/8/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWC-25R	0.010	n/a	3/8/2019	0.005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-51R_51RZ	0.010	n/a	n/a	1 future	n/a	20	50	n/a	0.004291	NP (normality) 1 of 2
Silver (mg/L)	GWA-36	0.010	n/a	3/6/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWA-36R	0.010	n/a	3/7/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWA-37	0.010	n/a	3/6/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWA-38	0.0050	n/a	3/7/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWA-52	0.010	n/a	3/7/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWA-53	0.010	n/a	3/8/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWA-53R	0.010	n/a	3/12/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWA-54	0.010	n/a	3/7/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWA-55	0.010	n/a	3/8/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWA-55R	0.010	n/a	3/7/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWA-56	0.010	n/a	3/7/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-16R	0.0050	n/a	3/11/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-17R	0.0050	n/a	3/12/2019	0.005ND	No	15	86.67	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-18	0.010	n/a	3/12/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-18R	0.0050	n/a	3/12/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-19R	0.010	n/a	3/12/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-20R	0.010	n/a	3/12/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-21R	0.010	n/a	3/11/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-22R	0.010	n/a	3/11/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-23R	0.010	n/a	3/12/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-24R	0.010	n/a	3/8/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-25R	0.010	n/a	3/8/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWA-51R_51RZ	0.010	n/a	3/8/2019	0.005ND	No	14	100	n/a	0.008612	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-36	0.00050	n/a	3/6/2019	0.0005ND	No	20	90	n/a	0.004291	NP (NDs) 1 of 2

# Intrawell Prediction Limit Summary Table – Metals Cells 3&4 All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/26/2019, 4:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Thallium (mg/L)	GWA-36R	0.00050	n/a	3/7/2019	0.0005ND	No	19	89.47	n/a	0.004832	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-37	0.0010	n/a	3/6/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-38	0.0010	n/a	3/7/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-52	0.00050	n/a	3/7/2019	0.0005ND	No	20	85	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-53	0.00050	n/a	3/8/2019	0.0005ND	No	20	55	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-53R	0.0010	n/a	3/12/2019	0.0005ND	No	19	100	n/a	0.004832	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-54	0.00050	n/a	3/7/2019	0.0005ND	No	20	50	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWA-55	0.00050	n/a	3/8/2019	0.0005ND	No	20	65	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-55R	0.00050	n/a	3/7/2019	0.0005ND	No	20	95	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-56	0.0010	n/a	3/7/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWC-16R	0.0022	n/a	n/a	1 future	n/a	20	20	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWC-17R	0.0010	n/a	3/12/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWC-18	0.0050	n/a	3/12/2019	0.0005ND	No	20	40	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWC-18R	0.0010	n/a	3/12/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWC-19R	0.0010	n/a	3/12/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWC-20R	0.0050	n/a	3/12/2019	0.0005ND	No	20	45	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWC-21R	0.0050	n/a	3/11/2019	0.0005ND	No	20	40	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWC-22R	0.0050	n/a	n/a	1 future	n/a	20	50	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWC-23R	0.0033	n/a	3/12/2019	0.0005ND	No	19	31.58	n/a	0.004832	NP (normality) 1 of 2
Thallium (mg/L)	GWC-24R	0.0010	n/a	3/8/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWC-25R	0.0010	n/a	3/8/2019	0.0005ND	No	20	100	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-51R_51RZ	0.00050	n/a	3/8/2019	0.0005ND	No	20	70	n/a	0.004291	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-36	0.010	n/a	3/6/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-36R	0.0073	n/a	3/7/2019	0.005ND	No	15	66.67	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-37	0.0050	n/a	3/6/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-38	0.0050	n/a	3/7/2019	0.005ND	No	15	66.67	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-52	0.0050	n/a	3/7/2019	0.005ND	No	15	80	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-53	0.0050	n/a	3/8/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-53R	0.0050	n/a	3/12/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-54	0.0050	n/a	3/7/2019	0.005ND	No	15	73.33	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-55	0.0050	n/a	3/8/2019	0.005ND	No	15	86.67	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-55R	0.0050	n/a	3/7/2019	0.005ND	No	15	73.33	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-56	0.0050	n/a	3/7/2019	0.005ND	No	15	86.67	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-16R	0.0050	n/a	3/11/2019	0.005ND	No	15	60	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-17R	0.0050	n/a	3/12/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.010	n/a	3/12/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-18R	0.0050	n/a	3/12/2019	0.005ND	No	15	86.67	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-19R	0.010	n/a	3/12/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-20R	0.0050	n/a	3/12/2019	0.005ND	No	15	93.33	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-21R	0.010	n/a	3/11/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-22R	0.010	n/a	3/11/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-23R	0.0050	n/a	3/12/2019	0.005ND	No	15	80	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-24R	0.0050	n/a	3/8/2019	0.005ND	No	15	73.33	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-25R	0.010	n/a	3/8/2019	0.005ND	No	15	100	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-51R_51RZ	0.088	n/a	3/8/2019	0.005ND	No	14	42.86	x^(1/3)	0.000...	Param 1 of 2
Zinc (mg/L)	GWA-36	0.69	n/a	3/6/2019	0.56	No	15	0	No	0.000...	Param 1 of 2
Zinc (mg/L)	GWA-36R	0.47	n/a	3/7/2019	0.043	No	15	0	sqrt(x)	0.000...	Param 1 of 2
Zinc (mg/L)	GWA-37	0.014	n/a	n/a	1 future	n/a	15	6.667	No	0.000...	Param 1 of 2
Zinc (mg/L)	GWA-38	0.041	n/a	3/7/2019	0.005ND	No	15	20	n/a	0.007533	NP (xform) 1 of 2
Zinc (mg/L)	GWA-52	0.0050	n/a	3/7/2019	0.005ND	No	15	53.33	n/a	0.007533	NP (NDs) 1 of 2

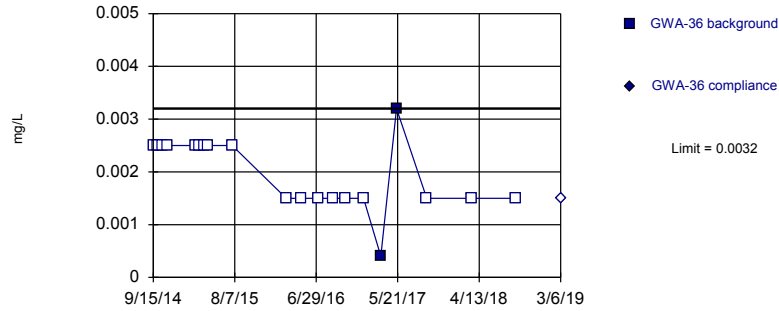
# Intrawell Prediction Limit Summary Table – Metals Cells 3&4 All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/26/2019, 4:35 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Zinc (mg/L)	GWA-53	0.0057	n/a	3/8/2019	0.005ND	No	15	46.67	No	0.000...	Param 1 of 2
Zinc (mg/L)	GWA-53R	0.0087	n/a	3/12/2019	0.005ND	No	15	40	sqrt(x)	0.000...	Param 1 of 2
Zinc (mg/L)	GWA-54	0.009	n/a	3/7/2019	0.005ND	No	15	40	sqrt(x)	0.000...	Param 1 of 2
Zinc (mg/L)	GWA-55	0.0050	n/a	3/8/2019	0.005ND	No	15	66.67	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-55R	0.0082	n/a	3/7/2019	0.005ND	No	15	60	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-56	0.0063	n/a	3/7/2019	0.005ND	No	15	46.67	No	0.000...	Param 1 of 2
Zinc (mg/L)	GWC-16R	0.096	n/a	3/11/2019	0.024	No	15	6.667	x^3	0.000...	Param 1 of 2
Zinc (mg/L)	GWC-17R	0.022	n/a	n/a	1 future	n/a	14	14.29	n/a	0.008612	NP (normality) 1 of 2
Zinc (mg/L)	GWC-18	0.022	n/a	3/12/2019	0.005ND	No	15	13.33	n/a	0.007533	NP (normality) 1 of 2
Zinc (mg/L)	GWC-18R	0.0050	n/a	3/12/2019	0.005ND	No	15	53.33	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-19R	0.0081	n/a	3/12/2019	0.005ND	No	15	26.67	No	0.000...	Param 1 of 2
Zinc (mg/L)	GWC-20R	0.0091	n/a	3/12/2019	0.005ND	No	15	26.67	sqrt(x)	0.000...	Param 1 of 2
Zinc (mg/L)	GWC-21R	0.0071	n/a	n/a	1 future	n/a	15	20	No	0.000...	Param 1 of 2
Zinc (mg/L)	GWC-22R	0.0071	n/a	n/a	1 future	n/a	15	40	No	0.000...	Param 1 of 2
Zinc (mg/L)	GWC-23R	0.0053	n/a	3/12/2019	0.005ND	No	15	40	No	0.000...	Param 1 of 2
Zinc (mg/L)	GWC-24R	0.0068	n/a	3/8/2019	0.005ND	No	15	60	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-25R	0.0050	n/a	3/8/2019	0.005ND	No	15	60	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-51R_51RZ	0.12	n/a	3/8/2019	0.005ND	No	14	28.57	n/a	0.008612	NP (xform) 1 of 2

Within Limit

Prediction Limit  
Intrawell Non-parametric

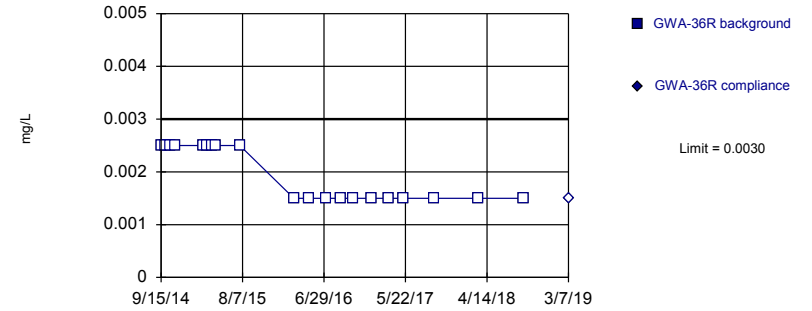


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:08 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

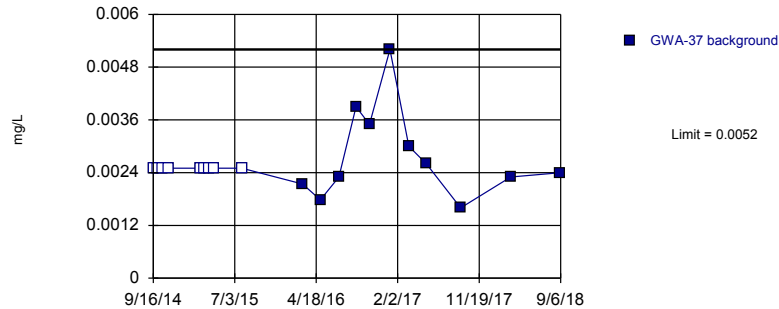
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:08 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit  
Intrawell Non-parametric, GWA-37 (bg)

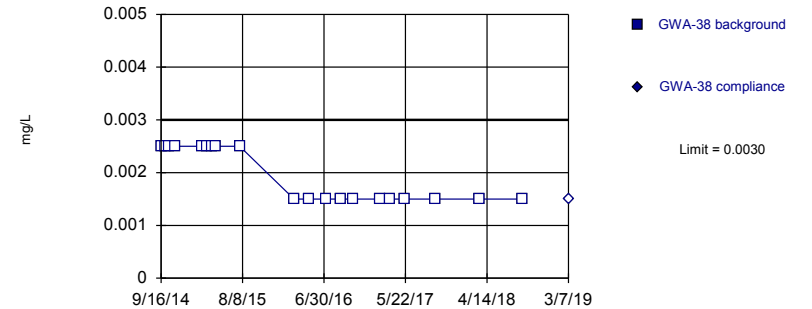


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 45% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Antimony Analysis Run 8/26/2019 4:08 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:08 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/7/2016	<0.003 (*)	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/5/2017	<0.003	
3/15/2017	0.0004 (J)	
5/17/2017	0.0032	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/6/2018	<0.003	
3/6/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
9/15/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/6/2016	<0.003 (*)	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/5/2017	<0.003	
3/14/2017	<0.003	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/6/2018	<0.003	
3/7/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37
9/16/2014	<0.005
10/3/2014	<0.005
10/20/2014	<0.005
11/10/2014	<0.005
3/2/2015	<0.005
3/17/2015	<0.005
4/5/2015	<0.005
4/22/2015	<0.005
7/28/2015	<0.005
3/1/2016	0.00214 (J)
5/3/2016	0.00178 (J)
7/8/2016	0.0023 (J)
9/7/2016	0.0039
10/25/2016	0.0035
1/6/2017	0.0052
3/14/2017	0.003
5/16/2017	0.0026 (J)
9/15/2017	0.0016 (J)
3/12/2018	0.0023 (J)
9/6/2018	0.0024 (J)
3/6/2019	0.0019 (X)



# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

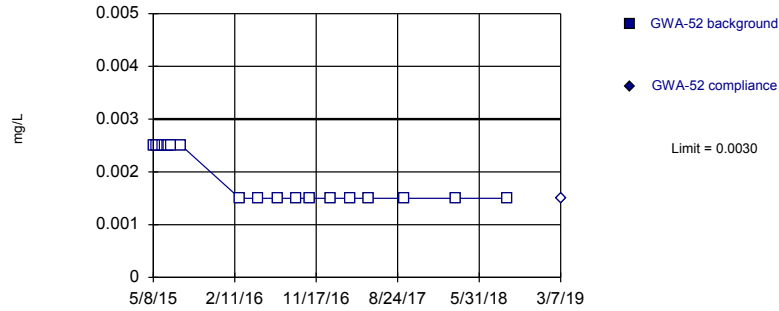
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/7/2016	<0.003	
9/8/2016	<0.003	
10/25/2016	<0.003	
2/9/2017	<0.003	
3/23/2017	<0.003	
5/17/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/6/2018	<0.003	
3/7/2019		<0.003

Within Limit

Prediction Limit  
Intrawell Non-parametric

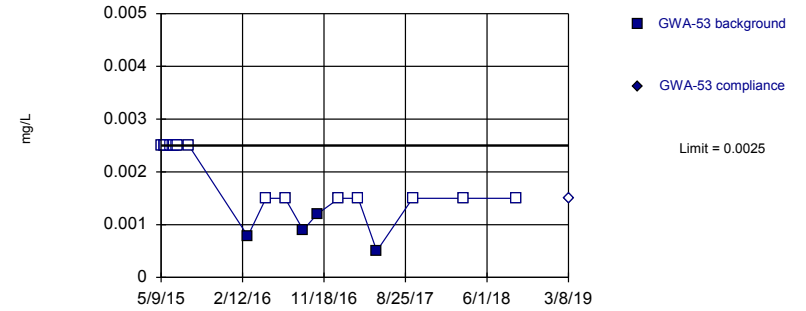


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:08 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

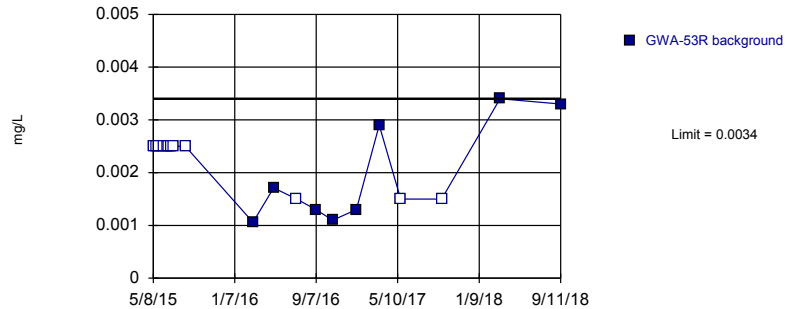
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:08 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit  
Intrawell Non-parametric, GWA-53R (bg)

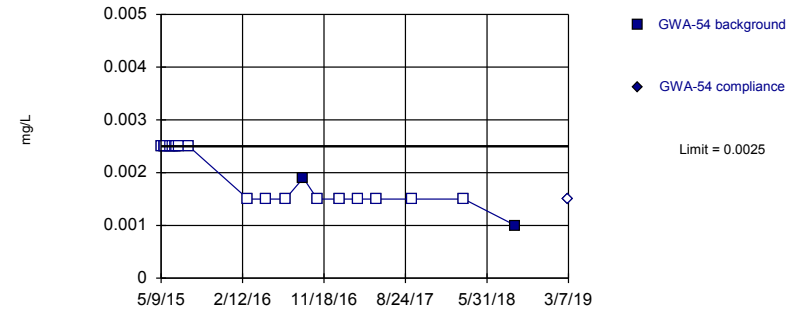


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 60% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Antimony Analysis Run 8/26/2019 4:08 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:08 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
2/29/2016	<0.003	
5/4/2016	<0.003	
7/8/2016	<0.003 (*)	
9/8/2016	<0.003	
10/26/2016	<0.003	
1/6/2017	<0.003	
3/15/2017	<0.003	
5/17/2017	<0.003	
9/15/2017	<0.003	
3/13/2018	<0.003	
9/6/2018	<0.003	
3/7/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/17/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	0.000782 (J)	
5/3/2016	<0.003	
7/8/2016	<0.003 (*)	
9/8/2016	0.0009 (J)	
10/26/2016	0.0012 (J)	
1/9/2017	<0.003	
3/16/2017	<0.003	
5/19/2017	0.0005 (J)	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/11/2018	<0.003	
3/8/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R
5/8/2015	<0.005
5/17/2015	<0.005
5/25/2015	<0.005
6/8/2015	<0.005
6/18/2015	<0.005
6/24/2015	<0.005
6/30/2015	<0.005
7/6/2015	<0.005
8/12/2015	<0.005
3/2/2016	0.00106 (J)
5/3/2016	0.00171 (J)
7/11/2016	<0.003 (*)
9/7/2016	0.0013 (J)
10/27/2016	0.0011 (J)
1/6/2017	0.0013 (J)
3/16/2017	0.0029 (J)
5/19/2017	<0.003
9/19/2017	<0.003
3/13/2018	0.0034
9/11/2018	0.0033
3/12/2019	0.002 (X)

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

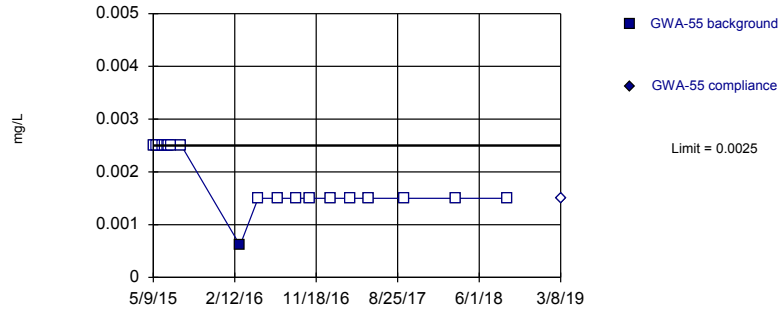
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.003	
5/4/2016	<0.003	
7/8/2016	<0.003	
9/8/2016	0.0019 (J)	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/15/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/13/2018	<0.003	
9/6/2018	0.001 (J)	
3/7/2019		<0.003

Within Limit

Prediction Limit  
Intrawell Non-parametric

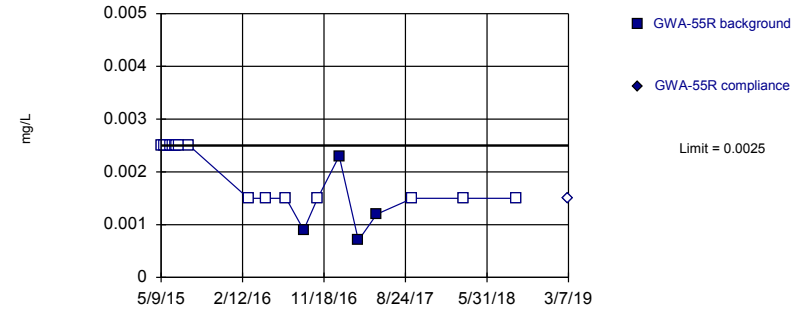


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:08 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

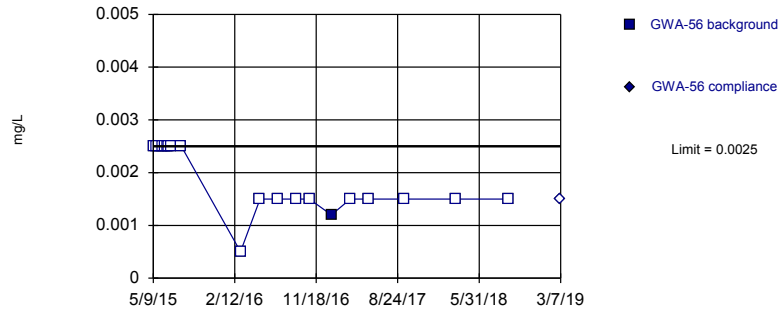


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:08 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

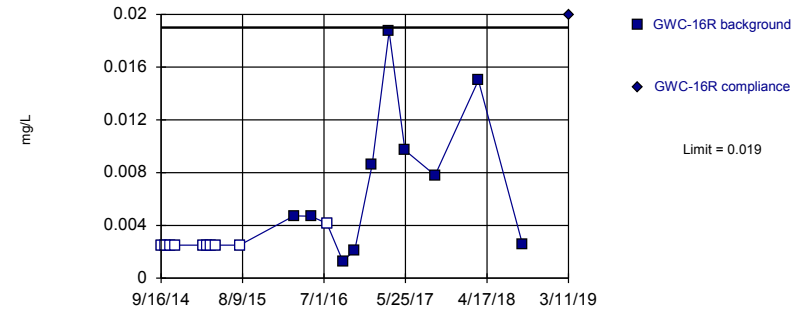


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:08 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:08 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/9/2015	<0.005	
5/18/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/2/2016	0.000608 (J)	
5/3/2016	<0.003	
7/11/2016	<0.003 (*)	
9/9/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/16/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/7/2018	<0.003	
3/8/2019		<0.003



# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/9/2015	<0.005	
5/18/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.003	
5/3/2016	<0.003	
7/11/2016	<0.003 (*)	
9/9/2016	0.0009 (J)	
10/27/2016	<0.003	
1/9/2017	0.0023 (J)	
3/16/2017	0.0007 (J)	
5/18/2017	0.0012 (J)	
9/18/2017	<0.003	
3/12/2018	<0.003	
9/7/2018	<0.003	
3/7/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/9/2015	<0.005	
5/19/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.001	
5/9/2016	<0.003	
7/11/2016	<0.003	
9/9/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	0.0012 (J)	
3/15/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/7/2019		<0.003

# Prediction Limit

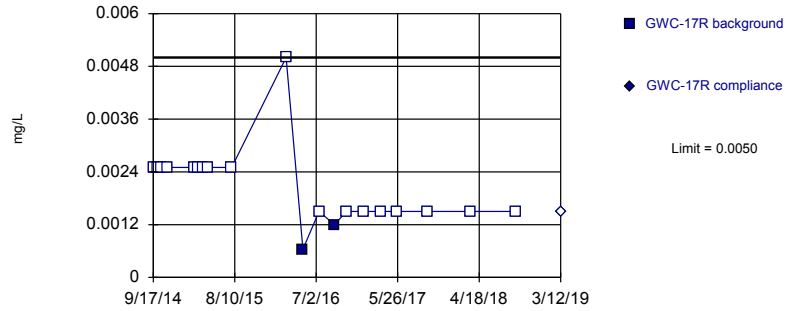
Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	0.00472 (D)	
5/10/2016	0.0047	
7/13/2016	<0.0083 (*)	
9/15/2016	0.0013 (J)	
11/2/2016	0.0021 (J)	
1/11/2017	0.0086	
3/20/2017	0.0187	
5/23/2017	0.0097	
9/21/2017	0.0078	
3/14/2018	0.015	
9/7/2018	0.0026 (J)	
3/11/2019		0.02

Within Limit

Prediction Limit  
Intrawell Non-parametric

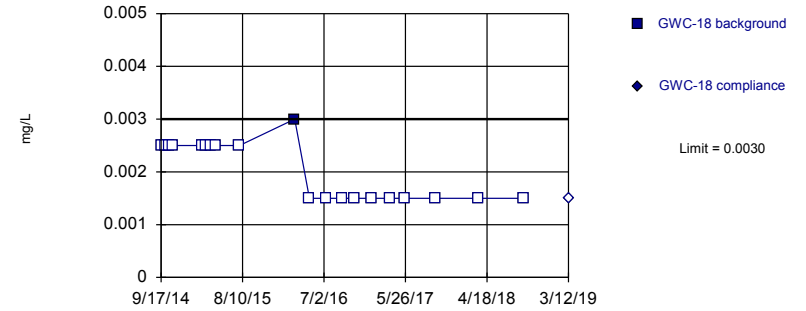


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:08 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

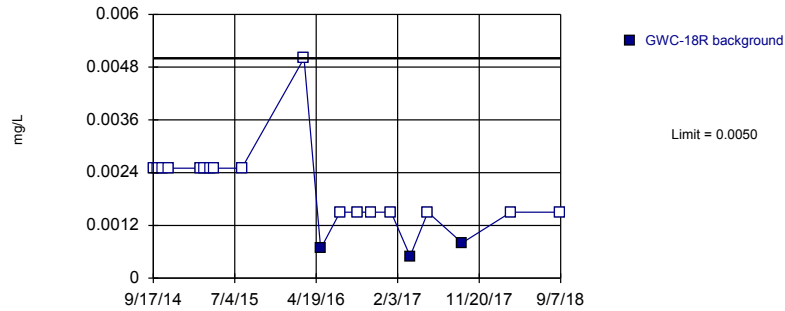
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:09 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-18R

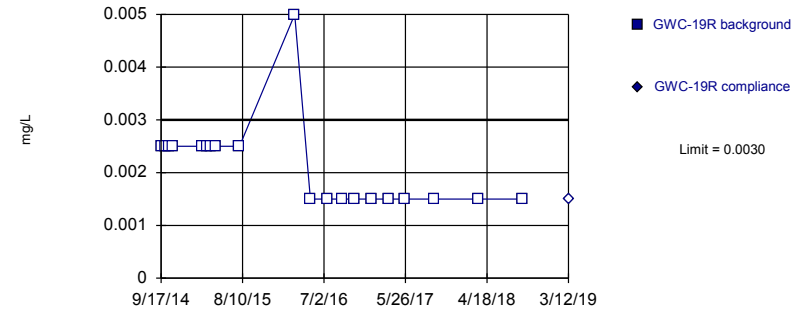


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Antimony Analysis Run 8/26/2019 4:09 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:09 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.01	
5/10/2016	0.000641 (J)	
7/14/2016	<0.003 (*)	
9/14/2016	0.0012 (J)	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/23/2017	<0.003	
9/22/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	0.003	
5/5/2016	<0.003	
7/13/2016	<0.003 (*)	
9/13/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/23/2017	<0.003	
5/23/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R
9/17/2014	<0.005
10/4/2014	<0.005
10/21/2014	<0.005
11/11/2014	<0.005
3/3/2015	<0.005
3/18/2015	<0.005
4/7/2015	<0.005
4/23/2015	<0.005
7/29/2015	<0.005
3/7/2016	<0.01
5/5/2016	0.000672 (J)
7/13/2016	<0.003 (*)
9/12/2016	<0.003
11/1/2016	<0.003
1/11/2017	<0.003
3/20/2017	0.0005 (J)
5/22/2017	<0.003
9/21/2017	0.0008 (J)
3/14/2018	<0.003
9/7/2018	<0.003
3/12/2019	0.00091 (X)

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

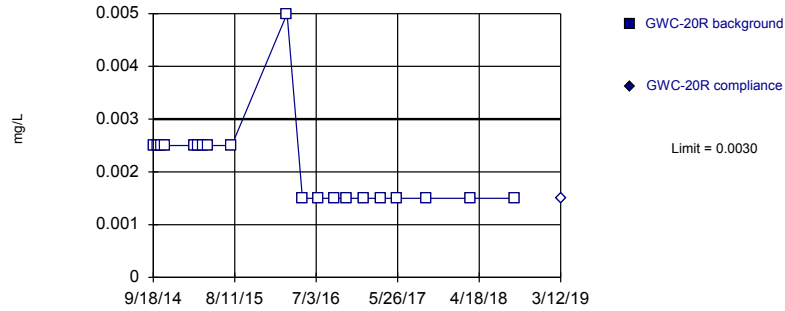
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	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.01	
5/9/2016	<0.003	
7/14/2016	<0.003 (*)	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/22/2017	<0.003	
9/20/2017	<0.003	
3/14/2018	<0.003	
9/10/2018	<0.003	
3/12/2019		<0.003



Within Limit

Prediction Limit  
Intrawell Non-parametric

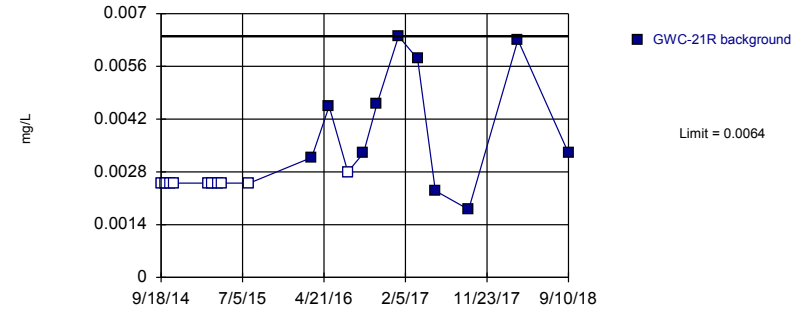


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:09 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-21R

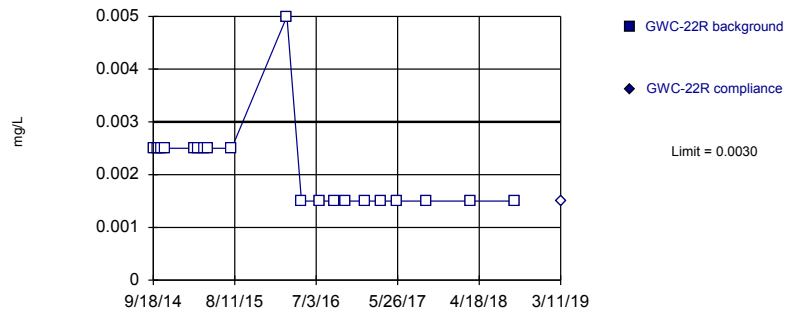


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Antimony Analysis Run 8/26/2019 4:09 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

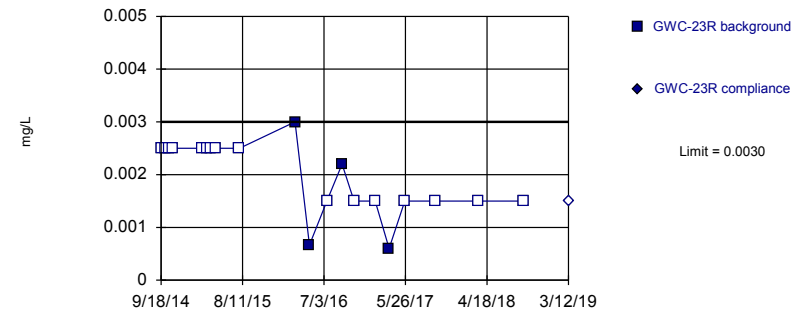


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:09 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:09 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.01	
5/9/2016	<0.003	
7/14/2016	<0.003 (*)	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/22/2017	<0.003	
5/22/2017	<0.003	
9/19/2017	<0.003	
3/14/2018	<0.003	
9/10/2018	<0.003	
3/12/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R
9/18/2014	<0.005
10/5/2014	<0.005
10/22/2014	<0.005
11/5/2014	<0.005
3/4/2015	<0.005
3/19/2015	<0.005
4/8/2015	<0.005
4/24/2015	<0.005
7/30/2015	<0.005
3/8/2016	0.00318
5/9/2016	0.00454
7/15/2016	<0.0056 (*)
9/9/2016	0.0033
10/27/2016	0.0046
1/12/2017	0.0064
3/21/2017	0.0058
5/23/2017	0.0023 (J)
9/19/2017	0.0018 (J)
3/14/2018	0.0063
9/10/2018	0.0033
3/11/2019	0.0029 (X)

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.01	
5/5/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/27/2016	<0.003	
1/13/2017	<0.003	
3/20/2017	<0.003	
5/23/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/11/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

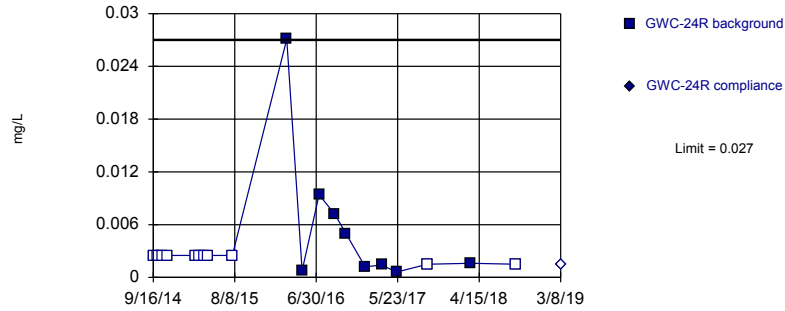
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	0.003	
5/6/2016	0.000666 (J)	
7/15/2016	<0.003 (*)	
9/14/2016	0.0022 (J)	
11/1/2016	<0.003	
1/25/2017	<0.003	
3/22/2017	0.0006 (J)	
5/24/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003

Within Limit

Prediction Limit  
Intrawell Non-parametric

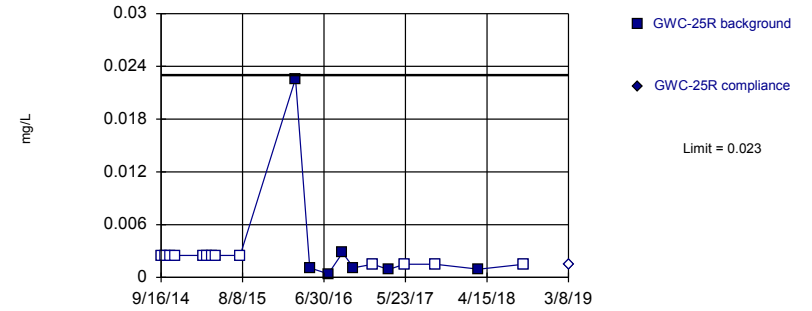


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 55% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:09 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

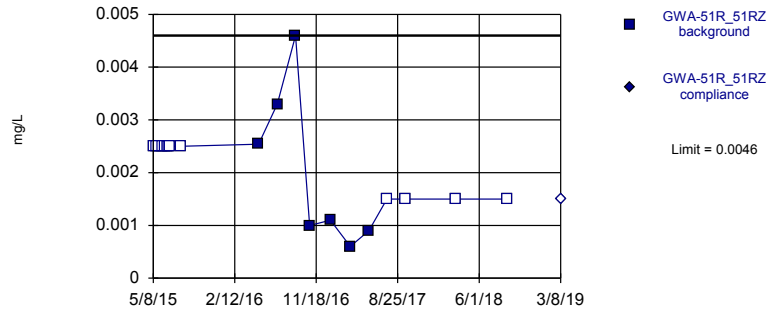


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:09 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

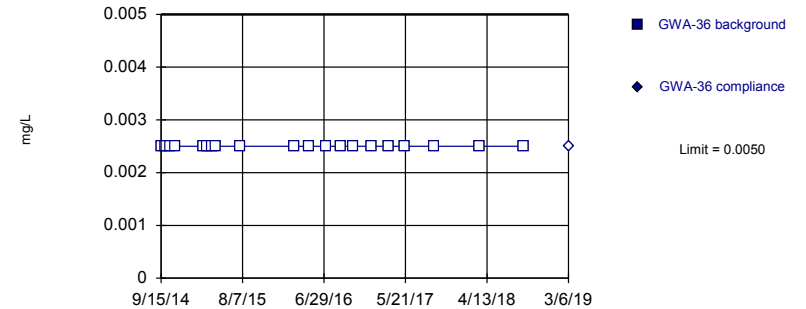


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 8/26/2019 4:09 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:09 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	0.0271 (J)	
5/5/2016	0.000761 (J)	
7/12/2016	0.0094	
9/13/2016	0.0072	
10/27/2016	0.005	
1/13/2017	0.0012 (J)	
3/20/2017	0.0014 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	<0.003	
3/13/2018	0.0016 (J)	
9/11/2018	<0.003	
3/8/2019		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	0.0226 (J)	
5/4/2016	0.00107 (J)	
7/18/2016	0.0004 (J)	
9/13/2016	0.0028 (J)	
10/27/2016	0.0011 (J)	
1/13/2017	<0.003	
3/16/2017	0.0009 (J)	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	0.00093 (J)	
9/11/2018	<0.003	
3/8/2019		<0.003



# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
5/4/2016	0.00254 (JD)	
7/7/2016	0.0033 (D)	
9/8/2016	0.0046 (D)	
10/26/2016	0.001 (JD)	
1/6/2017	0.0011 (JD)	
3/15/2017	0.0006 (JD)	
5/18/2017	0.0009 (JD)	
7/19/2017	<0.003 (D)	
9/19/2017	<0.003 (D)	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/8/2019		<0.003

# Prediction Limit

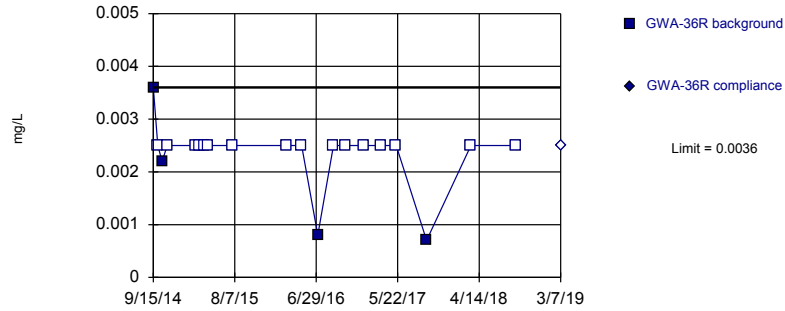
Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/7/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/15/2017	<0.005	
5/17/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

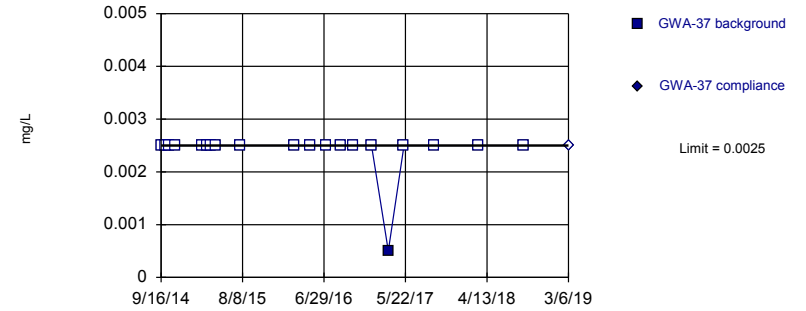


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:09 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

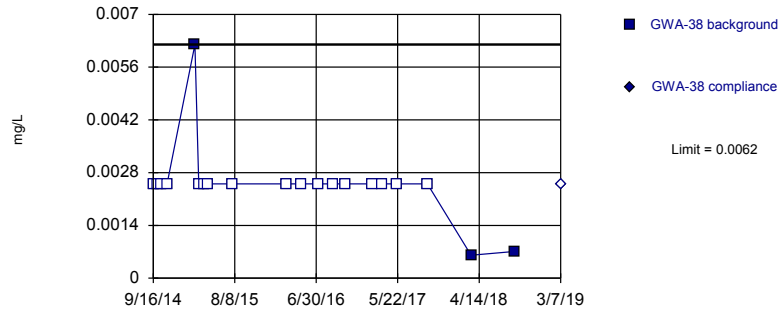


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:09 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

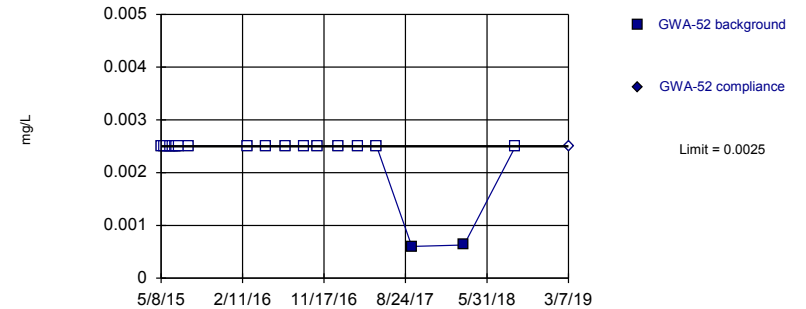


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
9/15/2014	0.0036 (J)	
10/3/2014	<0.005	
10/20/2014	0.0022 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	0.0008 (J)	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	<0.005	
5/16/2017	<0.005	
9/15/2017	0.0007 (J)	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37	GWA-37
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/6/2017	<0.005	
3/14/2017	0.0005 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	0.0062	
3/17/2015	<0.005	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/25/2016	<0.005	
2/9/2017	<0.005	
3/23/2017	<0.005	
5/17/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	0.00061 (J)	
9/6/2018	0.00071 (J)	
3/7/2019		<0.005

# Prediction Limit

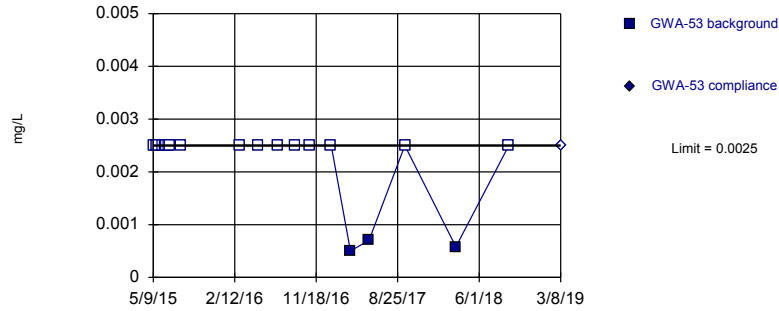
Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
2/29/2016	<0.005	
5/4/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/6/2017	<0.005	
3/15/2017	<0.005	
5/17/2017	<0.005	
9/15/2017	0.0006 (J)	
3/13/2018	0.00063 (J)	
9/6/2018	<0.005	
3/7/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

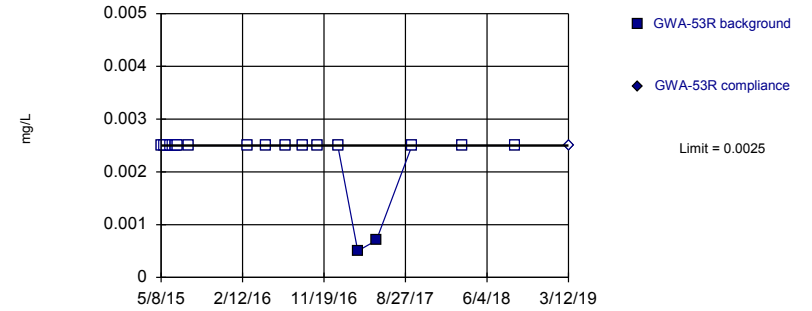


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

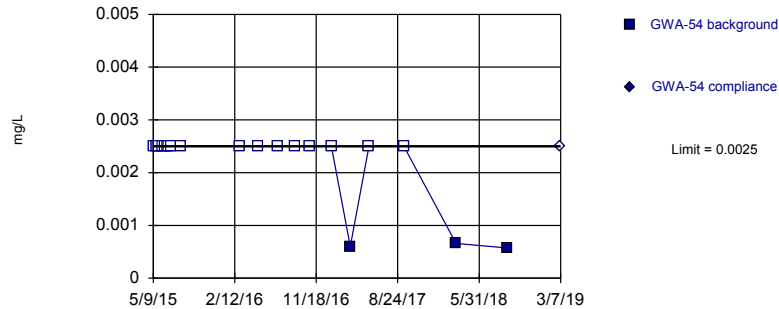


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

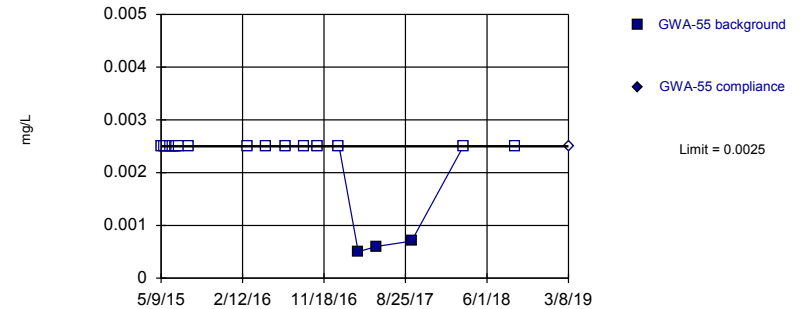


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/17/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	0.0005 (J)	
5/19/2017	0.0007 (J)	
9/19/2017	<0.005	
3/13/2018	0.00058 (J)	
9/11/2018	<0.005	
3/8/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	<0.005	
9/7/2016	<0.005	
10/27/2016	<0.005	
1/6/2017	<0.005	
3/16/2017	0.0005 (J)	
5/19/2017	0.0007 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/4/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/15/2017	0.0006 (J)	
5/18/2017	<0.005	
9/15/2017	<0.005	
3/13/2018	0.00066 (J)	
9/6/2018	0.00057 (J)	
3/7/2019		<0.005

# Prediction Limit

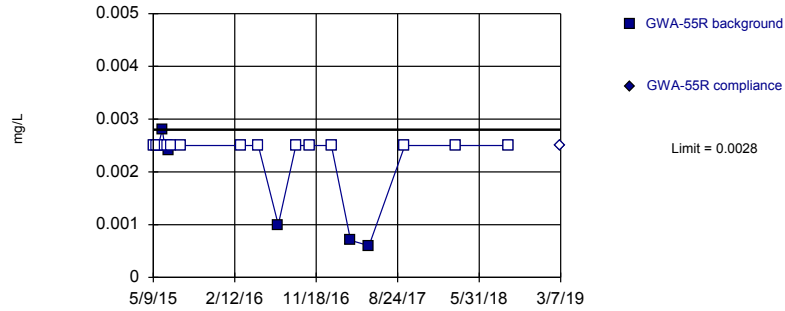
Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/9/2015	<0.005	
5/18/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	<0.005	
9/9/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	0.0005 (J)	
5/18/2017	0.0006 (J)	
9/15/2017	0.0007 (J)	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/8/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

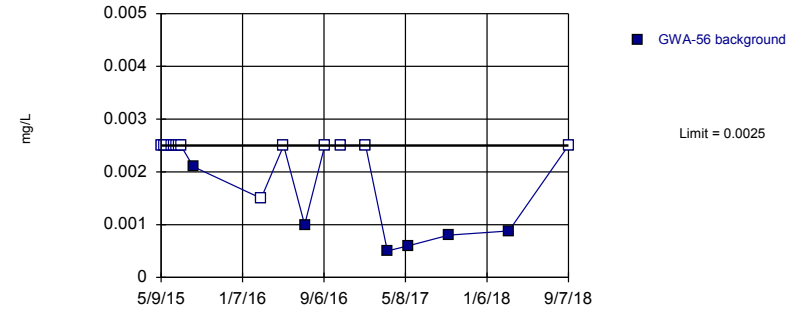


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWA-56 (bg)

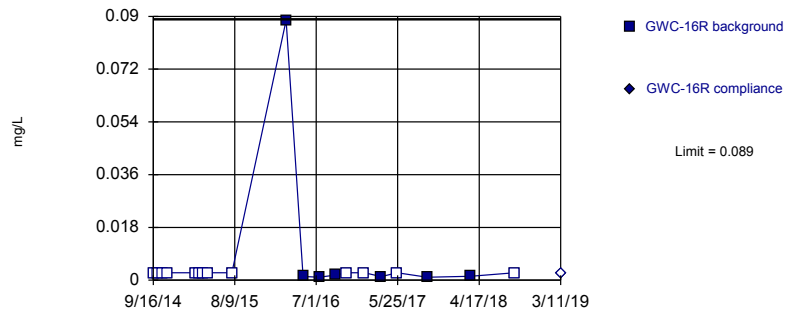


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

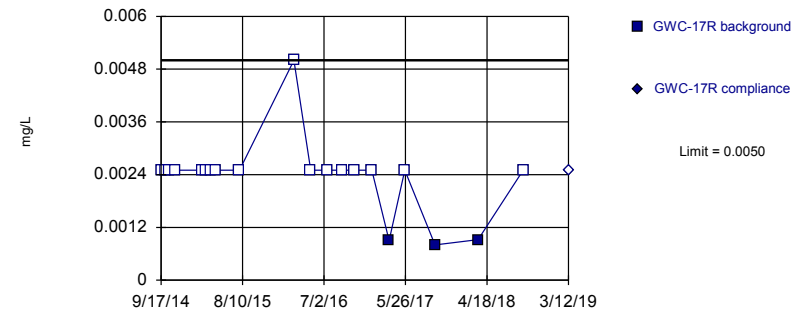


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/9/2015	<0.005	
5/18/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	0.0028 (J)	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	0.0024 (J)	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	0.001 (J)	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	0.0007 (J)	
5/18/2017	0.0006 (J)	
9/18/2017	<0.005	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/7/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56
5/9/2015	<0.005
5/19/2015	<0.005
5/26/2015	<0.005
6/9/2015	<0.005
6/17/2015	<0.005
6/25/2015	<0.005
7/1/2015	<0.005
7/7/2015	<0.005
8/13/2015	0.0021 (J)
3/3/2016	<0.003
5/9/2016	<0.005
7/11/2016	0.001 (J)
9/9/2016	<0.005
10/26/2016	<0.005
1/9/2017	<0.005
3/15/2017	0.0005 (J)
5/18/2017	0.0006 (J)
9/15/2017	0.0008 (J)
3/13/2018	0.00088 (J)
9/7/2018	<0.005
3/7/2019	0.00085 (X)

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	0.08869 (JD)	
5/10/2016	0.00128 (J)	
7/13/2016	0.001 (J)	
9/15/2016	0.0017 (J)	
11/2/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0012 (J)	
5/23/2017	<0.005	
9/21/2017	0.001 (J)	
3/14/2018	0.0013 (J)	
9/7/2018	<0.005	
3/11/2019		<0.005



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:35 PM View: cell 3&4 OB&BR intrawell metals

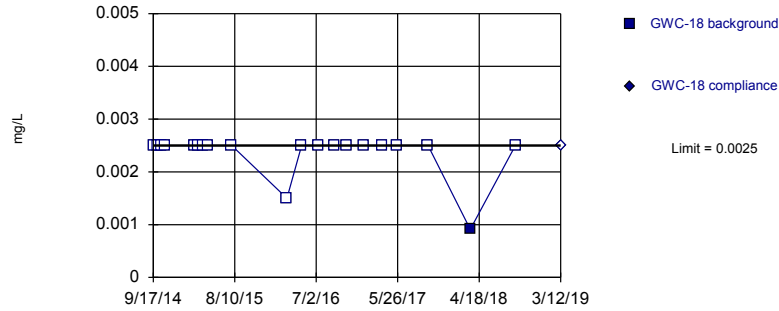
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.01	
5/10/2016	<0.005	
7/14/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	0.0009 (J)	
5/23/2017	<0.005 (*)	
9/22/2017	0.0008 (J)	
3/14/2018	0.00092 (J)	
9/11/2018	<0.005	
3/12/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

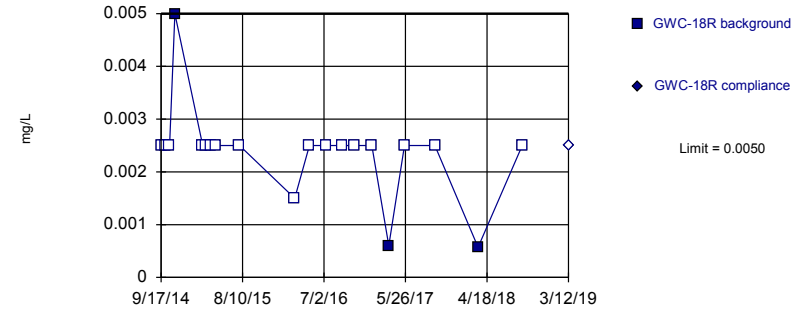


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

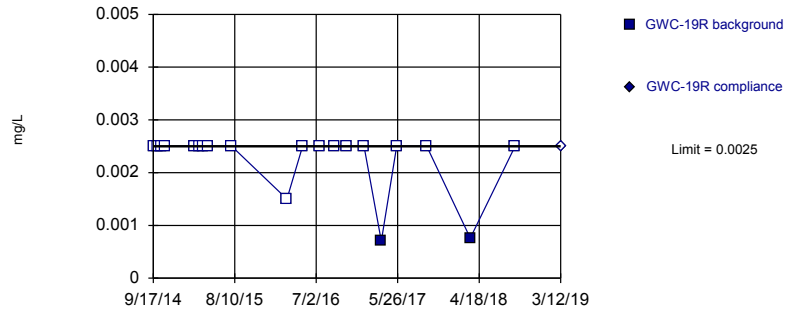


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

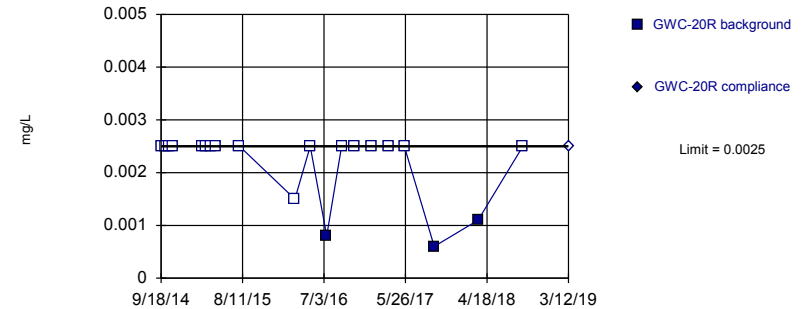


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:10 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.003	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/23/2017	<0.005	
5/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	0.00091 (J)	
9/11/2018	<0.005	
3/12/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.003	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0006 (J)	
5/22/2017	<0.005 (*)	
9/21/2017	<0.005	
3/14/2018	0.00057 (J)	
9/7/2018	<0.005	
3/12/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.003	
5/9/2016	<0.005	
7/14/2016	<0.005	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	0.0007 (J)	
5/22/2017	<0.005 (*)	
9/20/2017	<0.005	
3/14/2018	0.00076 (J)	
9/10/2018	<0.005	
3/12/2019		<0.005

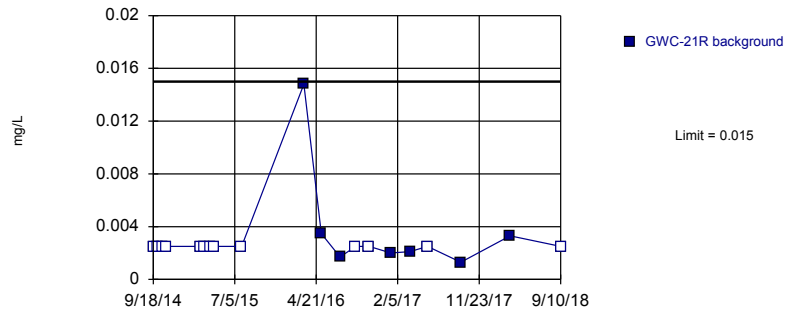
# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.003	
5/9/2016	<0.005	
7/14/2016	0.0008 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/22/2017	<0.005	
5/22/2017	<0.005 (*)	
9/19/2017	0.0006 (J)	
3/14/2018	0.0011 (J)	
9/10/2018	<0.005	
3/12/2019		<0.005

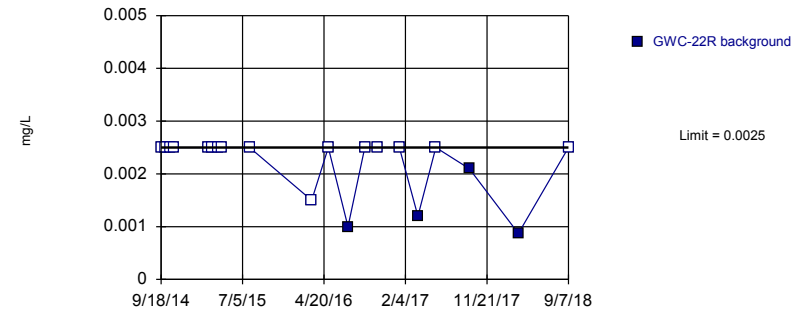
Prediction Limit  
Intrawell Non-parametric, GWC-21R



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Arsenic Analysis Run 8/26/2019 4:11 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

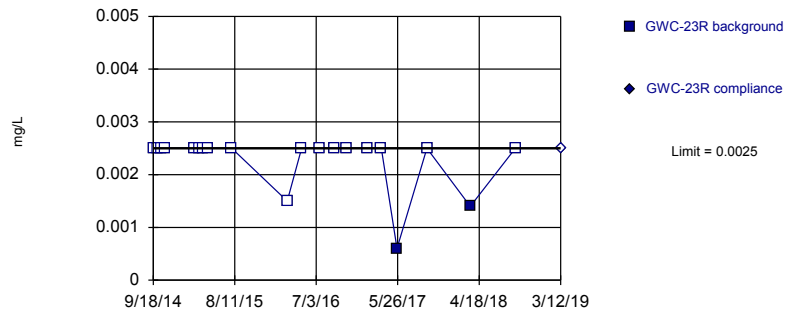
Prediction Limit  
Intrawell Non-parametric, GWC-22R



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Arsenic Analysis Run 8/26/2019 4:11 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

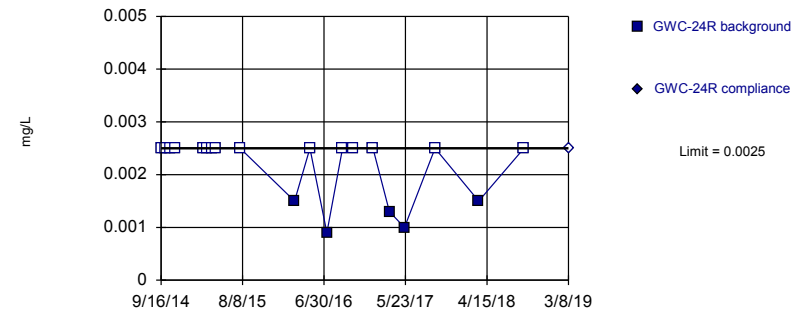
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:11 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:11 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R
9/18/2014	<0.005
10/5/2014	<0.005
10/22/2014	<0.005
11/5/2014	<0.005
3/4/2015	<0.005
3/19/2015	<0.005
4/8/2015	<0.005
4/24/2015	<0.005
7/30/2015	<0.005
3/8/2016	0.0148
5/9/2016	0.00347 (J)
7/15/2016	0.0017 (J)
9/9/2016	<0.005
10/27/2016	<0.005
1/12/2017	0.002 (J)
3/21/2017	0.0021 (J)
5/23/2017	<0.005 (*)
9/19/2017	0.0013 (J)
3/14/2018	0.0033 (J)
9/10/2018	<0.005
3/11/2019	0.0038 (X)



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R
9/18/2014	<0.005
10/5/2014	<0.005
10/22/2014	<0.005
11/5/2014	<0.005
3/4/2015	<0.005
3/19/2015	<0.005
4/8/2015	<0.005
4/24/2015	<0.005
7/30/2015	<0.005
3/7/2016	<0.003
5/5/2016	<0.005
7/14/2016	0.001 (J)
9/12/2016	<0.005
10/27/2016	<0.005
1/13/2017	<0.005
3/20/2017	0.0012 (J)
5/23/2017	<0.005
9/19/2017	0.0021 (J)
3/13/2018	0.00087 (J)
9/7/2018	<0.005
3/11/2019	0.00099 (X)

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.003	
5/6/2016	<0.005	
7/15/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	<0.005	
3/22/2017	<0.005	
5/24/2017	0.0006 (J)	
9/21/2017	<0.005	
3/14/2018	0.0014 (J)	
9/11/2018	<0.005	
3/12/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

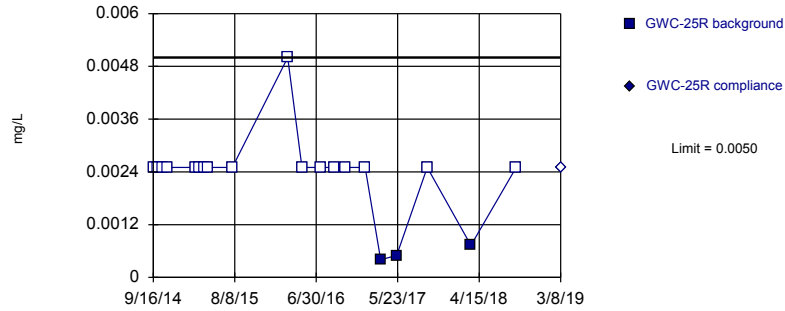
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	0.0015 (J)	
5/5/2016	<0.005	
7/12/2016	0.0009 (J)	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0013 (J)	
5/19/2017	0.001 (J)	
9/19/2017	<0.005	
3/13/2018	0.0015 (J)	
9/11/2018	<0.005	
3/8/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

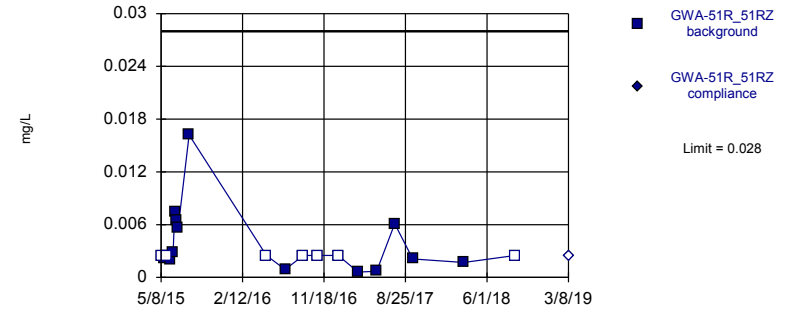


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 8/26/2019 4:11 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

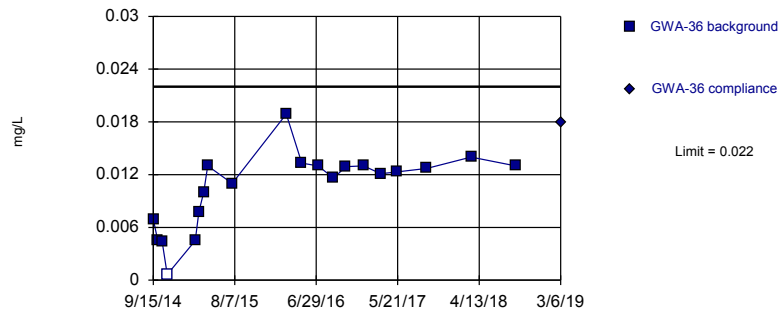


Background Data Summary (based on cube root transformation) (after Aitchison's Adjustment): Mean=0.0954, Std. Dev.=0.08182, n=20, 35% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8777, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Arsenic Analysis Run 8/26/2019 4:11 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

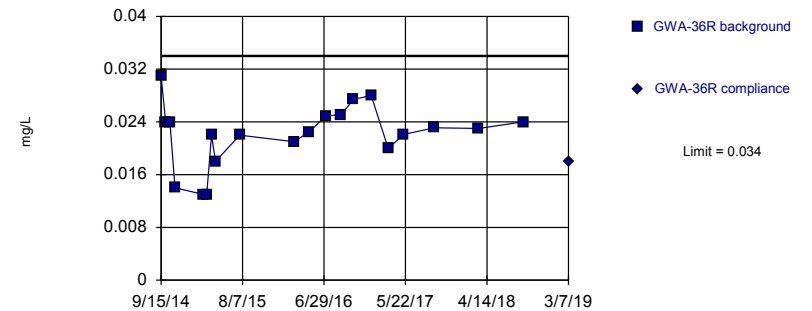


Background Data Summary: Mean=0.01048, Std. Dev.=0.004354, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8956, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/26/2019 4:11 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.02211, Std. Dev.=0.004732, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9286, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/26/2019 4:11 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.01	
5/4/2016	<0.005	
7/18/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	0.0004 (J)	
5/19/2017	0.0005 (J)	
9/19/2017	<0.005	
3/13/2018	0.00073 (J)	
9/11/2018	<0.005	
3/8/2019		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	<0.005	
5/17/2015	0.0021 (J)	
5/25/2015	<0.005	
6/8/2015	0.002 (J)	
6/18/2015	0.0028 (J)	
6/24/2015	0.0074	
6/30/2015	0.0065	
7/6/2015	0.0057	
8/12/2015	0.0162	
5/4/2016	<0.005 (D)	
7/7/2016	0.0009 (JD)	
9/8/2016	<0.005 (D)	
10/26/2016	<0.005 (D)	
1/6/2017	<0.005 (D)	
3/15/2017	0.0006 (JD)	
5/18/2017	0.0007 (JD)	
7/19/2017	0.0061 (D)	
9/19/2017	0.0021 (JD)	
3/13/2018	0.0017 (J)	
9/7/2018	<0.005	
3/8/2019		<0.005

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	0.0069	
10/3/2014	0.0045	
10/20/2014	0.0044	
11/10/2014	<0.0013	
3/2/2015	0.0045	
3/17/2015	0.0078	
4/5/2015	0.01	
4/21/2015	0.013	
7/28/2015	0.011	
3/1/2016	0.0189	
5/2/2016	0.0133	
7/7/2016	0.013	
9/7/2016	0.0116	
10/25/2016	0.0129	
1/5/2017	0.013	
3/15/2017	0.0121	
5/17/2017	0.0123	
9/15/2017	0.0127	
3/12/2018	0.014	
9/6/2018	0.013	
3/6/2019		0.018

# Prediction Limit

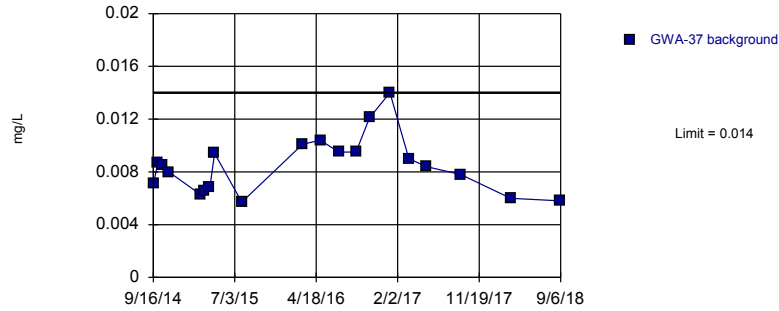
Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
9/15/2014	0.031	
10/3/2014	0.024	
10/20/2014	0.024	
11/10/2014	0.014	
3/2/2015	0.013	
3/17/2015	0.013	
4/5/2015	0.022	
4/21/2015	0.018	
7/28/2015	0.022	
3/1/2016	0.021	
5/2/2016	0.0225	
7/6/2016	0.0249	
9/7/2016	0.0251	
10/25/2016	0.0274	
1/5/2017	0.028	
3/14/2017	0.02	
5/16/2017	0.0221	
9/15/2017	0.0231	
3/12/2018	0.023	
9/6/2018	0.024	
3/7/2019		0.018



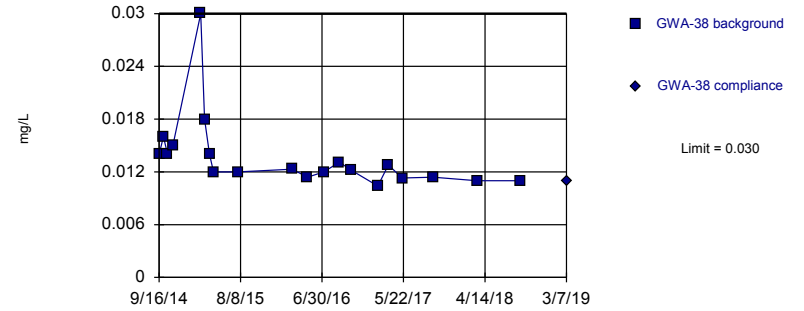
Prediction Limit  
Intrawell Parametric, GWA-37 (bg)



Background Data Summary: Mean=0.008485, Std. Dev.=0.002151, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9361, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Barium Analysis Run 8/26/2019 4:11 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

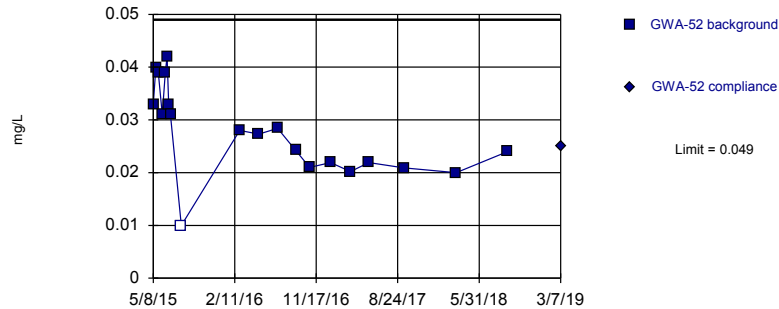
Within Limit Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 8/26/2019 4:11 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.02779, Std. Dev.=0.008281, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9552, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/26/

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37
9/16/2014	0.0071
10/3/2014	0.0087
10/20/2014	0.0085
11/10/2014	0.008
3/2/2015	0.0063
3/17/2015	0.0066
4/5/2015	0.0068
4/22/2015	0.0094
7/28/2015	0.0057
3/1/2016	0.0101
5/3/2016	0.0104
7/8/2016	0.0095 (J)
9/7/2016	0.0095 (J)
10/25/2016	0.0121
1/6/2017	0.014
3/14/2017	0.009 (J)
5/16/2017	0.0084 (J)
9/15/2017	0.0078 (J)
3/12/2018	0.006 (J)
9/6/2018	0.0058 (J)
3/6/2019	0.0052 (X)

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	0.014	
10/3/2014	0.016	
10/20/2014	0.014	
11/10/2014	0.015	
3/2/2015	0.03	
3/17/2015	0.018	
4/6/2015	0.014	
4/22/2015	0.012	
7/28/2015	0.012	
3/2/2016	0.0123	
5/3/2016	0.0114	
7/7/2016	0.012	
9/8/2016	0.0131	
10/25/2016	0.0122	
2/9/2017	0.0104	
3/23/2017	0.0128	
5/17/2017	0.0113	
9/19/2017	0.0114	
3/13/2018	0.011	
9/6/2018	0.011	
3/7/2019		0.011

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	0.033	
5/17/2015	0.04	
5/25/2015	0.039	
6/8/2015	0.031	
6/18/2015	0.039	
6/24/2015	0.042	
6/30/2015	0.033	
7/6/2015	0.031	
8/12/2015	<0.02	
2/29/2016	0.028	
5/4/2016	0.0273	
7/8/2016	0.0284	
9/8/2016	0.0242	
10/26/2016	0.021	
1/6/2017	0.0219	
3/15/2017	0.0202	
5/17/2017	0.0219	
9/15/2017	0.0209	
3/13/2018	0.02	
9/6/2018	0.024	
3/7/2019		0.025

# Prediction Limit

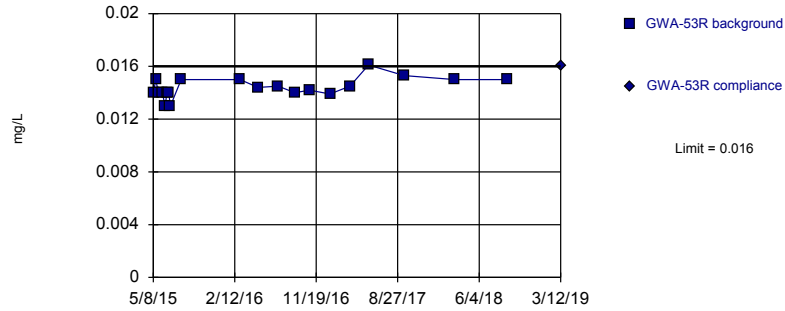
Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/9/2015	0.044	
5/18/2015	0.04	
5/25/2015	0.036	
6/8/2015	0.028	
6/17/2015	0.026	
6/24/2015	0.021	
6/30/2015	0.018	
7/6/2015	0.018	
8/12/2015	<0.02	
3/2/2016	0.017	
5/3/2016	0.016	
7/8/2016	0.0156	
9/8/2016	0.0144	
10/26/2016	0.0128	
1/9/2017	0.0134	
3/16/2017	0.0129	
5/19/2017	0.0141	
9/19/2017	0.0127	
3/13/2018	0.013	
9/11/2018	0.013	
3/8/2019		0.012

Within Limit

Prediction Limit  
Intrawell Parametric

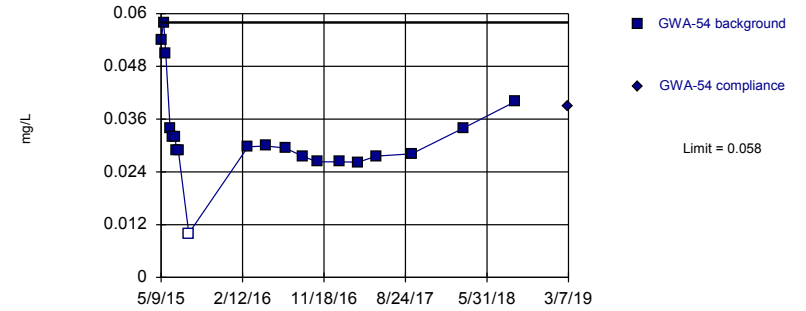


Background Data Summary: Mean=0.0144, Std. Dev.=0.0007501, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9338, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/26/2019 4:11 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

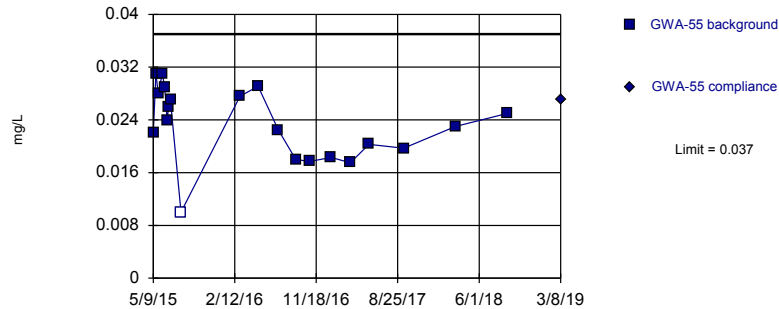


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 5% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 8/26/2019 4:12 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

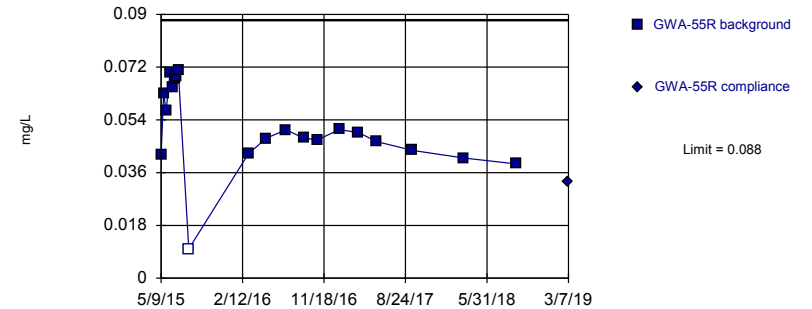


Background Data Summary: Mean=0.02333, Std. Dev.=0.005472, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9513, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/26/2019 4:12 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.05106, Std. Dev.=0.0144, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8917, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/26/2019 4:12 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	0.014	
5/17/2015	0.015	
5/25/2015	0.014	
6/8/2015	0.014	
6/18/2015	0.013	
6/24/2015	0.014	
6/30/2015	0.014	
7/6/2015	0.013	
8/12/2015	0.015 (J)	
3/2/2016	0.015	
5/3/2016	0.0144	
7/11/2016	0.0145	
9/7/2016	0.014	
10/27/2016	0.0142	
1/6/2017	0.0139	
3/16/2017	0.0145	
5/19/2017	0.0161	
9/19/2017	0.0153	
3/13/2018	0.015	
9/11/2018	0.015	
3/12/2019		0.016

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	0.054	
5/18/2015	0.058	
5/25/2015	0.051	
6/9/2015	0.034	
6/17/2015	0.032	
6/25/2015	0.032	
7/1/2015	0.029	
7/7/2015	0.029	
8/12/2015	<0.02	
3/2/2016	0.0297	
5/4/2016	0.0299	
7/8/2016	0.0294	
9/8/2016	0.0275	
10/26/2016	0.0263	
1/9/2017	0.0263	
3/15/2017	0.0262	
5/18/2017	0.0276	
9/15/2017	0.0281	
3/13/2018	0.034	
9/6/2018	0.04	
3/7/2019		0.039



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/9/2015	0.022	
5/18/2015	0.031	
5/26/2015	0.028	
6/9/2015	0.031	
6/17/2015	0.029	
6/25/2015	0.024	
7/1/2015	0.026	
7/7/2015	0.027	
8/12/2015	<0.02	
3/2/2016	0.0276	
5/3/2016	0.0291	
7/11/2016	0.0225	
9/9/2016	0.018	
10/26/2016	0.0177	
1/9/2017	0.0183	
3/16/2017	0.0175	
5/18/2017	0.0203	
9/15/2017	0.0197	
3/12/2018	0.023	
9/7/2018	0.025	
3/8/2019		0.027

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/9/2015	0.042	
5/18/2015	0.063	
5/26/2015	0.057	
6/9/2015	0.07	
6/17/2015	0.065	
6/25/2015	0.068	
7/1/2015	0.069	
7/7/2015	0.071	
8/12/2015	<0.02	
3/3/2016	0.0424	
5/3/2016	0.0477	
7/11/2016	0.0506	
9/9/2016	0.0478	
10/27/2016	0.0472	
1/9/2017	0.0507	
3/16/2017	0.0497	
5/18/2017	0.0466	
9/18/2017	0.0436	
3/12/2018	0.041	
9/7/2018	0.039	
3/7/2019		0.033



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/9/2015	0.018	
5/19/2015	0.02	
5/26/2015	0.02	
6/9/2015	0.02	
6/17/2015	0.019	
6/25/2015	0.019	
7/1/2015	0.018	
7/7/2015	0.019	
8/12/2015	<0.02	
3/3/2016	0.0259	
5/9/2016	0.0236	
7/11/2016	0.0295	
9/9/2016	0.0259	
10/26/2016	0.0231	
1/9/2017	0.0273	
3/15/2017	0.0286	
5/18/2017	0.0253	
9/15/2017	0.0247	
3/13/2018	0.031	
9/7/2018	0.034	
3/7/2019		0.042

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	0.069	
10/4/2014	0.057	
10/21/2014	0.056	
11/11/2014	0.05	
3/3/2015	0.045	
3/18/2015	0.044	
4/6/2015	0.045	
4/23/2015	0.041	
7/29/2015	0.043	
3/3/2016	0.0806 (D)	
5/10/2016	0.0495	
7/13/2016	0.0374	
9/15/2016	0.0542	
11/2/2016	0.0561	
1/11/2017	0.0401	
3/20/2017	0.0383	
5/23/2017	0.0376	
9/21/2017	0.0418	
3/14/2018	0.036	
9/7/2018	0.047	
3/11/2019		0.044

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	0.019	
10/4/2014	0.02	
10/21/2014	0.02	
11/11/2014	0.021	
3/3/2015	0.02	
3/18/2015	0.019	
4/6/2015	0.02	
4/23/2015	0.019	
7/29/2015	0.02	
3/4/2016	0.0262 (J)	
5/10/2016	0.0204	
7/14/2016	0.0198	
9/14/2016	0.0183	
11/1/2016	0.0209	
1/11/2017	0.0194	
3/21/2017	0.0201	
5/23/2017	0.0199	
9/22/2017	0.0195	
3/14/2018	0.02	
9/11/2018	0.019	
3/12/2019		0.021

# Prediction Limit

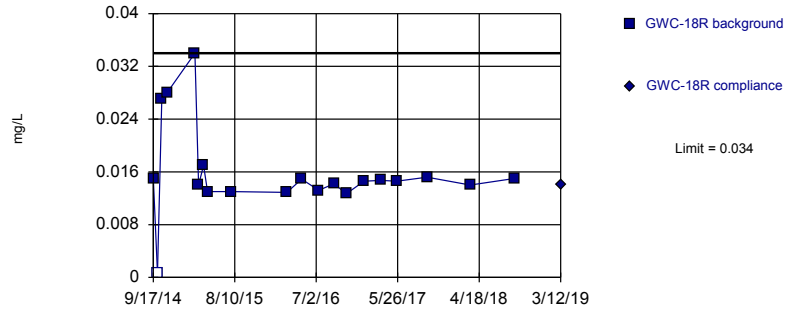
Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	0.035	
10/4/2014	0.038	
10/21/2014	0.034	
11/5/2014	0.04	
3/3/2015	0.033	
3/18/2015	0.031	
4/7/2015	0.038	
4/23/2015	0.031	
7/29/2015	0.045	
3/7/2016	0.021	
5/5/2016	0.0278	
7/13/2016	0.0255	
9/13/2016	0.0251	
10/31/2016	0.0277	
1/12/2017	0.0258	
3/23/2017	0.0254	
5/23/2017	0.0247	
9/25/2017	0.0228	
3/14/2018	0.025	
9/11/2018	0.019	
3/12/2019		0.014

Within Limit

Prediction Limit  
Intrawell Non-parametric

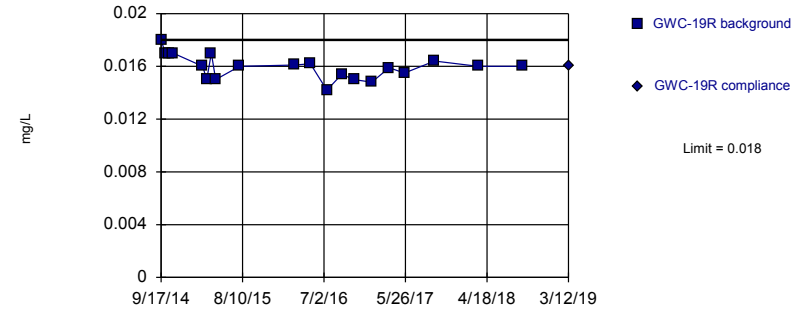


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 5% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 8/26/2019 4:12 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

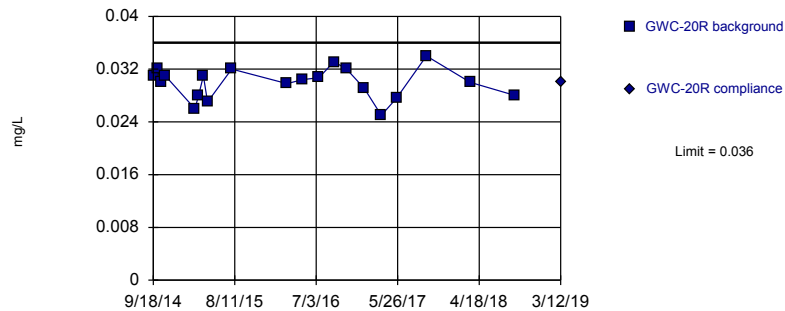


Background Data Summary: Mean=0.01598, Std. Dev.=0.0009318, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9655, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/26/2019 4:12 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

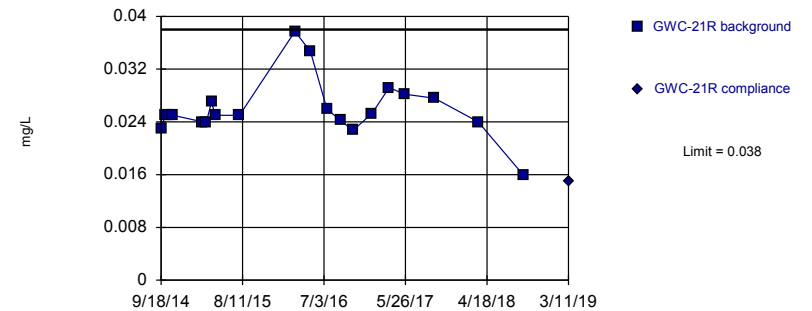


Background Data Summary: Mean=0.02989, Std. Dev.=0.002362, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9722, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/26/2019 4:12 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 8/26/2019 4:12 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	0.015	
10/4/2014	<0.0013	
10/21/2014	0.027	
11/11/2014	0.028	
3/3/2015	0.034	
3/18/2015	0.014	
4/7/2015	0.017	
4/23/2015	0.013	
7/29/2015	0.013	
3/7/2016	0.0129	
5/5/2016	0.0149	
7/13/2016	0.0132	
9/12/2016	0.0142	
11/1/2016	0.0127	
1/11/2017	0.0146	
3/20/2017	0.0147	
5/22/2017	0.0146	
9/21/2017	0.0152	
3/14/2018	0.014	
9/7/2018	0.015	
3/12/2019		0.014

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	0.018	
10/4/2014	0.017	
10/21/2014	0.017	
11/5/2014	0.017	
3/3/2015	0.016	
3/19/2015	0.015	
4/7/2015	0.017	
4/24/2015	0.015	
7/29/2015	0.016	
3/7/2016	0.0161	
5/9/2016	0.0162	
7/14/2016	0.0142	
9/12/2016	0.0154	
10/31/2016	0.015	
1/11/2017	0.0148	
3/21/2017	0.0159	
5/22/2017	0.0155	
9/20/2017	0.0164	
3/14/2018	0.016	
9/10/2018	0.016	
3/12/2019		0.016

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	0.031	
10/5/2014	0.032	
10/22/2014	0.03	
11/5/2014	0.031	
3/4/2015	0.026	
3/19/2015	0.028	
4/7/2015	0.031	
4/24/2015	0.027	
7/30/2015	0.032	
3/8/2016	0.0298	
5/9/2016	0.0304	
7/14/2016	0.0307	
9/12/2016	0.0331	
10/31/2016	0.0321	
1/12/2017	0.0291	
3/22/2017	0.025	
5/22/2017	0.0276	
9/19/2017	0.034	
3/14/2018	0.03	
9/10/2018	0.028	
3/12/2019		0.03

# Prediction Limit

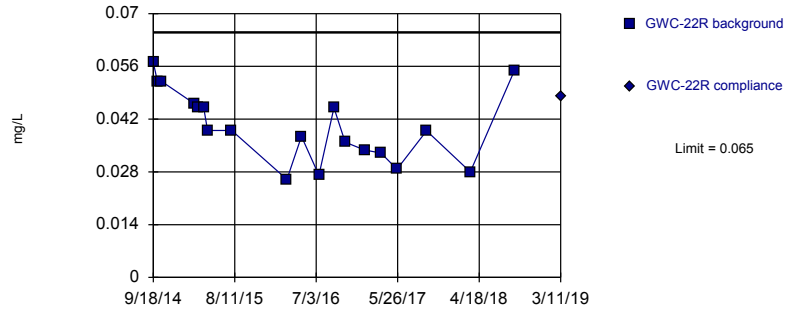
Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
9/18/2014	0.023	
10/5/2014	0.025	
10/22/2014	0.025	
11/5/2014	0.025	
3/4/2015	0.024	
3/19/2015	0.024	
4/8/2015	0.027	
4/24/2015	0.025	
7/30/2015	0.025	
3/8/2016	0.0377	
5/9/2016	0.0347	
7/15/2016	0.0259	
9/9/2016	0.0242	
10/27/2016	0.0227	
1/12/2017	0.0253	
3/21/2017	0.0292	
5/23/2017	0.0282	
9/19/2017	0.0276	
3/14/2018	0.024	
9/10/2018	0.016	
3/11/2019		0.015

Within Limit

Prediction Limit  
Intrawell Parametric

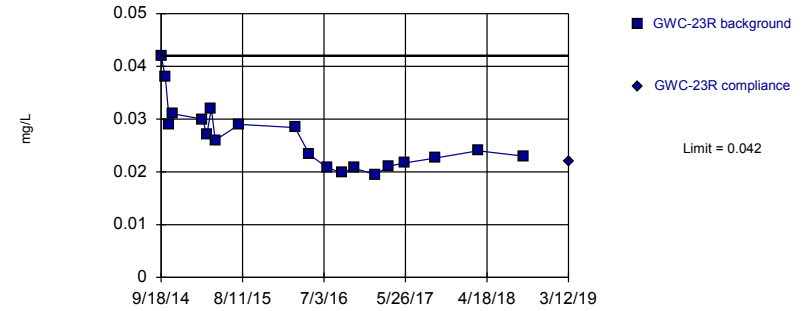


Background Data Summary: Mean=0.0402, Std. Dev.=0.009605, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.951, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/26/2019 4:12 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

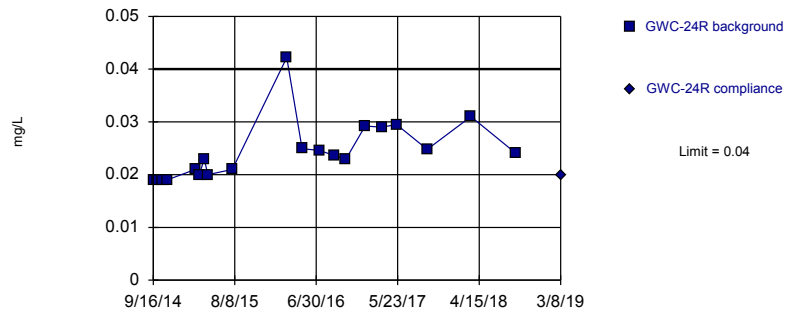


Background Data Summary: Mean=0.02645, Std. Dev.=0.006104, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8978, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/26/2019 4:12 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

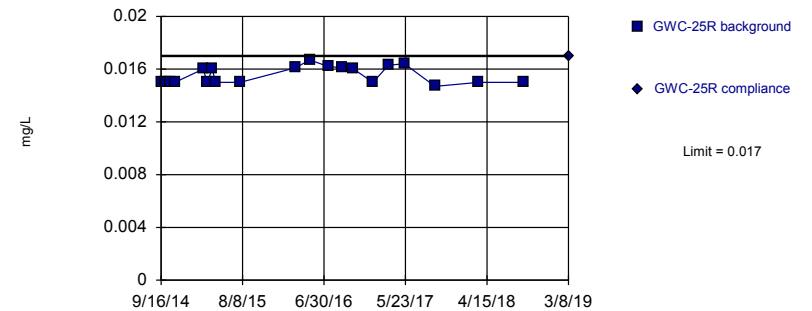


Background Data Summary (based on cube root transformation): Mean=0.2883, Std. Dev.=0.02078, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8744, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/26/2019 4:13 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 8/26/2019 4:13 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
9/18/2014	0.057	
10/5/2014	0.052	
10/22/2014	0.052	
11/5/2014	<0.0013 (o)	
3/4/2015	0.046	
3/19/2015	0.045	
4/8/2015	0.045	
4/24/2015	0.039	
7/30/2015	0.039	
3/7/2016	0.026	
5/5/2016	0.0374	
7/14/2016	0.0271	
9/12/2016	0.045	
10/27/2016	0.0359	
1/13/2017	0.0338	
3/20/2017	0.033	
5/23/2017	0.0287	
9/19/2017	0.0389	
3/13/2018	0.028	
9/7/2018	0.055	
3/11/2019		0.048

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	0.042	
10/5/2014	0.038	
10/22/2014	0.029	
11/5/2014	0.031	
3/4/2015	0.03	
3/20/2015	0.027	
4/8/2015	0.032	
4/23/2015	0.026	
7/30/2015	0.029	
3/9/2016	0.0284 (J)	
5/6/2016	0.0233	
7/15/2016	0.0208	
9/14/2016	0.0198	
11/1/2016	0.0207	
1/25/2017	0.0195	
3/22/2017	0.0211	
5/24/2017	0.0217	
9/21/2017	0.0226	
3/14/2018	0.024	
9/11/2018	0.023	
3/12/2019		0.022

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	0.019	
10/4/2014	0.019	
10/23/2014	0.019	
11/10/2014	0.019	
3/4/2015	0.021	
3/20/2015	0.02	
4/8/2015	0.023	
4/23/2015	0.02	
7/30/2015	0.021	
3/4/2016	0.0422	
5/5/2016	0.0249	
7/12/2016	0.0246	
9/13/2016	0.0236	
10/27/2016	0.0229	
1/13/2017	0.0292	
3/20/2017	0.029	
5/19/2017	0.0295	
9/19/2017	0.0248	
3/13/2018	0.031	
9/11/2018	0.024	
3/8/2019		0.02



# Prediction Limit

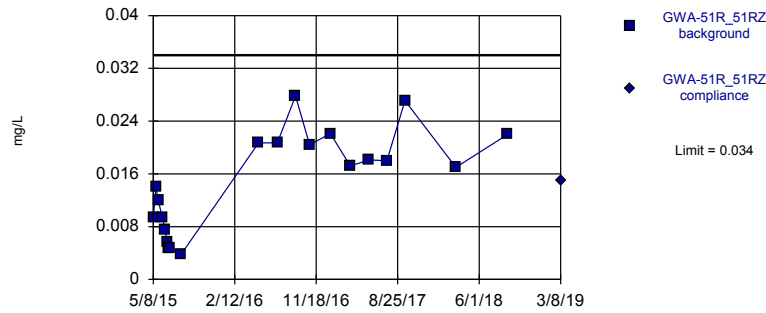
Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	0.015	
10/4/2014	0.015	
10/23/2014	0.015	
11/10/2014	0.015	
3/4/2015	0.016	
3/20/2015	0.015	
4/9/2015	0.016	
4/23/2015	0.015	
7/30/2015	0.015	
3/8/2016	0.0161	
5/4/2016	0.0167	
7/18/2016	0.0162	
9/13/2016	0.0161	
10/27/2016	0.016	
1/13/2017	0.015	
3/16/2017	0.0163	
5/19/2017	0.0164	
9/19/2017	0.0147	
3/13/2018	0.015	
9/11/2018	0.015	
3/8/2019		0.017

Within Limit

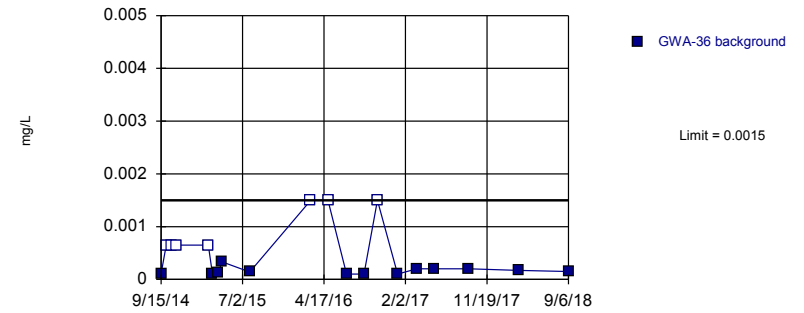
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.01511, Std. Dev.=0.007558, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9362, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 8/26/2019 4:13 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

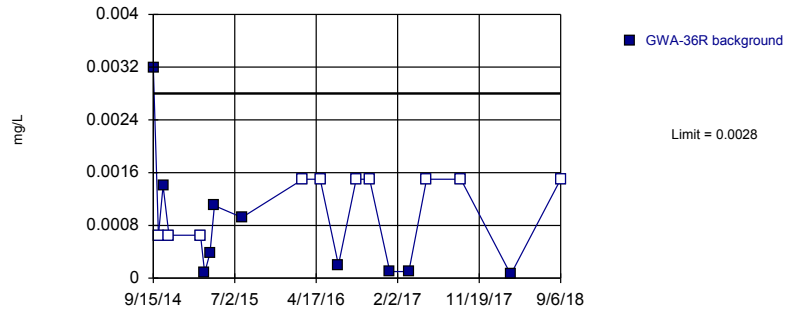
Prediction Limit  
Intrawell Non-parametric, GWA-36 (bg)



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 35% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/26/2019 4:13 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit  
Intrawell Parametric, GWA-36R (bg)

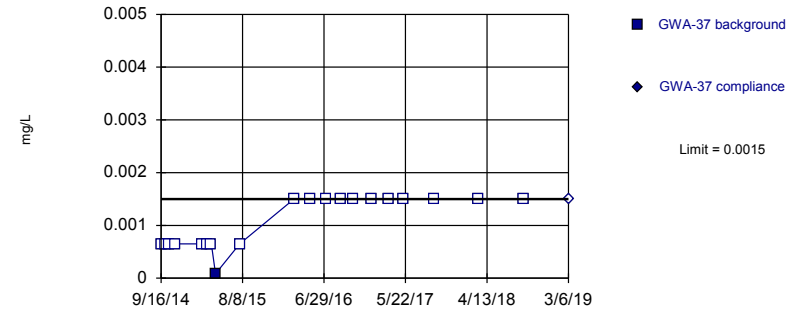


Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=0.01139, Std. Dev.=0.01613, n=20, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/26/2019 4:13 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:13 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	0.0094	
5/17/2015	0.014	
5/25/2015	0.012	
6/8/2015	0.0094	
6/18/2015	0.0075	
6/24/2015	0.0056	
6/30/2015	0.0047	
7/6/2015	0.0047	
8/12/2015	0.00383 (J)	
5/4/2016	0.0207 (D)	
7/7/2016	0.0207 (D)	
9/8/2016	0.0278 (D)	
10/26/2016	0.0204 (D)	
1/6/2017	0.0221 (D)	
3/15/2017	0.0172 (D)	
5/18/2017	0.0181 (D)	
7/19/2017	0.018 (D)	
9/19/2017	0.0271 (D)	
3/13/2018	0.017	
9/7/2018	0.022	
3/8/2019		0.015

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36
9/15/2014	0.00011 (J)
10/3/2014	<0.0013
10/20/2014	<0.0013
11/10/2014	<0.0013
3/2/2015	<0.0013
3/17/2015	0.0001 (J)
4/5/2015	0.00012 (J)
4/21/2015	0.00033 (J)
7/28/2015	0.00014 (J)
3/1/2016	<0.003
5/2/2016	<0.003
7/7/2016	0.0001 (J)
9/7/2016	0.0001 (J)
10/25/2016	<0.003
1/5/2017	0.0001 (J)
3/15/2017	0.0002 (J)
5/17/2017	0.0002 (J)
9/15/2017	0.0002 (J)
3/12/2018	0.00017 (J)
9/6/2018	0.00015 (J)
3/6/2019	0.00029 (X)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R
9/15/2014	0.0032
10/3/2014	<0.0013
10/20/2014	0.0014
11/10/2014	<0.0013
3/2/2015	<0.0013
3/17/2015	8.3E-05 (J)
4/5/2015	0.00038 (J)
4/21/2015	0.0011 (J)
7/28/2015	0.00092 (J)
3/1/2016	<0.003
5/2/2016	<0.003
7/6/2016	0.0002 (J)
9/7/2016	<0.003
10/25/2016	<0.003
1/5/2017	0.0001 (J)
3/14/2017	0.0001 (J)
5/16/2017	<0.003
9/15/2017	<0.003
3/12/2018	5.6E-05 (J)
9/6/2018	<0.003
3/7/2019	6.8E-05 (X)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

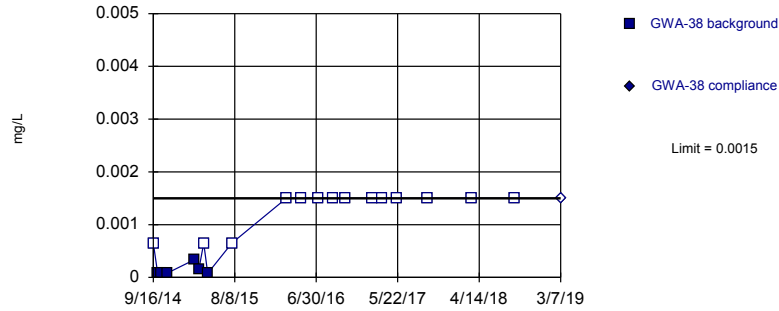
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37	GWA-37
9/16/2014	<0.0013	
10/3/2014	<0.0013	
10/20/2014	<0.0013	
11/10/2014	<0.0013	
3/2/2015	<0.0013	
3/17/2015	<0.0013	
4/5/2015	<0.0013	
4/22/2015	8.3E-05 (J)	
7/28/2015	<0.0013	
3/1/2016	<0.003	
5/3/2016	<0.003	
7/8/2016	<0.003	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/6/2017	<0.003	
3/14/2017	<0.003	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/6/2018	<0.003	
3/6/2019		<0.003

Within Limit

Prediction Limit  
Intrawell Non-parametric

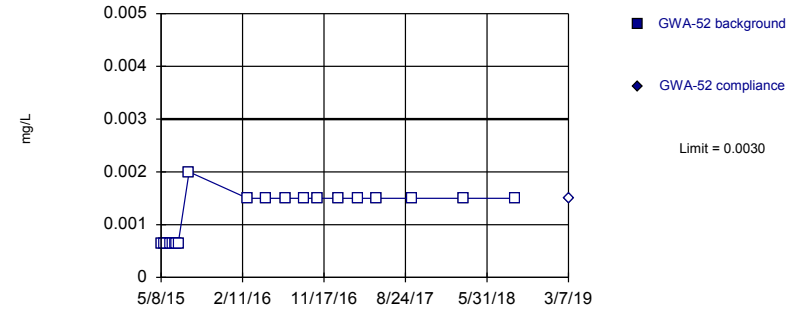


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:13 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

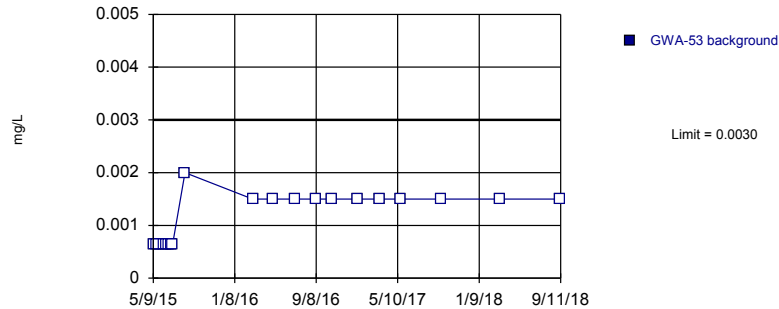


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:13 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWA-53 (bg)

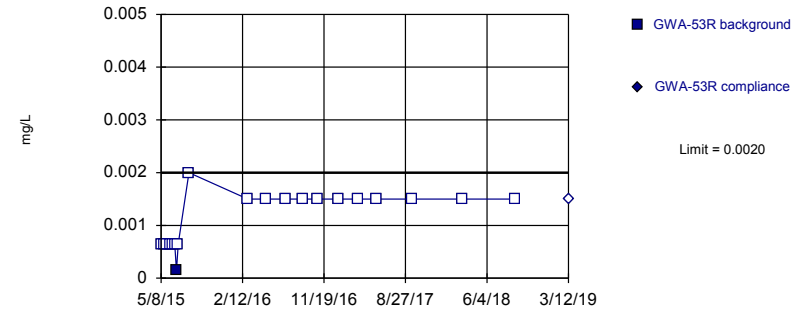


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/26/2019 4:13 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:13 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	<0.0013	
10/3/2014	8.3E-05 (J)	
10/20/2014	7.8E-05 (J)	
11/10/2014	8E-05 (J)	
3/2/2015	0.00034 (J)	
3/17/2015	0.00014 (J)	
4/6/2015	<0.0013	
4/22/2015	7.8E-05 (J)	
7/28/2015	<0.0013	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/7/2016	<0.003	
9/8/2016	<0.003	
10/25/2016	<0.003	
2/9/2017	<0.003	
3/23/2017	<0.003	
5/17/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/6/2018	<0.003	
3/7/2019		<0.003



# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.0013	
5/17/2015	<0.0013	
5/25/2015	<0.0013	
6/8/2015	<0.0013	
6/18/2015	<0.0013	
6/24/2015	<0.0013	
6/30/2015	<0.0013	
7/6/2015	<0.0013	
8/12/2015	<0.004	
2/29/2016	<0.003	
5/4/2016	<0.003	
7/8/2016	<0.003	
9/8/2016	<0.003	
10/26/2016	<0.003	
1/6/2017	<0.003	
3/15/2017	<0.003	
5/17/2017	<0.003	
9/15/2017	<0.003	
3/13/2018	<0.003	
9/6/2018	<0.003	
3/7/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53
5/9/2015	<0.0013
5/18/2015	<0.0013
5/25/2015	<0.0013
6/8/2015	<0.0013
6/17/2015	<0.0013
6/24/2015	<0.0013
6/30/2015	<0.0013
7/6/2015	<0.0013
8/12/2015	<0.004
3/2/2016	<0.003
5/3/2016	<0.003
7/8/2016	<0.003
9/8/2016	<0.003
10/26/2016	<0.003
1/9/2017	<0.003
3/16/2017	<0.003
5/19/2017	<0.003
9/19/2017	<0.003
3/13/2018	<0.003
9/11/2018	<0.003
3/8/2019	5.7E-05 (X)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

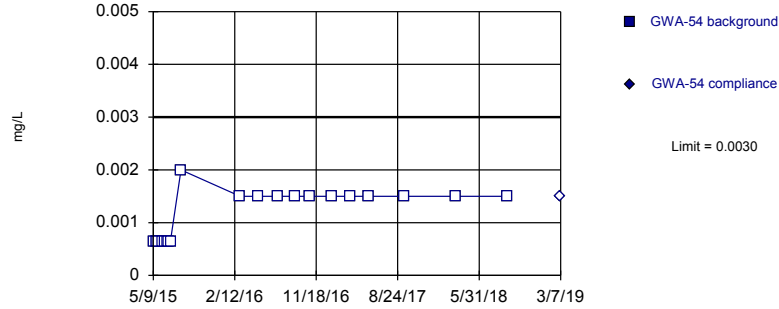
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	<0.0013	
5/17/2015	<0.0013	
5/25/2015	<0.0013	
6/8/2015	<0.0013	
6/18/2015	<0.0013	
6/24/2015	<0.0013	
6/30/2015	0.00014 (J)	
7/6/2015	<0.0013	
8/12/2015	<0.004	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/11/2016	<0.003	
9/7/2016	<0.003	
10/27/2016	<0.003	
1/6/2017	<0.003	
3/16/2017	<0.003	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003

Within Limit

Prediction Limit  
Intrawell Non-parametric

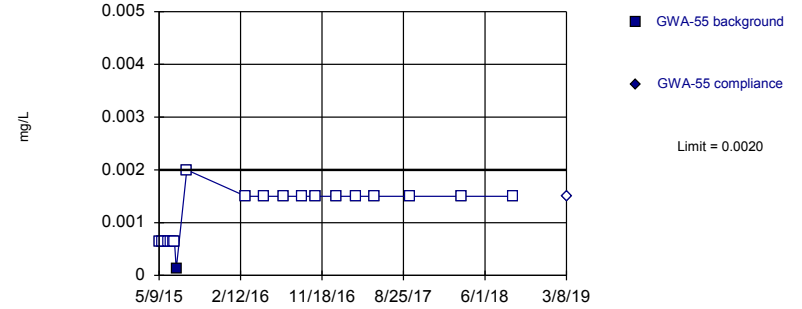


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:13 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

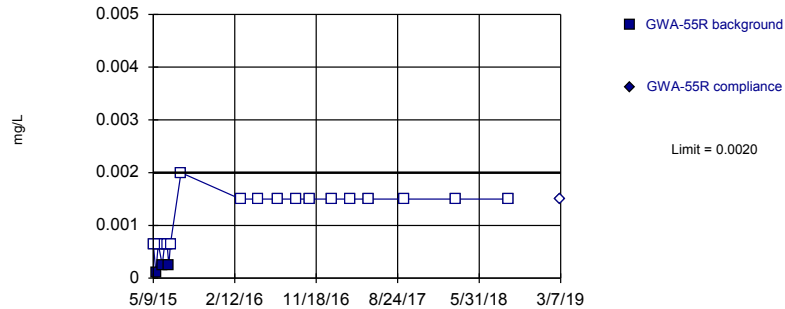


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:13 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

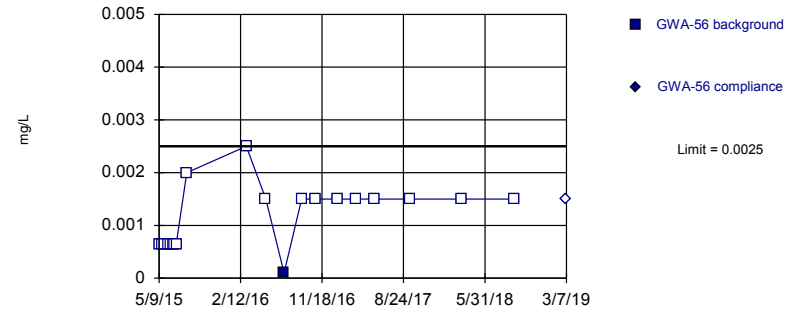


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:13 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	<0.0013	
5/18/2015	<0.0013	
5/25/2015	<0.0013	
6/9/2015	<0.0013	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	<0.0013	
7/7/2015	<0.0013	
8/12/2015	<0.004	
3/2/2016	<0.003	
5/4/2016	<0.003	
7/8/2016	<0.003	
9/8/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/15/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/13/2018	<0.003	
9/6/2018	<0.003	
3/7/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/9/2015	<0.0013	
5/18/2015	<0.0013	
5/26/2015	<0.0013	
6/9/2015	<0.0013	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	<0.0013	
7/7/2015	0.00012 (J)	
8/12/2015	<0.004	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/11/2016	<0.003	
9/9/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/16/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/7/2018	<0.003	
3/8/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/9/2015	<0.0013	
5/18/2015	0.00011 (J)	
5/26/2015	<0.0013	
6/9/2015	0.00025 (J)	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	0.00024 (J)	
7/7/2015	<0.0013	
8/12/2015	<0.004	
3/3/2016	<0.003	
5/3/2016	<0.003	
7/11/2016	<0.003	
9/9/2016	<0.003	
10/27/2016	<0.003	
1/9/2017	<0.003	
3/16/2017	<0.003	
5/18/2017	<0.003	
9/18/2017	<0.003	
3/12/2018	<0.003	
9/7/2018	<0.003	
3/7/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

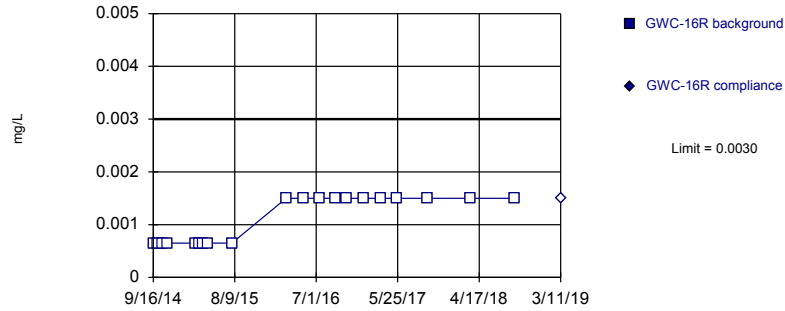
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	GWA-56	GWA-56
5/9/2015	<0.0013	
5/19/2015	<0.0013	
5/26/2015	<0.0013	
6/9/2015	<0.0013	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	<0.0013	
7/7/2015	<0.0013	
8/12/2015	<0.004	
3/3/2016	<0.005	
5/9/2016	<0.003	
7/11/2016	0.0001 (J)	
9/9/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/15/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/7/2019		<0.003



Within Limit

Prediction Limit  
Intrawell Non-parametric

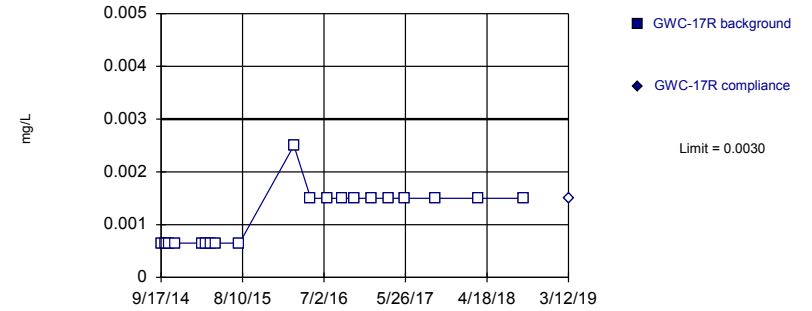


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

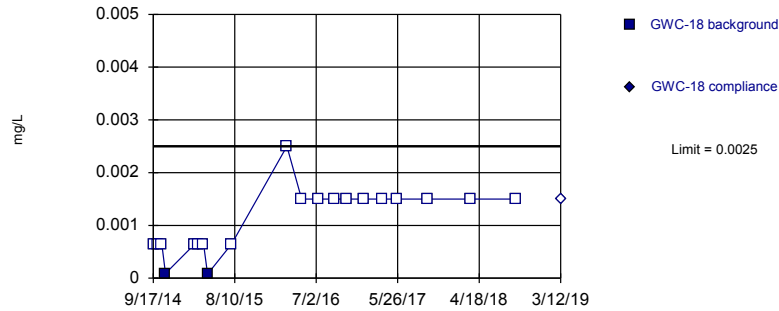


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

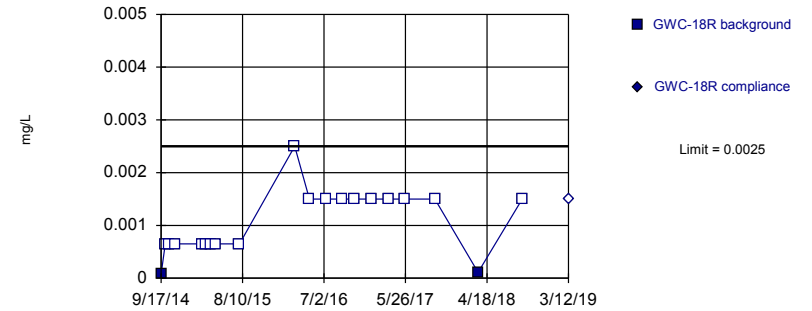


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	<0.0013	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/11/2014	<0.0013	
3/3/2015	<0.0013	
3/18/2015	<0.0013	
4/6/2015	<0.0013	
4/23/2015	<0.0013	
7/29/2015	<0.0013	
3/3/2016	<0.003 (D)	
5/10/2016	<0.003	
7/13/2016	<0.003	
9/15/2016	<0.003	
11/2/2016	<0.003	
1/11/2017	<0.003	
3/20/2017	<0.003	
5/23/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	<0.003	
9/7/2018	<0.003	
3/11/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	<0.0013	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/11/2014	<0.0013	
3/3/2015	<0.0013	
3/18/2015	<0.0013	
4/6/2015	<0.0013	
4/23/2015	<0.0013	
7/29/2015	<0.0013	
3/4/2016	<0.005	
5/10/2016	<0.003	
7/14/2016	<0.003	
9/14/2016	<0.003	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/23/2017	<0.003	
9/22/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	<0.0013	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/5/2014	9E-05 (J)	
3/3/2015	<0.0013	
3/18/2015	<0.0013	
4/7/2015	<0.0013	
4/23/2015	7.8E-05 (J)	
7/29/2015	<0.0013	
3/7/2016	<0.005	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/13/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/23/2017	<0.003	
5/23/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

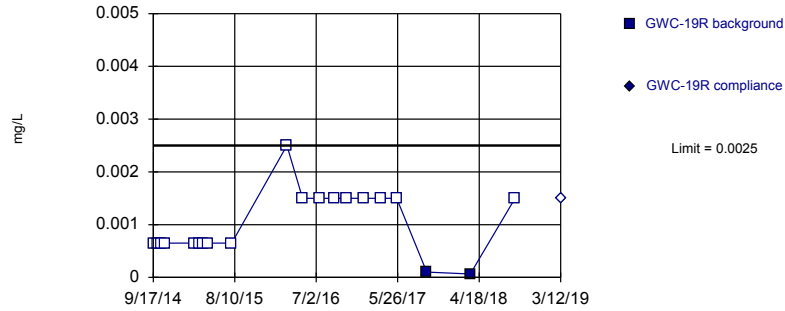
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	7.8E-05 (J)	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/11/2014	<0.0013	
3/3/2015	<0.0013	
3/18/2015	<0.0013	
4/7/2015	<0.0013	
4/23/2015	<0.0013	
7/29/2015	<0.0013	
3/7/2016	<0.005	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/12/2016	<0.003	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/20/2017	<0.003	
5/22/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	0.00011 (J)	
9/7/2018	<0.003	
3/12/2019		<0.003

Within Limit

Prediction Limit  
Intrawell Non-parametric

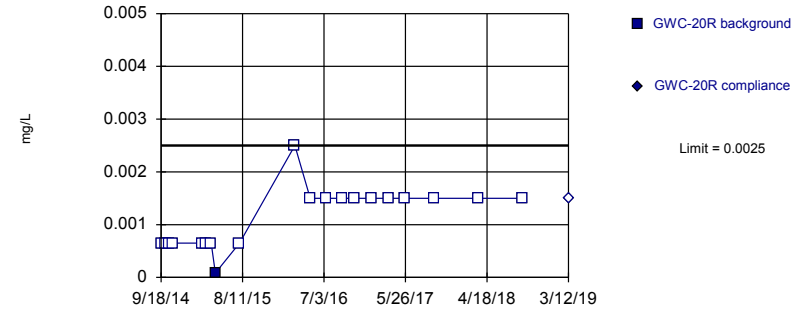


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

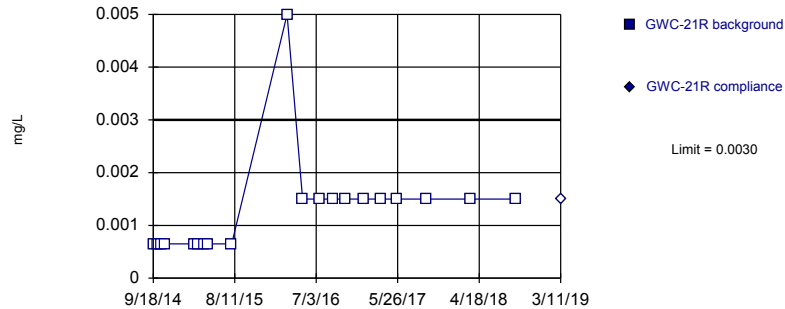


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

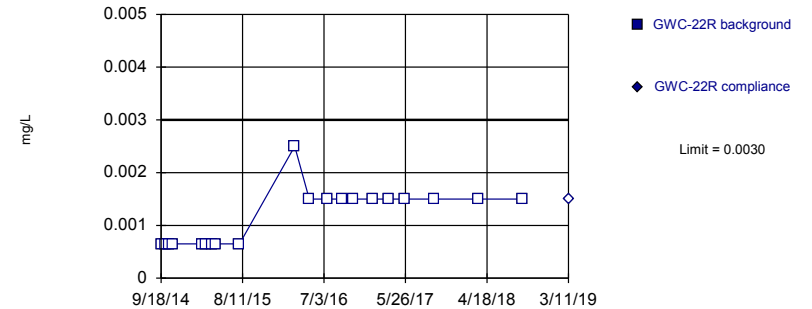


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	<0.0013	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/5/2014	<0.0013	
3/3/2015	<0.0013	
3/19/2015	<0.0013	
4/7/2015	<0.0013	
4/24/2015	<0.0013	
7/29/2015	<0.0013	
3/7/2016	<0.005	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/22/2017	<0.003	
9/20/2017	0.0001 (J)	
3/14/2018	6.5E-05 (J)	
9/10/2018	<0.003	
3/12/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	<0.0013	
3/4/2015	<0.0013	
3/19/2015	<0.0013	
4/7/2015	<0.0013	
4/24/2015	8.3E-05 (J)	
7/30/2015	<0.0013	
3/8/2016	<0.005	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/22/2017	<0.003	
5/22/2017	<0.003	
9/19/2017	<0.003	
3/14/2018	<0.003	
9/10/2018	<0.003	
3/12/2019		<0.003



# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	<0.0013	
3/4/2015	<0.0013	
3/19/2015	<0.0013	
4/8/2015	<0.0013	
4/24/2015	<0.0013	
7/30/2015	<0.0013	
3/8/2016	<0.01	
5/9/2016	<0.003	
7/15/2016	<0.003	
9/9/2016	<0.003	
10/27/2016	<0.003	
1/12/2017	<0.003	
3/21/2017	<0.003	
5/23/2017	<0.003	
9/19/2017	<0.003	
3/14/2018	<0.003	
9/10/2018	<0.003	
3/11/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

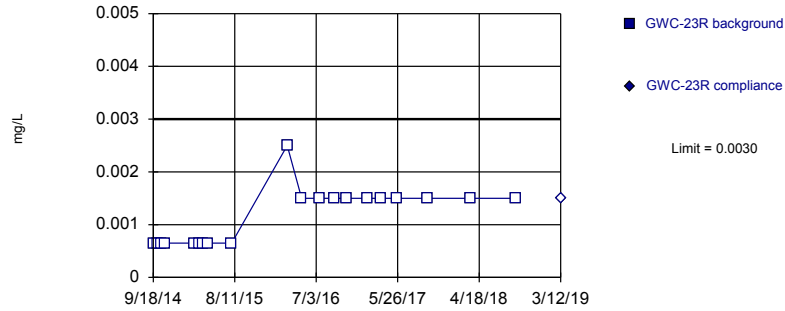
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	<0.0013	
3/4/2015	<0.0013	
3/19/2015	<0.0013	
4/8/2015	<0.0013	
4/24/2015	<0.0013	
7/30/2015	<0.0013	
3/7/2016	<0.005	
5/5/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/27/2016	<0.003	
1/13/2017	<0.003	
3/20/2017	<0.003	
5/23/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/11/2019		<0.003

Within Limit

Prediction Limit  
Intrawell Non-parametric

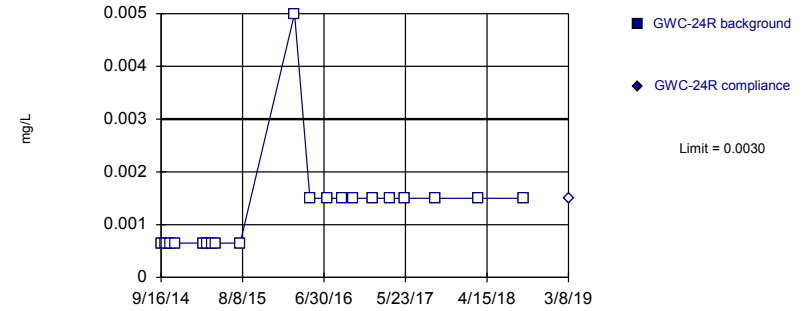


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

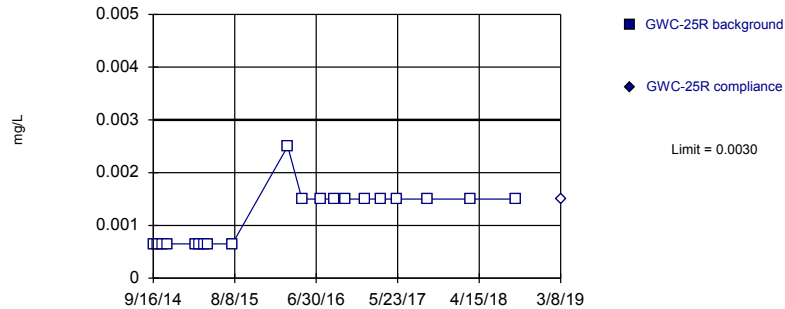


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

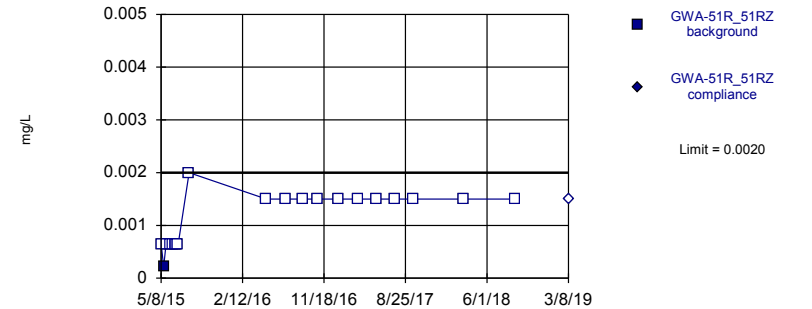


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	<0.0013	
3/4/2015	<0.0013	
3/20/2015	<0.0013	
4/8/2015	<0.0013	
4/23/2015	<0.0013	
7/30/2015	<0.0013	
3/9/2016	<0.005	
5/6/2016	<0.003	
7/15/2016	<0.003	
9/14/2016	<0.003	
11/1/2016	<0.003	
1/25/2017	<0.003	
3/22/2017	<0.003	
5/24/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	<0.0013	
10/4/2014	<0.0013	
10/23/2014	<0.0013	
11/10/2014	<0.0013	
3/4/2015	<0.0013	
3/20/2015	<0.0013	
4/8/2015	<0.0013	
4/23/2015	<0.0013	
7/30/2015	<0.0013	
3/4/2016	<0.01	
5/5/2016	<0.003	
7/12/2016	<0.003	
9/13/2016	<0.003	
10/27/2016	<0.003	
1/13/2017	<0.003	
3/20/2017	<0.003	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/11/2018	<0.003	
3/8/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	<0.0013	
10/4/2014	<0.0013	
10/23/2014	<0.0013	
11/10/2014	<0.0013	
3/4/2015	<0.0013	
3/20/2015	<0.0013	
4/9/2015	<0.0013	
4/23/2015	<0.0013	
7/30/2015	<0.0013	
3/8/2016	<0.005	
5/4/2016	<0.003	
7/18/2016	<0.003	
9/13/2016	<0.003	
10/27/2016	<0.003	
1/13/2017	<0.003	
3/16/2017	<0.003	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/11/2018	<0.003	
3/8/2019		<0.003

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

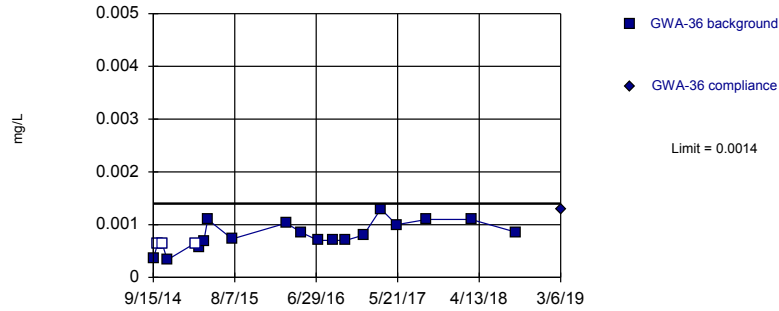
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	<0.0013	
5/17/2015	0.00022 (J)	
5/25/2015	<0.0013	
6/8/2015	<0.0013	
6/18/2015	<0.0013	
6/24/2015	<0.0013	
6/30/2015	<0.0013	
7/6/2015	<0.0013	
8/12/2015	<0.004	
5/4/2016	<0.003 (D)	
7/7/2016	<0.003 (D)	
9/8/2016	<0.003 (D)	
10/26/2016	<0.003 (D)	
1/6/2017	<0.003 (D)	
3/15/2017	<0.003 (D)	
5/18/2017	<0.003 (D)	
7/19/2017	<0.003 (D)	
9/19/2017	<0.003 (D)	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/8/2019		<0.003

Within Limit

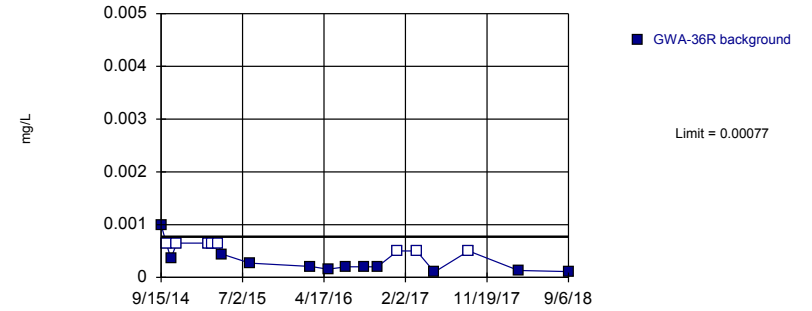
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.0007923, Std. Dev.=0.0002524, n=20, 15% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9525, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cadmium Analysis Run 8/26/2019 4:14 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

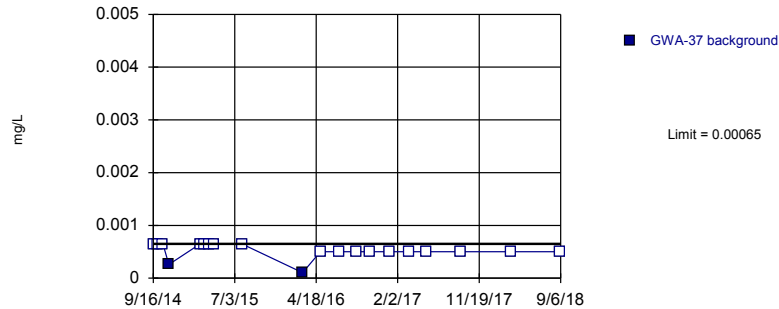
Prediction Limit  
Intrawell Parametric, GWA-36R (bg)



Background Data Summary (after Aitchison's Adjustment): Mean=0.0001686, Std. Dev.=0.0002355, n=20, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9013, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

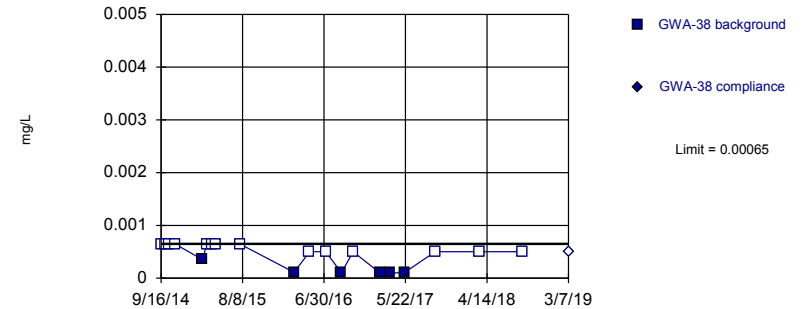
Prediction Limit  
Intrawell Non-parametric, GWA-37 (bg)



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	0.00035 (J)	
10/3/2014	<0.0013	
10/20/2014	<0.0013	
11/10/2014	0.00033 (J)	
3/2/2015	<0.0013	
3/17/2015	0.00057 (J)	
4/5/2015	0.00068 (J)	
4/21/2015	0.0011 (J)	
7/28/2015	0.00073 (J)	
3/1/2016	0.00103	
5/2/2016	0.000846 (J)	
7/7/2016	0.0007 (J)	
9/7/2016	0.0007 (J)	
10/25/2016	0.0007 (J)	
1/5/2017	0.0008 (J)	
3/15/2017	0.0013	
5/17/2017	0.001	
9/15/2017	0.0011	
3/12/2018	0.0011	
9/6/2018	0.00086 (J)	
3/6/2019		0.0013

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R
9/15/2014	0.001 (J)
10/3/2014	<0.0013
10/20/2014	0.00036 (J)
11/10/2014	<0.0013
3/2/2015	<0.0013
3/17/2015	<0.0013
4/5/2015	<0.0013
4/21/2015	0.00044 (J)
7/28/2015	0.00027 (J)
3/1/2016	0.000207 (J)
5/2/2016	0.000154 (J)
7/6/2016	0.0002 (J)
9/7/2016	0.0002 (J)
10/25/2016	0.0002 (J)
1/5/2017	<0.001 (*)
3/14/2017	<0.001 (*)
5/16/2017	0.0001 (J)
9/15/2017	<0.001
3/12/2018	0.00013 (J)
9/6/2018	0.00011 (J)
3/7/2019	0.00017 (X)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37
9/16/2014	<0.0013
10/3/2014	<0.0013
10/20/2014	<0.0013
11/10/2014	0.00026 (J)
3/2/2015	<0.0013
3/17/2015	<0.0013
4/5/2015	<0.0013
4/22/2015	<0.0013
7/28/2015	<0.0013
3/1/2016	0.000103 (J)
5/3/2016	<0.001
7/8/2016	<0.001
9/7/2016	<0.001
10/25/2016	<0.001
1/6/2017	<0.001 (*)
3/14/2017	<0.001 (*)
5/16/2017	<0.001
9/15/2017	<0.001
3/12/2018	<0.001
9/6/2018	<0.001
3/6/2019	9.3E-05 (X)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

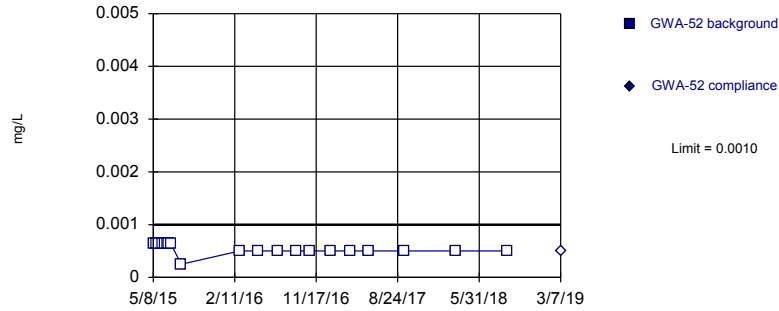
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	<0.0013	
10/3/2014	<0.0013	
10/20/2014	<0.0013	
11/10/2014	<0.0013	
3/2/2015	0.00035 (J)	
3/17/2015	<0.0013	
4/6/2015	<0.0013	
4/22/2015	<0.0013	
7/28/2015	<0.0013	
3/2/2016	0.000109 (J)	
5/3/2016	<0.001	
7/7/2016	<0.001	
9/8/2016	0.0001 (J)	
10/25/2016	<0.001	
2/9/2017	0.0001 (J)	
3/23/2017	0.0001 (J)	
5/17/2017	0.0001 (J)	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/6/2018	<0.001	
3/7/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

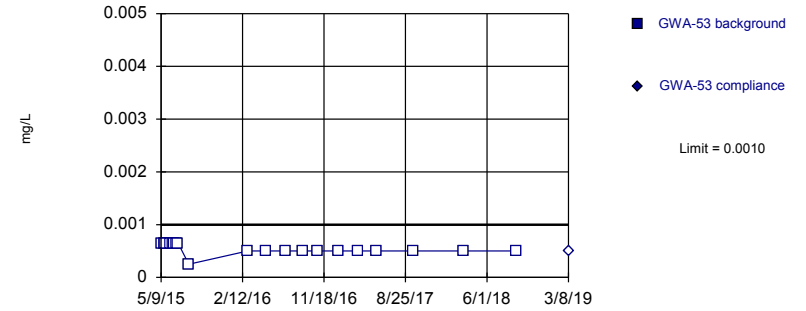


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

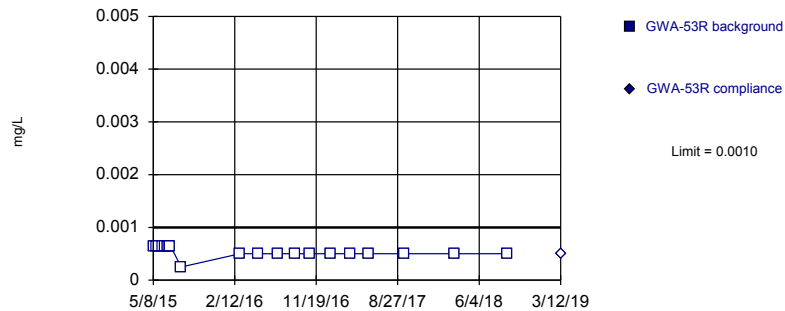


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

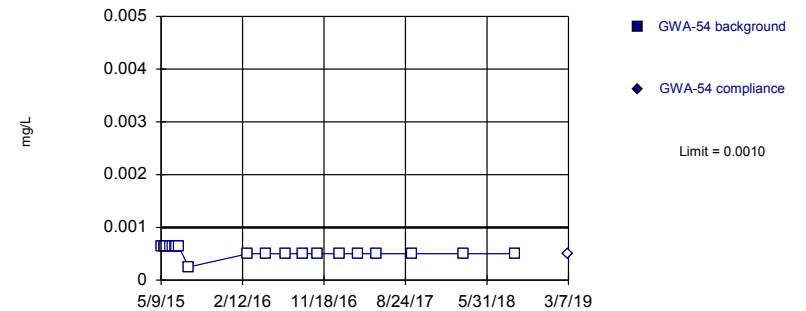


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.0013	
5/17/2015	<0.0013	
5/25/2015	<0.0013	
6/8/2015	<0.0013	
6/18/2015	<0.0013	
6/24/2015	<0.0013	
6/30/2015	<0.0013	
7/6/2015	<0.0013	
8/12/2015	<0.0005	
2/29/2016	<0.001	
5/4/2016	<0.001	
7/8/2016	<0.001	
9/8/2016	<0.001	
10/26/2016	<0.001	
1/6/2017	<0.001	
3/15/2017	<0.001 (*)	
5/17/2017	<0.001	
9/15/2017	<0.001	
3/13/2018	<0.001	
9/6/2018	<0.001	
3/7/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/9/2015	<0.0013	
5/18/2015	<0.0013	
5/25/2015	<0.0013	
6/8/2015	<0.0013	
6/17/2015	<0.0013	
6/24/2015	<0.0013	
6/30/2015	<0.0013	
7/6/2015	<0.0013	
8/12/2015	<0.0005	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/8/2016	<0.001	
9/8/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001	
3/16/2017	<0.001 (*)	
5/19/2017	<0.001	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	<0.0013	
5/17/2015	<0.0013	
5/25/2015	<0.0013	
6/8/2015	<0.0013	
6/18/2015	<0.0013	
6/24/2015	<0.0013	
6/30/2015	<0.0013	
7/6/2015	<0.0013	
8/12/2015	<0.0005	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/11/2016	<0.001	
9/7/2016	<0.001	
10/27/2016	<0.001	
1/6/2017	<0.001	
3/16/2017	<0.001	
5/19/2017	<0.001	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/12/2019		<0.001



# Prediction Limit

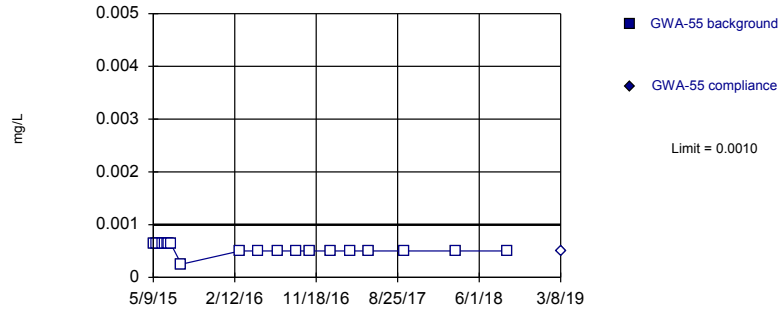
Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	<0.0013	
5/18/2015	<0.0013	
5/25/2015	<0.0013	
6/9/2015	<0.0013	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	<0.0013	
7/7/2015	<0.0013	
8/12/2015	<0.0005	
3/2/2016	<0.001	
5/4/2016	<0.001	
7/8/2016	<0.001	
9/8/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001	
3/15/2017	<0.001 (*)	
5/18/2017	<0.001	
9/15/2017	<0.001	
3/13/2018	<0.001	
9/6/2018	<0.001	
3/7/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

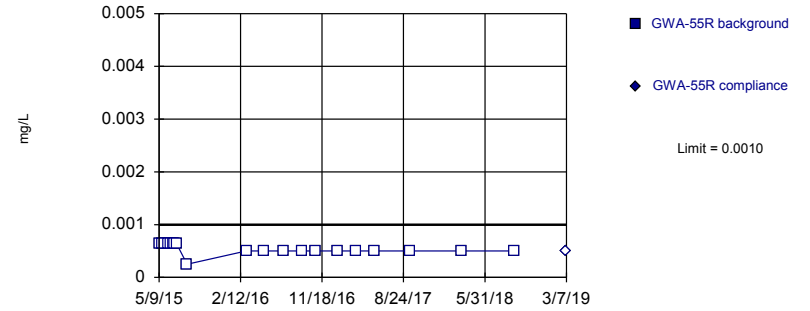


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

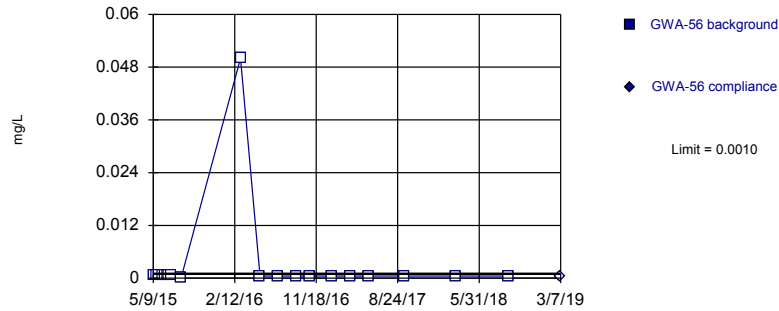


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

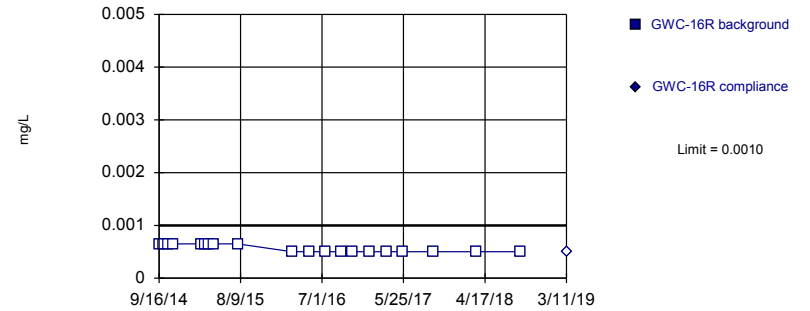


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/9/2015	<0.0013	
5/18/2015	<0.0013	
5/26/2015	<0.0013	
6/9/2015	<0.0013	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	<0.0013	
7/7/2015	<0.0013	
8/13/2015	<0.0005	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/11/2016	<0.001	
9/9/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001 (*)	
3/16/2017	<0.001	
5/18/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/7/2018	<0.001	
3/8/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/9/2015	<0.0013	
5/18/2015	<0.0013	
5/26/2015	<0.0013	
6/9/2015	<0.0013	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	<0.0013	
7/7/2015	<0.0013	
8/13/2015	<0.0005	
3/3/2016	<0.001	
5/3/2016	<0.001	
7/11/2016	<0.001	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/9/2017	<0.001 (*)	
3/16/2017	<0.001 (*)	
5/18/2017	<0.001	
9/18/2017	<0.001	
3/12/2018	<0.001	
9/7/2018	<0.001	
3/7/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/9/2015	<0.0013	
5/19/2015	<0.0013	
5/26/2015	<0.0013	
6/9/2015	<0.0013	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	<0.0013	
7/7/2015	<0.0013	
8/13/2015	<0.0005	
3/3/2016	<0.1	
5/9/2016	<0.001	
7/11/2016	<0.001	
9/9/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001	
3/15/2017	<0.001 (*)	
5/18/2017	<0.001	
9/15/2017	<0.001	
3/13/2018	<0.001	
9/7/2018	<0.001	
3/7/2019		<0.001

# Prediction Limit

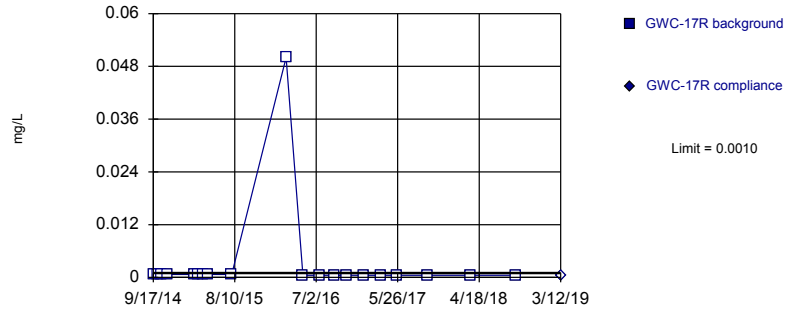
Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	<0.0013	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/11/2014	<0.0013	
3/3/2015	<0.0013	
3/18/2015	<0.0013	
4/6/2015	<0.0013	
4/23/2015	<0.0013	
7/29/2015	<0.0013	
3/3/2016	<0.001 (D)	
5/10/2016	<0.001	
7/13/2016	<0.001	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/11/2017	<0.001 (*)	
3/20/2017	<0.001	
5/23/2017	<0.001	
9/21/2017	<0.001	
3/14/2018	<0.001	
9/7/2018	<0.001	
3/11/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

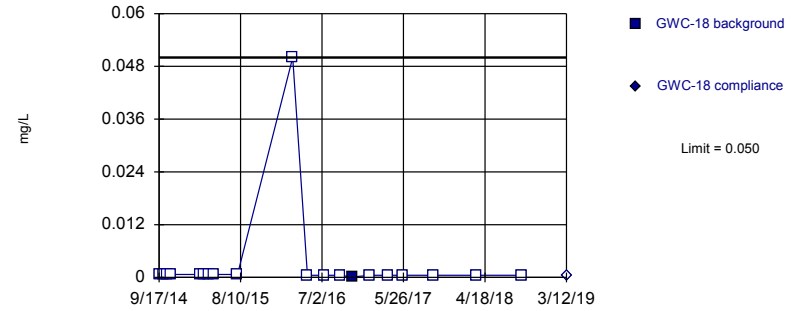


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

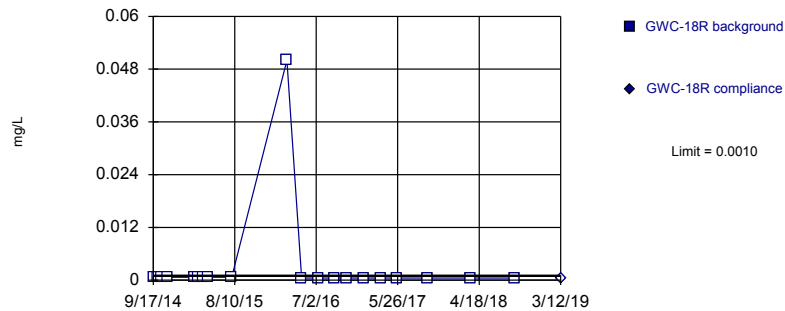


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

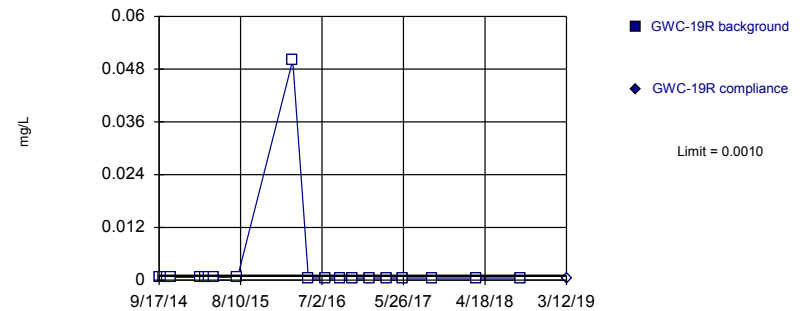


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:15 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	<0.0013	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/11/2014	<0.0013	
3/3/2015	<0.0013	
3/18/2015	<0.0013	
4/6/2015	<0.0013	
4/23/2015	<0.0013	
7/29/2015	<0.0013	
3/4/2016	<0.1	
5/10/2016	<0.001	
7/14/2016	<0.001	
9/14/2016	<0.001	
11/1/2016	<0.001	
1/11/2017	<0.001 (*)	
3/21/2017	<0.001	
5/23/2017	<0.001	
9/22/2017	<0.001	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019		<0.001



# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	<0.0013	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/5/2014	<0.0013	
3/3/2015	<0.0013	
3/18/2015	<0.0013	
4/7/2015	<0.0013	
4/23/2015	<0.0013	
7/29/2015	<0.0013	
3/7/2016	<0.1	
5/5/2016	<0.001	
7/13/2016	<0.001	
9/13/2016	<0.001	
10/31/2016	8E-05 (J)	
1/12/2017	<0.001 (*)	
3/23/2017	<0.001	
5/23/2017	<0.001	
9/25/2017	<0.001	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	<0.0013	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/11/2014	<0.0013	
3/3/2015	<0.0013	
3/18/2015	<0.0013	
4/7/2015	<0.0013	
4/23/2015	<0.0013	
7/29/2015	<0.0013	
3/7/2016	<0.1	
5/5/2016	<0.001	
7/13/2016	<0.001	
9/12/2016	<0.001	
11/1/2016	<0.001	
1/11/2017	<0.001 (*)	
3/20/2017	<0.001	
5/22/2017	<0.001	
9/21/2017	<0.001	
3/14/2018	<0.001	
9/7/2018	<0.001	
3/12/2019		<0.001

# Prediction Limit

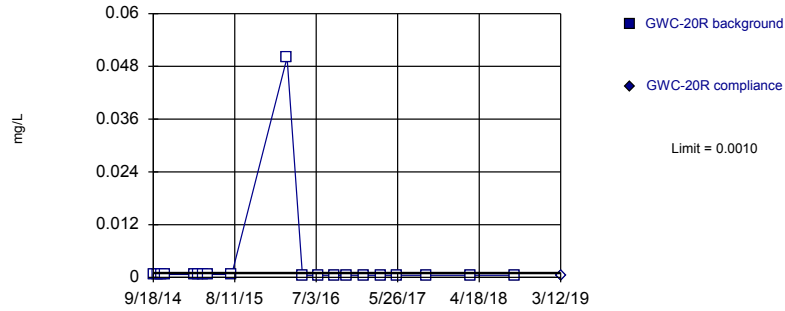
Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	<0.0013	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/5/2014	<0.0013	
3/3/2015	<0.0013	
3/19/2015	<0.0013	
4/7/2015	<0.0013	
4/24/2015	<0.0013	
7/29/2015	<0.0013	
3/7/2016	<0.1	
5/9/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/31/2016	<0.001	
1/11/2017	<0.001	
3/21/2017	<0.001	
5/22/2017	<0.001	
9/20/2017	<0.001	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/12/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

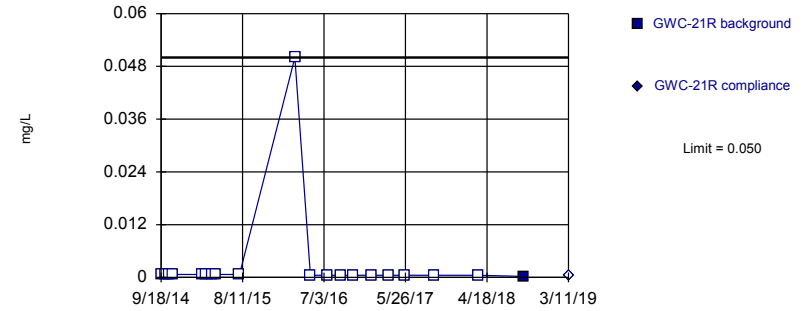


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

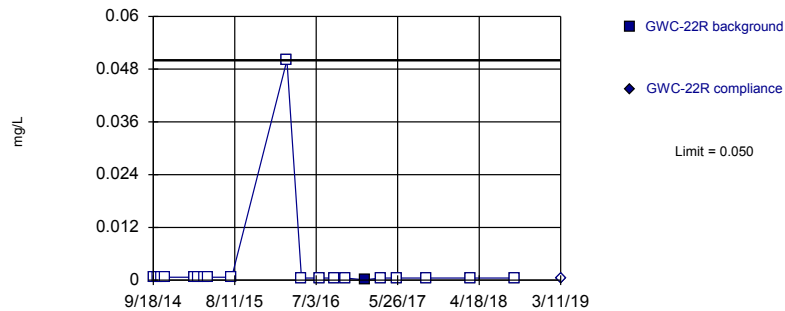


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

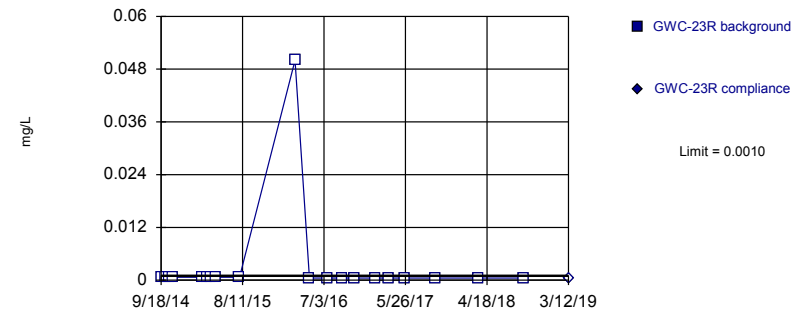


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	<0.0013	
3/4/2015	<0.0013	
3/19/2015	<0.0013	
4/7/2015	<0.0013	
4/24/2015	<0.0013	
7/30/2015	<0.0013	
3/8/2016	<0.1	
5/9/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	<0.001 (*)	
3/22/2017	<0.001	
5/22/2017	<0.001	
9/19/2017	<0.001	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/12/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	<0.0013	
3/4/2015	<0.0013	
3/19/2015	<0.0013	
4/8/2015	<0.0013	
4/24/2015	<0.0013	
7/30/2015	<0.0013	
3/8/2016	<0.1	
5/9/2016	<0.001	
7/15/2016	<0.001	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/12/2017	<0.001 (*)	
3/21/2017	<0.001	
5/23/2017	<0.001	
9/19/2017	<0.001	
3/14/2018	<0.001	
9/10/2018	0.00021 (J)	
3/11/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	<0.0013	
3/4/2015	<0.0013	
3/19/2015	<0.0013	
4/8/2015	<0.0013	
4/24/2015	<0.0013	
7/30/2015	<0.0013	
3/7/2016	<0.1	
5/5/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	8E-05 (J)	
3/20/2017	<0.001	
5/23/2017	<0.001	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/7/2018	<0.001	
3/11/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

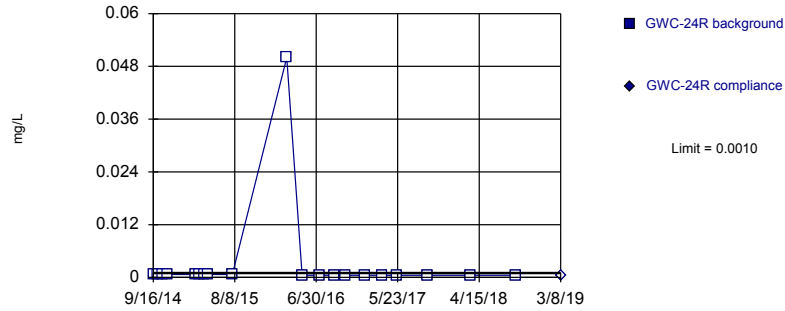
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	GWC-23R	GWC-23R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	<0.0013	
3/4/2015	<0.0013	
3/20/2015	<0.0013	
4/8/2015	<0.0013	
4/23/2015	<0.0013	
7/30/2015	<0.0013	
3/9/2016	<0.1	
5/6/2016	<0.001	
7/15/2016	<0.001	
9/14/2016	<0.001	
11/1/2016	<0.001	
1/25/2017	<0.001	
3/22/2017	<0.001	
5/24/2017	<0.001	
9/21/2017	<0.001	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019		<0.001



Within Limit

Prediction Limit  
Intrawell Non-parametric

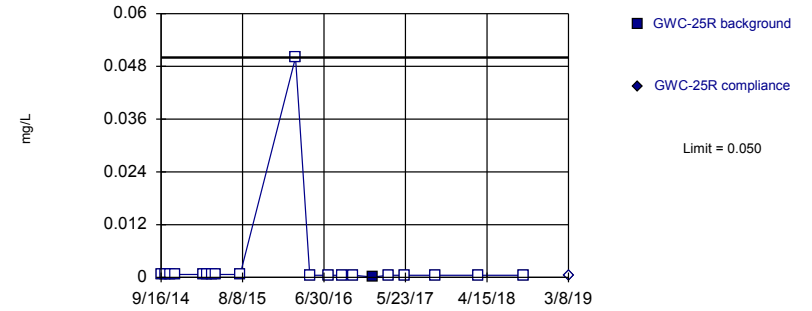


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

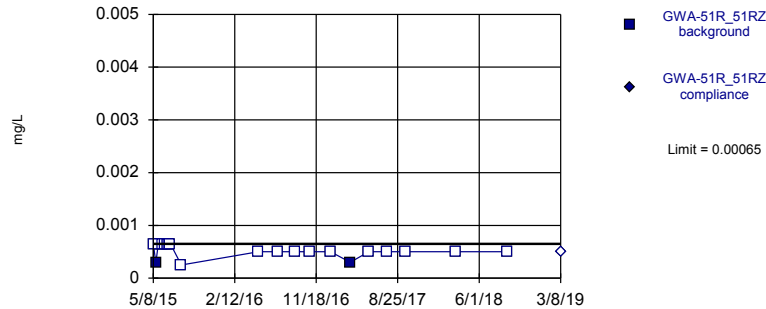


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

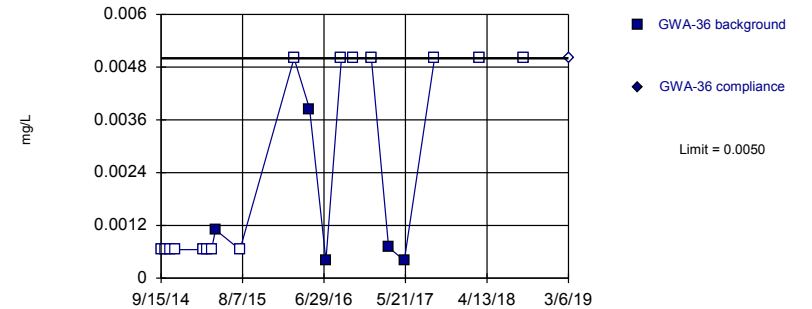


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	<0.0013	
10/4/2014	<0.0013	
10/23/2014	<0.0013	
11/10/2014	<0.0013	
3/4/2015	<0.0013	
3/20/2015	<0.0013	
4/8/2015	<0.0013	
4/23/2015	<0.0013	
7/30/2015	<0.0013	
3/4/2016	<0.1	
5/5/2016	<0.001	
7/12/2016	<0.001	
9/13/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/20/2017	<0.001	
5/19/2017	<0.001	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	<0.0013	
10/4/2014	<0.0013	
10/23/2014	<0.0013	
11/10/2014	<0.0013	
3/4/2015	<0.0013	
3/20/2015	<0.0013	
4/9/2015	<0.0013	
4/23/2015	<0.0013	
7/30/2015	<0.0013	
3/8/2016	<0.1	
5/4/2016	<0.001	
7/18/2016	<0.001	
9/13/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	0.0001 (J)	
3/16/2017	<0.001 (*)	
5/19/2017	<0.001	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019		<0.001

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	<0.0013	
5/17/2015	0.00029 (J)	
5/25/2015	<0.0013	
6/8/2015	<0.0013	
6/18/2015	<0.0013	
6/24/2015	<0.0013	
6/30/2015	<0.0013	
7/6/2015	<0.0013	
8/12/2015	<0.0005	
5/4/2016	<0.001 (D)	
7/7/2016	<0.001 (D)	
9/8/2016	<0.001 (D)	
10/26/2016	<0.001 (D)	
1/6/2017	<0.001 (D)	
3/15/2017	0.0003 (D)	
5/18/2017	<0.001 (D)	
7/19/2017	<0.001 (D)	
9/19/2017	<0.001 (D)	
3/13/2018	<0.001	
9/7/2018	<0.001	
3/8/2019		<0.001

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

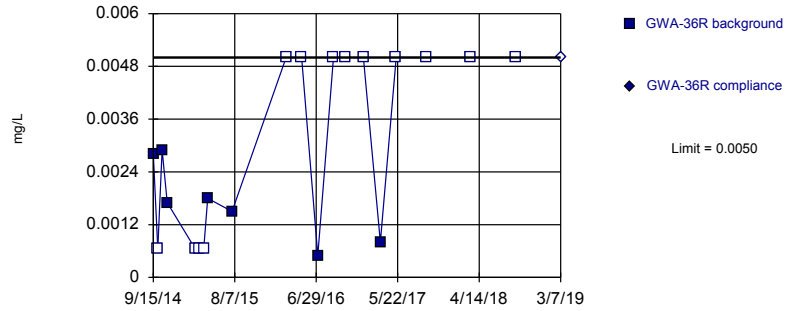
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	<0.0013	
10/3/2014	<0.0013	
10/20/2014	<0.0013	
11/10/2014	<0.0013	
3/2/2015	<0.0013	
3/17/2015	<0.0013	
4/5/2015	<0.0013	
4/21/2015	0.0011 (J)	
7/28/2015	<0.0013	
3/1/2016	<0.01	
5/2/2016	0.00385 (J)	
7/7/2016	0.0004 (J)	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/5/2017	<0.01	
3/15/2017	0.0007 (J)	
5/17/2017	0.0004 (J)	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

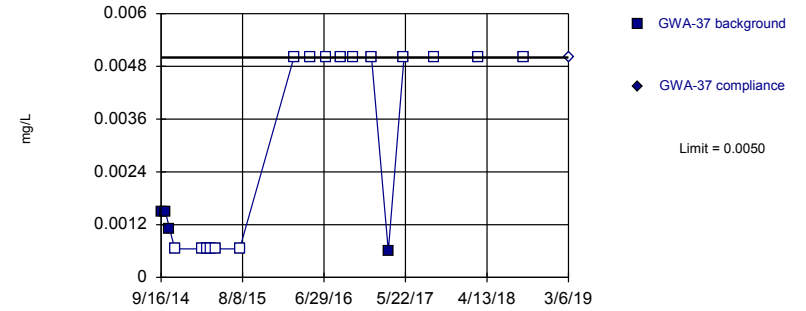


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

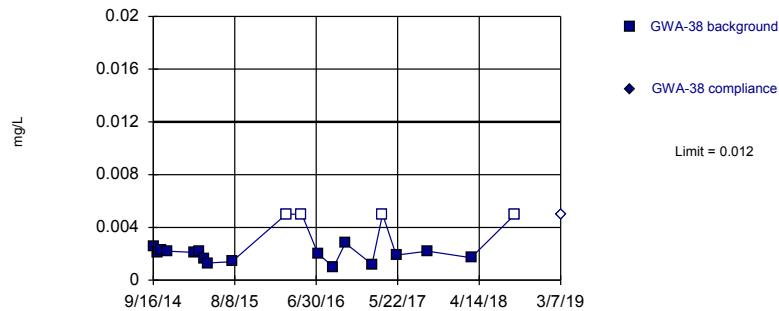


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

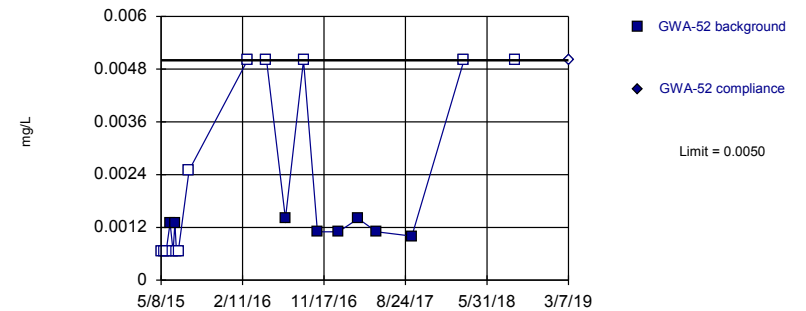


Background Data Summary (based on cube root transformation) (after Aitchison's Adjustment): Mean=0.09851, Std. Dev.=0.05156, n=20, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8738, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Chromium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 60% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
9/15/2014	0.0028	
10/3/2014	<0.0013	
10/20/2014	0.0029	
11/10/2014	0.0017	
3/2/2015	<0.0013	
3/17/2015	<0.0013	
4/5/2015	<0.0013	
4/21/2015	0.0018	
7/28/2015	0.0015	
3/1/2016	<0.01	
5/2/2016	<0.01	
7/6/2016	0.0005 (J)	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/5/2017	<0.01	
3/14/2017	0.0008 (J)	
5/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37	GWA-37
9/16/2014	0.0015	
10/3/2014	0.0015	
10/20/2014	0.0011 (J)	
11/10/2014	<0.0013	
3/2/2015	<0.0013	
3/17/2015	<0.0013	
4/5/2015	<0.0013	
4/22/2015	<0.0013	
7/28/2015	<0.0013	
3/1/2016	<0.01	
5/3/2016	<0.01	
7/8/2016	<0.01	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/6/2017	<0.01	
3/14/2017	0.0006 (J)	
5/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	0.0026	
10/3/2014	0.0021	
10/20/2014	0.0023	
11/10/2014	0.0022	
3/2/2015	0.0021	
3/17/2015	0.0022	
4/6/2015	0.0016	
4/22/2015	0.0013	
7/28/2015	0.0014	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/7/2016	0.002 (J)	
9/8/2016	0.001 (J)	
10/25/2016	0.0028 (J)	
2/9/2017	0.0012 (J)	
3/23/2017	<0.01 (*)	
5/17/2017	0.0019 (J)	
9/19/2017	0.0022 (J)	
3/13/2018	0.0017 (J)	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

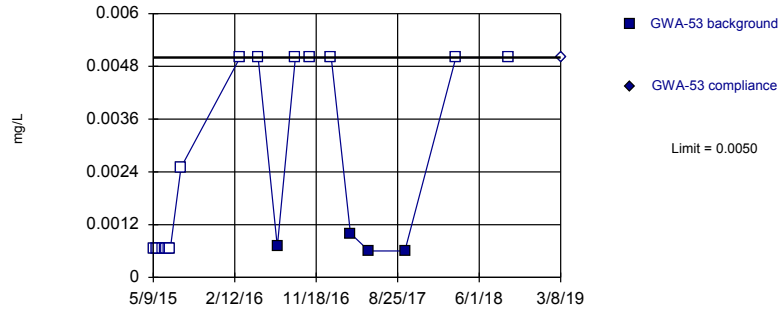
Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.0013	
5/17/2015	<0.0013	
5/25/2015	<0.0013	
6/8/2015	0.0013	
6/18/2015	<0.0013	
6/24/2015	0.0013	
6/30/2015	<0.0013	
7/6/2015	<0.0013	
8/12/2015	<0.005	
2/29/2016	<0.01	
5/4/2016	<0.01	
7/8/2016	0.0014 (J)	
9/8/2016	<0.01	
10/26/2016	0.0011 (J)	
1/6/2017	0.0011 (J)	
3/15/2017	0.0014 (J)	
5/17/2017	0.0011 (J)	
9/15/2017	0.001 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

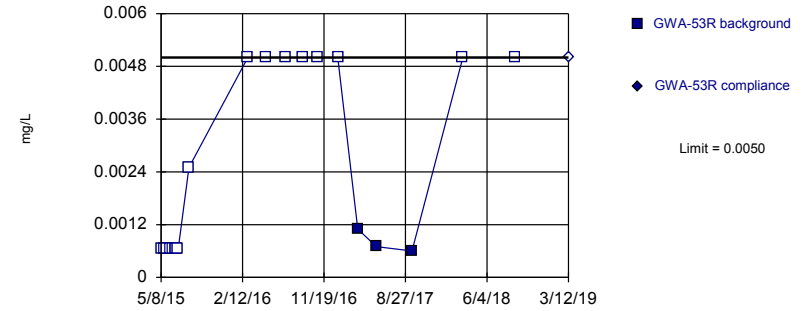


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

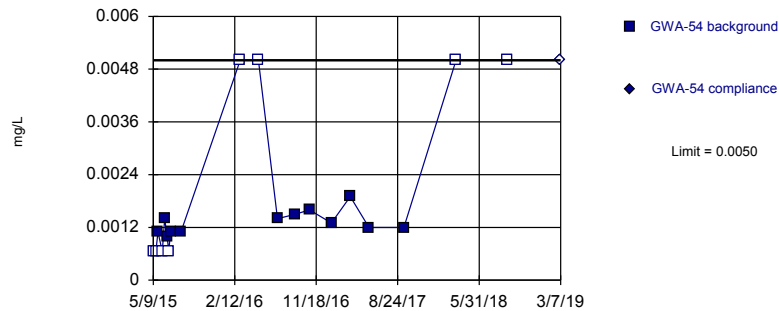


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:16 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

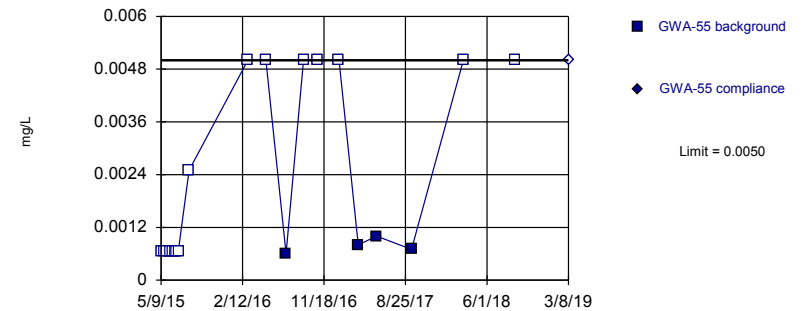


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/9/2015	<0.0013	
5/18/2015	<0.0013	
5/25/2015	<0.0013	
6/8/2015	<0.0013	
6/17/2015	<0.0013	
6/24/2015	<0.0013	
6/30/2015	<0.0013	
7/6/2015	<0.0013	
8/12/2015	<0.005	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/8/2016	0.0007 (J)	
9/8/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	0.001 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	0.0006 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	<0.0013	
5/17/2015	<0.0013	
5/25/2015	<0.0013	
6/8/2015	<0.0013	
6/18/2015	<0.0013	
6/24/2015	<0.0013	
6/30/2015	<0.0013	
7/6/2015	<0.0013	
8/12/2015	<0.005	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	<0.01	
9/7/2016	<0.01	
10/27/2016	<0.01	
1/6/2017	<0.01	
3/16/2017	0.0011 (J)	
5/19/2017	0.0007 (J)	
9/19/2017	0.0006 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	<0.0013	
5/18/2015	<0.0013	
5/25/2015	0.0011 (J)	
6/9/2015	<0.0013	
6/17/2015	0.0014	
6/25/2015	0.001 (J)	
7/1/2015	<0.0013	
7/7/2015	0.0011 (J)	
8/12/2015	0.0011 (J)	
3/2/2016	<0.01	
5/4/2016	<0.01	
7/8/2016	0.0014 (J)	
9/8/2016	0.0015 (J)	
10/26/2016	0.0016 (J)	
1/9/2017	0.0013 (J)	
3/15/2017	0.0019 (J)	
5/18/2017	0.0012 (J)	
9/15/2017	0.0012 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

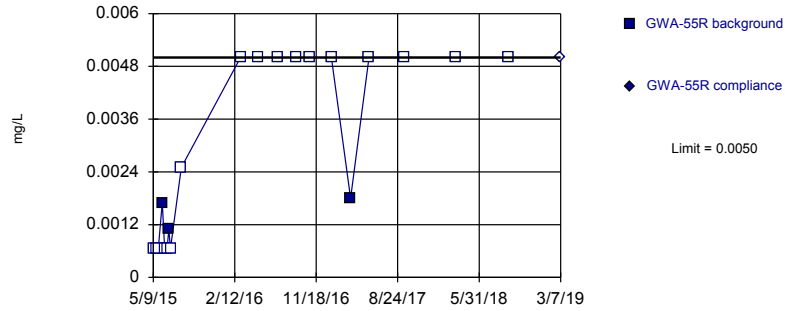
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/9/2015	<0.0013	
5/18/2015	<0.0013	
5/26/2015	<0.0013	
6/9/2015	<0.0013	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	<0.0013	
7/7/2015	<0.0013	
8/13/2015	<0.005	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	0.0006 (J)	
9/9/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	0.0008 (J)	
5/18/2017	0.001 (J)	
9/15/2017	0.0007 (J)	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

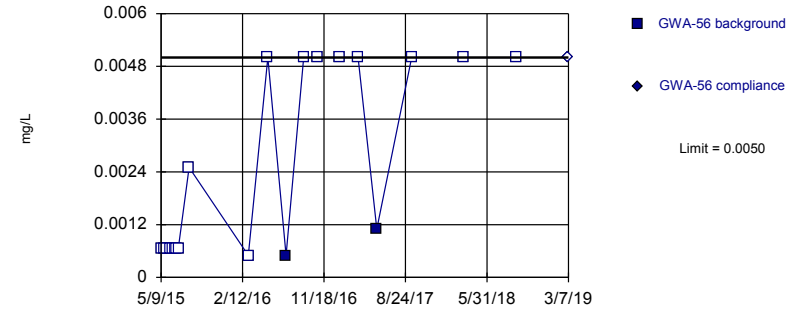


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

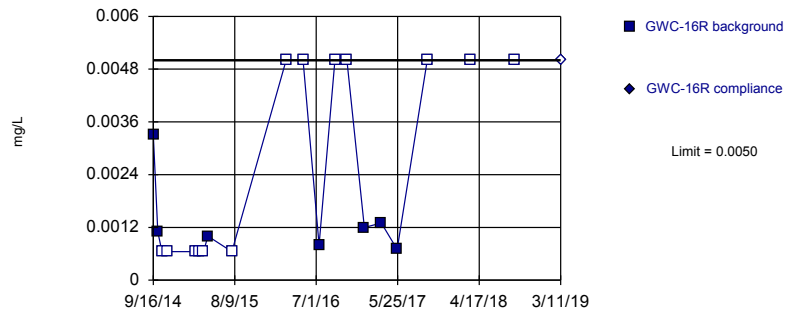


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

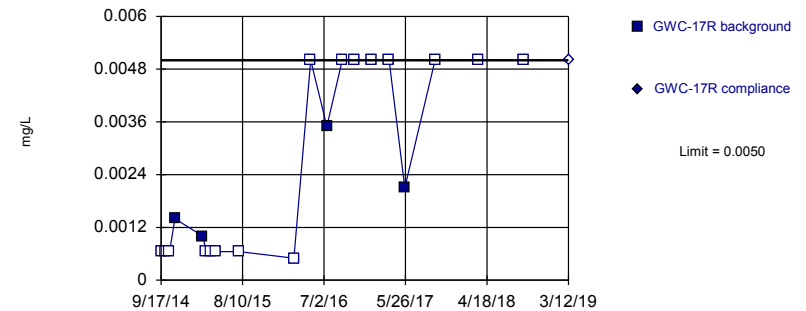


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/9/2015	<0.0013	
5/18/2015	<0.0013	
5/26/2015	<0.0013	
6/9/2015	0.0017	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	0.0011 (J)	
7/7/2015	<0.0013	
8/13/2015	<0.005	
3/3/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	<0.01	
9/9/2016	<0.01	
10/27/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	0.0018 (J)	
5/18/2017	<0.01	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/9/2015	<0.0013	
5/19/2015	<0.0013	
5/26/2015	<0.0013	
6/9/2015	<0.0013	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	<0.0013	
7/7/2015	<0.0013	
8/13/2015	<0.005	
3/3/2016	<0.001	
5/9/2016	<0.01	
7/11/2016	0.0005 (J)	
9/9/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/15/2017	<0.01	
5/18/2017	0.0011 (J)	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	0.0033	
10/4/2014	0.0011 (J)	
10/21/2014	<0.0013	
11/11/2014	<0.0013	
3/3/2015	<0.0013	
3/18/2015	<0.0013	
4/6/2015	<0.0013	
4/23/2015	0.001 (J)	
7/29/2015	<0.0013	
3/3/2016	<0.01 (D)	
5/10/2016	<0.01	
7/13/2016	0.0008 (J)	
9/15/2016	<0.01	
11/2/2016	<0.01	
1/11/2017	0.0012 (J)	
3/20/2017	0.0013 (J)	
5/23/2017	0.0007 (J)	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01

# Prediction Limit

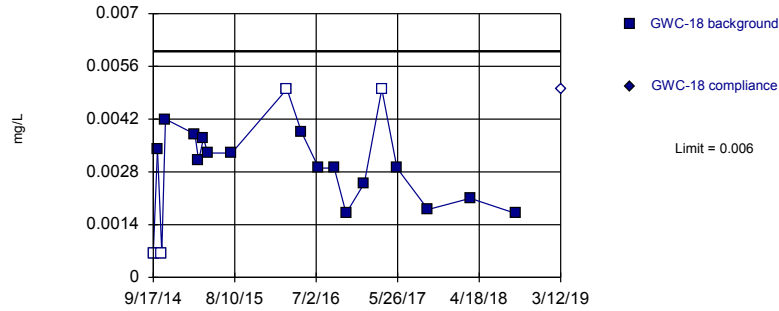
Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	<0.0013	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/11/2014	0.0014	
3/3/2015	0.001 (J)	
3/18/2015	<0.0013	
4/6/2015	<0.0013	
4/23/2015	<0.0013	
7/29/2015	<0.0013	
3/4/2016	<0.001	
5/10/2016	<0.01	
7/14/2016	0.0035 (J)	
9/14/2016	<0.01	
11/1/2016	<0.01	
1/11/2017	<0.01	
3/21/2017	<0.01 (*)	
5/23/2017	0.0021 (J)	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Parametric

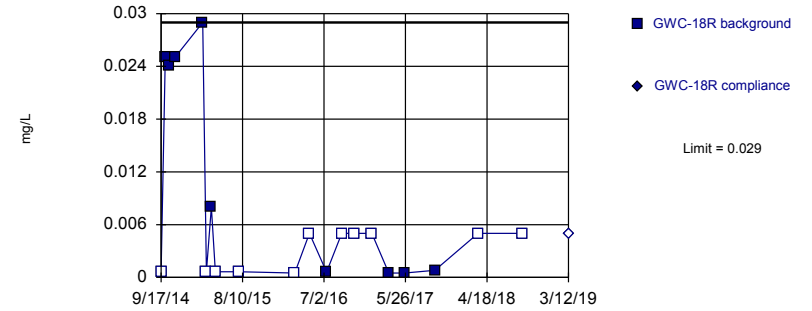


Background Data Summary (after Aitchison's Adjustment): Mean=0.002358, Std. Dev.=0.001401, n=20, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9625, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

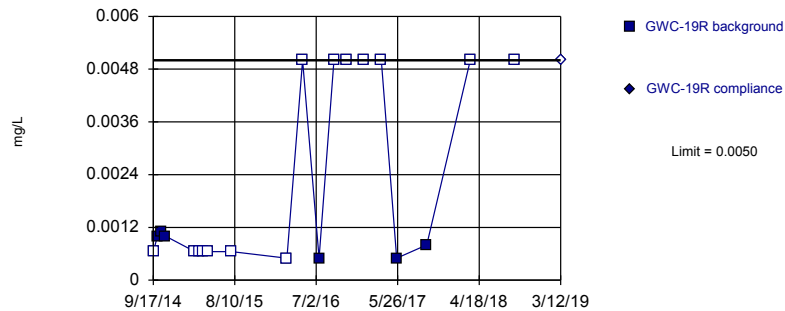


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 55% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

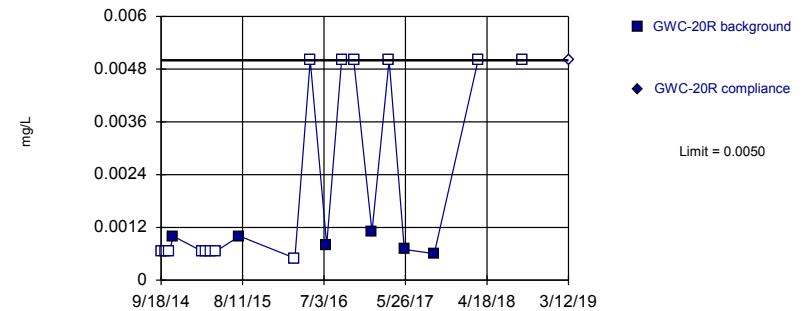


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	<0.0013	
10/4/2014	0.0034	
10/21/2014	<0.0013	
11/5/2014	0.0042	
3/3/2015	0.0038	
3/18/2015	0.0031	
4/7/2015	0.0037	
4/23/2015	0.0033	
7/29/2015	0.0033	
3/7/2016	<0.01	
5/5/2016	0.00385 (J)	
7/13/2016	0.0029 (J)	
9/13/2016	0.0029 (J)	
10/31/2016	0.0017 (J)	
1/12/2017	0.0025 (J)	
3/23/2017	<0.01 (*)	
5/23/2017	0.0029 (J)	
9/25/2017	0.0018 (J)	
3/14/2018	0.0021 (J)	
9/11/2018	0.0017 (J)	
3/12/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	<0.0013	
10/4/2014	0.025	
10/21/2014	0.024	
11/11/2014	0.025	
3/3/2015	0.029	
3/18/2015	<0.0013	
4/7/2015	0.008	
4/23/2015	<0.0013	
7/29/2015	<0.0013	
3/7/2016	<0.001	
5/5/2016	<0.01	
7/13/2016	0.0006 (J)	
9/12/2016	<0.01	
11/1/2016	<0.01	
1/11/2017	<0.01	
3/20/2017	0.0005 (J)	
5/22/2017	0.0005 (J)	
9/21/2017	0.0008 (J)	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	<0.0013	
10/4/2014	0.001 (J)	
10/21/2014	0.0011 (J)	
11/5/2014	0.001 (J)	
3/3/2015	<0.0013	
3/19/2015	<0.0013	
4/7/2015	<0.0013	
4/24/2015	<0.0013	
7/29/2015	<0.0013	
3/7/2016	<0.001	
5/9/2016	<0.01	
7/14/2016	0.0005 (J)	
9/12/2016	<0.01	
10/31/2016	<0.01	
1/11/2017	<0.01	
3/21/2017	<0.01 (*)	
5/22/2017	0.0005 (J)	
9/20/2017	0.0008 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

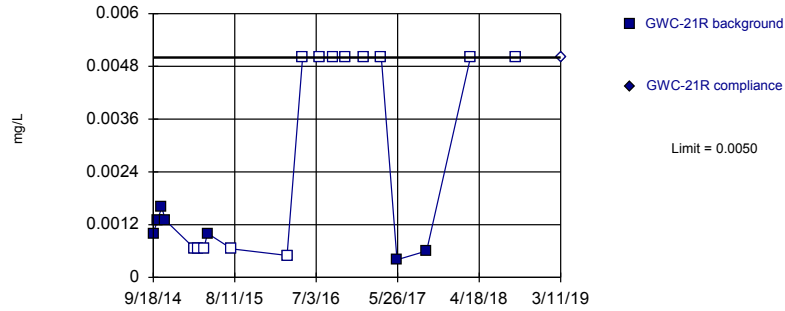
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	0.001 (J)	
3/4/2015	<0.0013	
3/19/2015	<0.0013	
4/7/2015	<0.0013	
4/24/2015	<0.0013	
7/30/2015	0.001 (J)	
3/8/2016	<0.001	
5/9/2016	<0.01	
7/14/2016	0.0008 (J)	
9/12/2016	<0.01	
10/31/2016	<0.01	
1/12/2017	0.0011 (J)	
3/22/2017	<0.01 (*)	
5/22/2017	0.0007 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

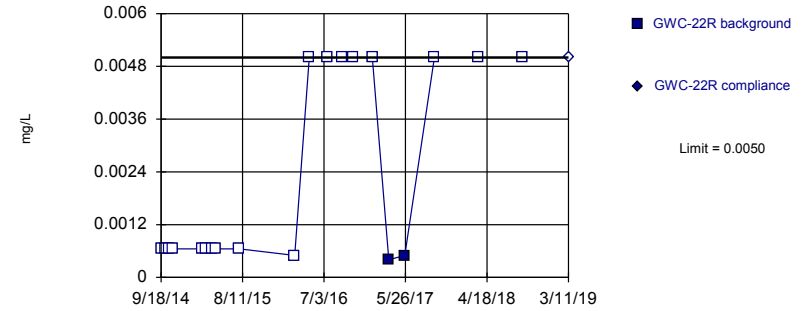


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

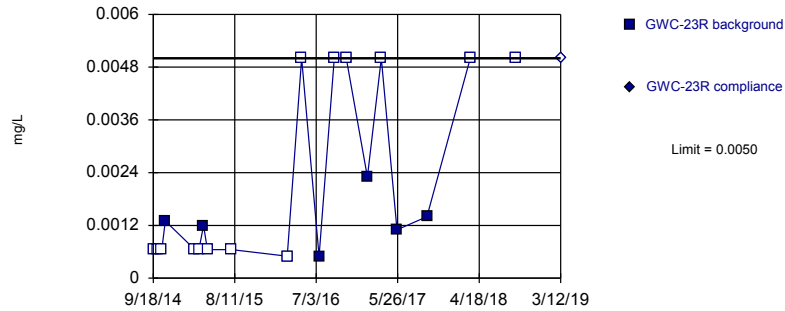


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

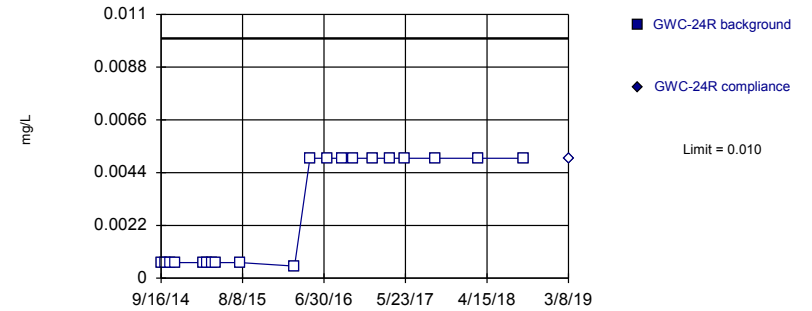


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:17 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
9/18/2014	0.001 (J)	
10/5/2014	0.0013	
10/22/2014	0.0016	
11/5/2014	0.0013	
3/4/2015	<0.0013	
3/19/2015	<0.0013	
4/8/2015	<0.0013	
4/24/2015	0.001 (J)	
7/30/2015	<0.0013	
3/8/2016	<0.001	
5/9/2016	<0.01	
7/15/2016	<0.01	
9/9/2016	<0.01	
10/27/2016	<0.01	
1/12/2017	<0.01	
3/21/2017	<0.01 (*)	
5/23/2017	0.0004 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/11/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	<0.0013	
3/4/2015	<0.0013	
3/19/2015	<0.0013	
4/8/2015	<0.0013	
4/24/2015	<0.0013	
7/30/2015	<0.0013	
3/7/2016	<0.001	
5/5/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	0.0004 (J)	
5/23/2017	0.0005 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	0.0013	
3/4/2015	<0.0013	
3/20/2015	<0.0013	
4/8/2015	0.0012 (J)	
4/23/2015	<0.0013	
7/30/2015	<0.0013	
3/9/2016	<0.001	
5/6/2016	<0.01	
7/15/2016	0.0005 (J)	
9/14/2016	<0.01	
11/1/2016	<0.01	
1/25/2017	0.0023 (J)	
3/22/2017	<0.01 (*)	
5/24/2017	0.0011 (J)	
9/21/2017	0.0014 (J)	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

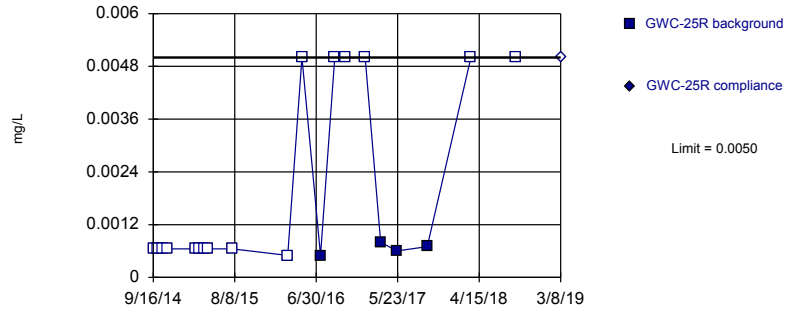
Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	<0.0013	
10/4/2014	<0.0013	
10/23/2014	<0.0013	
11/10/2014	<0.0013	
3/4/2015	<0.0013	
3/20/2015	<0.0013	
4/8/2015	<0.0013	
4/23/2015	<0.0013	
7/30/2015	<0.0013	
3/4/2016	<0.001	
5/5/2016	<0.01	
7/12/2016	<0.01	
9/13/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	<0.01	
5/19/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

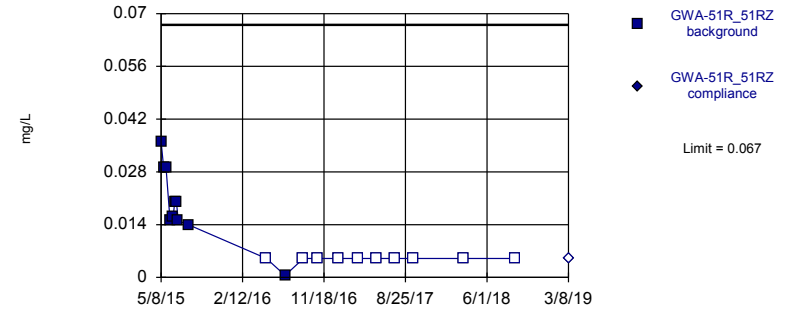


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 8/26/2019 4:18 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

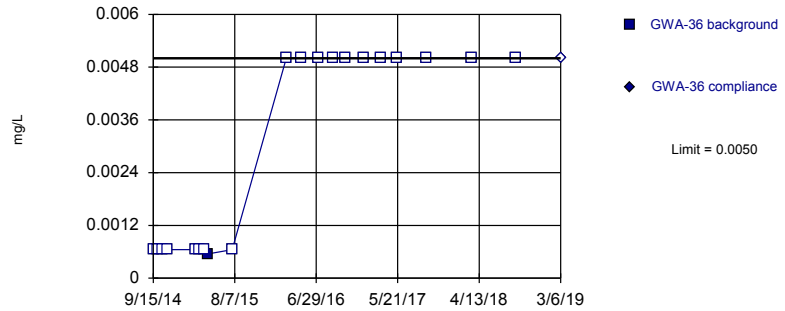


Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=0.06624, Std. Dev.=0.07492, n=20, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8706, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Chromium Analysis Run 8/26/2019 4:18 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

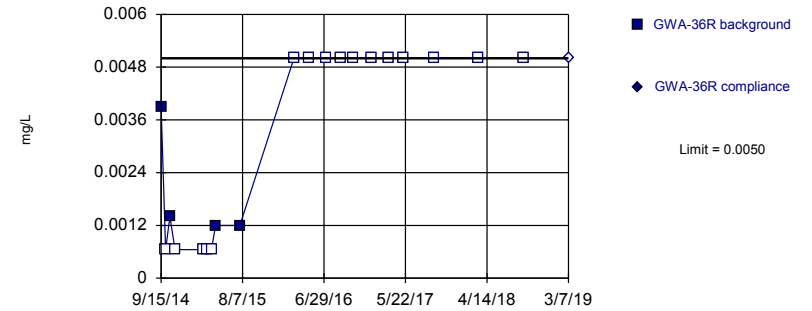


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:18 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:18 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	<0.0013	
10/4/2014	<0.0013	
10/23/2014	<0.0013	
11/10/2014	<0.0013	
3/4/2015	<0.0013	
3/20/2015	<0.0013	
4/9/2015	<0.0013	
4/23/2015	<0.0013	
7/30/2015	<0.0013	
3/8/2016	<0.001	
5/4/2016	<0.01	
7/18/2016	0.0005 (J)	
9/13/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/16/2017	0.0008 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	0.0007 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	0.036	
5/17/2015	0.029	
5/25/2015	0.029	
6/8/2015	0.015	
6/18/2015	0.016	
6/24/2015	0.02	
6/30/2015	0.02	
7/6/2015	0.015	
8/12/2015	0.0139	
5/4/2016	<0.01 (D)	
7/7/2016	0.0005 (JD)	
9/8/2016	<0.01 (D)	
10/26/2016	<0.01 (D)	
1/6/2017	<0.01 (D)	
3/15/2017	<0.01 (D)	
5/18/2017	<0.01 (D)	
7/19/2017	<0.01 (D)	
9/19/2017	<0.01 (D)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	<0.0013	
10/3/2014	<0.0013	
10/20/2014	<0.0013	
11/10/2014	<0.0013	
3/2/2015	<0.0013	
3/17/2015	<0.0013	
4/5/2015	<0.0013	
4/21/2015	0.00055 (J)	
7/28/2015	<0.0013	
3/1/2016	<0.01	
5/2/2016	<0.01	
7/7/2016	<0.01	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/5/2017	<0.01	
3/15/2017	<0.01	
5/17/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01

# Prediction Limit

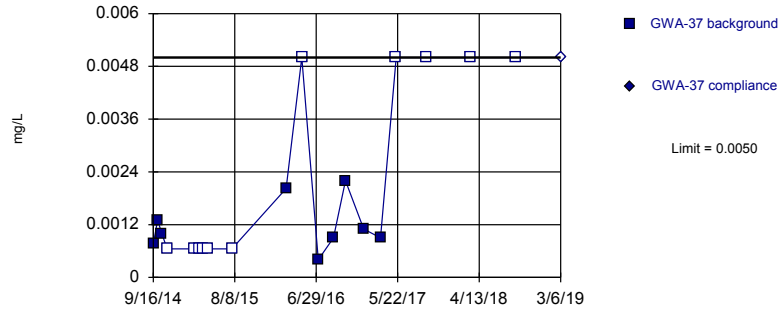
Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
9/15/2014	0.0039	
10/3/2014	<0.0013	
10/20/2014	0.0014	
11/10/2014	<0.0013	
3/2/2015	<0.0013	
3/17/2015	<0.0013	
4/5/2015	<0.0013	
4/21/2015	0.0012 (J)	
7/28/2015	0.0012 (J)	
3/1/2016	<0.01	
5/2/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/5/2017	<0.01	
3/14/2017	<0.01	
5/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

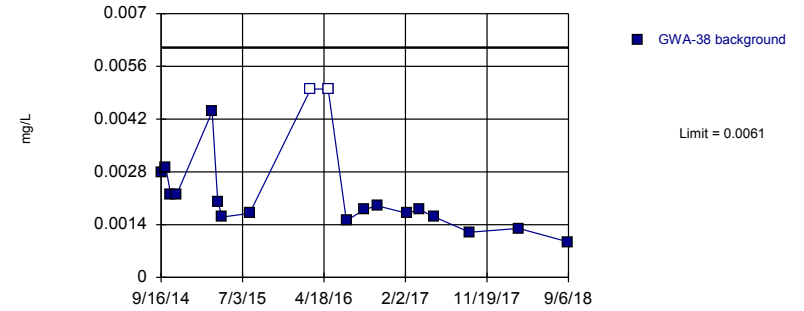


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 55% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:18 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric, GWA-38 (bg)

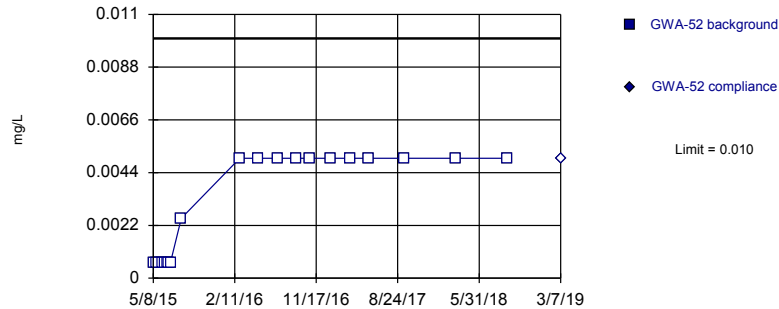


Background Data Summary (based on cube root transformation): Mean=0.1286, Std. Dev.=0.02078, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8842, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Cobalt Analysis Run 8/26/2019 4:18 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

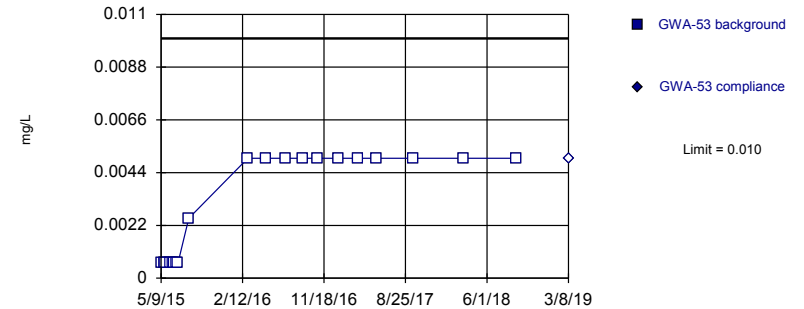


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:18 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:18 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37	GWA-37
9/16/2014	0.00077 (J)	
10/3/2014	0.0013	
10/20/2014	0.001 (J)	
11/10/2014	<0.0013	
3/2/2015	<0.0013	
3/17/2015	<0.0013	
4/5/2015	<0.0013	
4/22/2015	<0.0013	
7/28/2015	<0.0013	
3/1/2016	0.00202 (J)	
5/3/2016	<0.01	
7/8/2016	0.0004 (J)	
9/7/2016	0.0009 (J)	
10/25/2016	0.0022 (J)	
1/6/2017	0.0011 (J)	
3/14/2017	0.0009 (J)	
5/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38
9/16/2014	0.0028
10/3/2014	0.0029
10/20/2014	0.0022
11/10/2014	0.0022
3/17/2015	0.0044
4/6/2015	0.002
4/22/2015	0.0016
7/28/2015	0.0017
3/2/2016	<0.01
5/3/2016	<0.01
7/7/2016	0.0015 (J)
9/8/2016	0.0018 (J)
10/25/2016	0.0019 (J)
2/9/2017	0.0017 (J)
3/23/2017	0.0018 (J)
5/17/2017	0.0016 (J)
9/19/2017	0.0012 (J)
3/13/2018	0.0013 (J)
9/6/2018	0.00094 (J)
3/7/2019	0.00087 (X)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.0013	
5/17/2015	<0.0013	
5/25/2015	<0.0013	
6/8/2015	<0.0013	
6/18/2015	<0.0013	
6/24/2015	<0.0013	
6/30/2015	<0.0013	
7/6/2015	<0.0013	
8/12/2015	<0.005	
2/29/2016	<0.01	
5/4/2016	<0.01	
7/8/2016	<0.01	
9/8/2016	<0.01	
10/26/2016	<0.01	
1/6/2017	<0.01	
3/15/2017	<0.01	
5/17/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

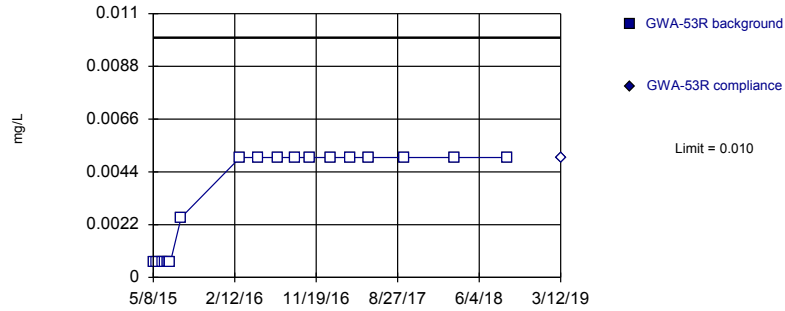
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	GWA-53	GWA-53
5/9/2015	<0.0013	
5/18/2015	<0.0013	
5/25/2015	<0.0013	
6/8/2015	<0.0013	
6/17/2015	<0.0013	
6/24/2015	<0.0013	
6/30/2015	<0.0013	
7/6/2015	<0.0013	
8/12/2015	<0.005	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/8/2016	<0.01	
9/8/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	<0.01	
5/19/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01



Within Limit

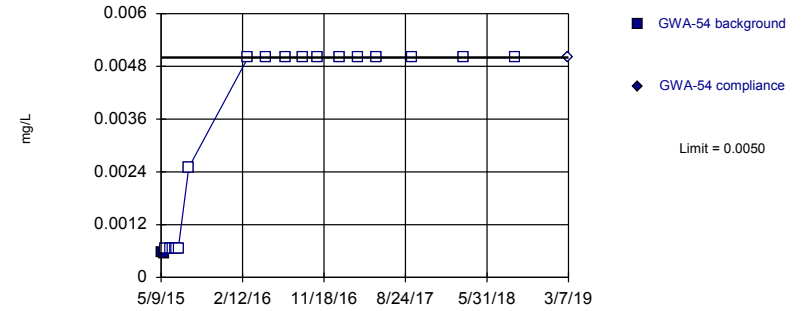
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Within Limit

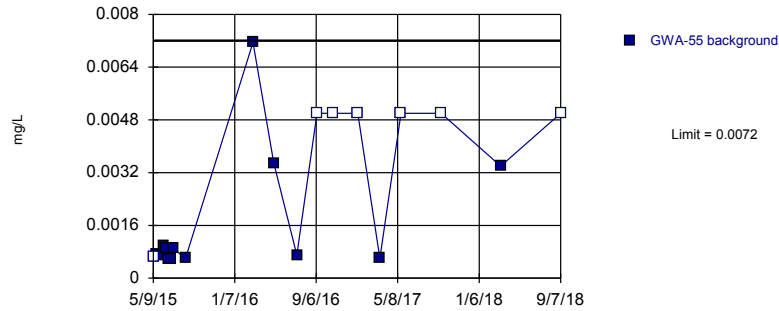
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Within Limit

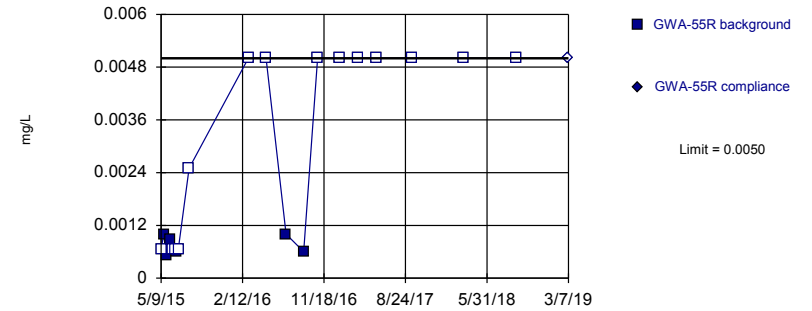
Prediction Limit  
Intrawell Non-parametric, GWA-55 (bg)



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 35% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	<0.0013	
5/17/2015	<0.0013	
5/25/2015	<0.0013	
6/8/2015	<0.0013	
6/18/2015	<0.0013	
6/24/2015	<0.0013	
6/30/2015	<0.0013	
7/6/2015	<0.0013	
8/12/2015	<0.005	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	<0.01	
9/7/2016	<0.01	
10/27/2016	<0.01	
1/6/2017	<0.01	
3/16/2017	<0.01	
5/19/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	0.00057 (J)	
5/18/2015	0.00055 (J)	
5/25/2015	<0.0013	
6/9/2015	<0.0013	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	<0.0013	
7/7/2015	<0.0013	
8/12/2015	<0.005	
3/2/2016	<0.01	
5/4/2016	<0.01	
7/8/2016	<0.01	
9/8/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/15/2017	<0.01	
5/18/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55
5/9/2015	<0.0013
5/18/2015	0.00071 (J)
5/26/2015	0.00067 (J)
6/9/2015	0.001 (J)
6/17/2015	0.00093 (J)
6/25/2015	0.00059 (J)
7/1/2015	0.00059 (J)
7/7/2015	0.00091 (J)
8/13/2015	0.0006 (J)
3/2/2016	0.00715 (J)
5/3/2016	0.00349 (J)
7/11/2016	0.0007 (J)
9/9/2016	<0.01
10/26/2016	<0.01
1/9/2017	<0.01
3/16/2017	0.0006 (J)
5/18/2017	<0.01
9/15/2017	<0.01
3/12/2018	0.0034 (J)
9/7/2018	<0.01
3/8/2019	0.0044 (X)

# Prediction Limit

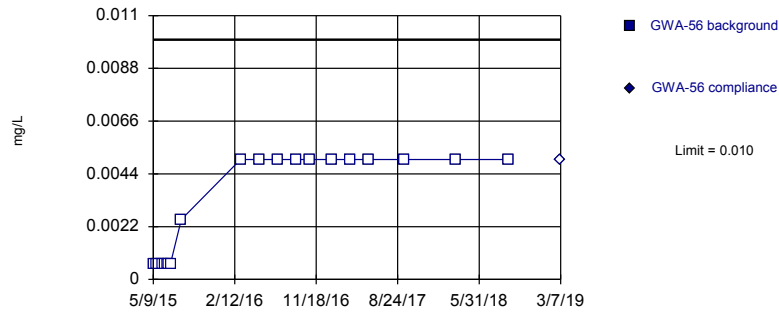
Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/9/2015	<0.0013	
5/18/2015	0.001 (J)	
5/26/2015	0.00052 (J)	
6/9/2015	0.00087 (J)	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	0.0006 (J)	
7/7/2015	<0.0013	
8/13/2015	<0.005	
3/3/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	0.001 (J)	
9/9/2016	0.0006 (J)	
10/27/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	<0.01	
5/18/2017	<0.01	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

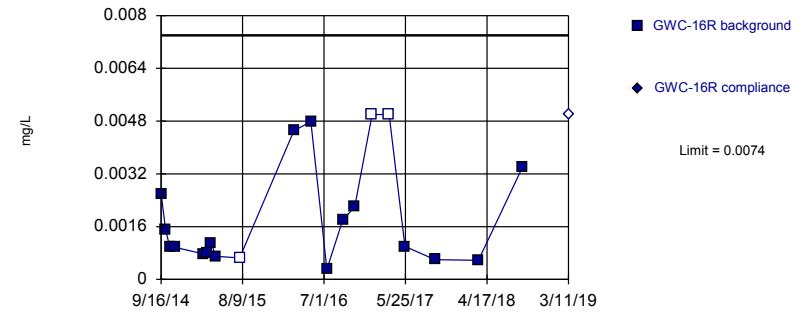


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:18 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

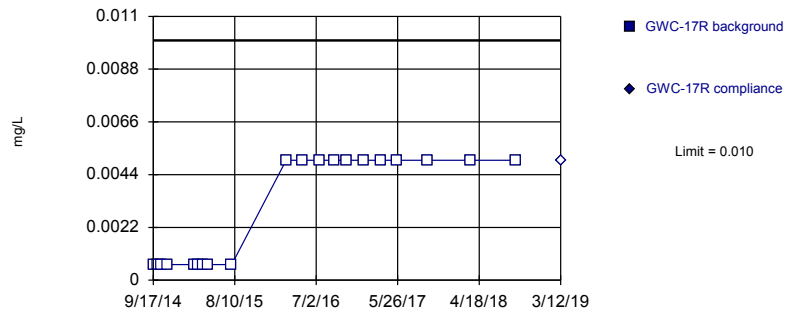


Background Data Summary (based on square root transformation): Mean=0.04084, Std. Dev.=0.01765, n=20, 15% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8717, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cobalt Analysis Run 8/26/2019 4:18 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

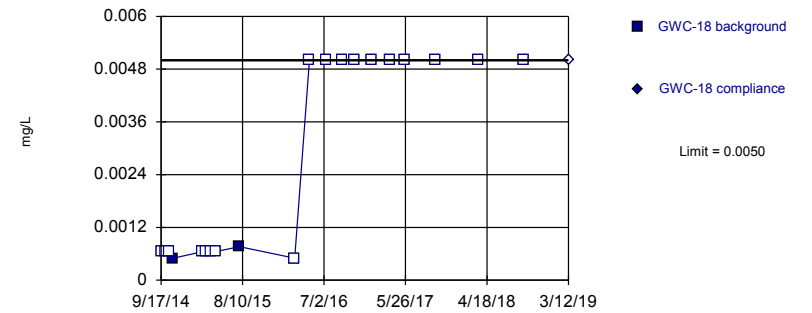


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:18 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/9/2015	<0.0013	
5/19/2015	<0.0013	
5/26/2015	<0.0013	
6/9/2015	<0.0013	
6/17/2015	<0.0013	
6/25/2015	<0.0013	
7/1/2015	<0.0013	
7/7/2015	<0.0013	
8/13/2015	<0.005	
3/3/2016	<0.01	
5/9/2016	<0.01	
7/11/2016	<0.01	
9/9/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/15/2017	<0.01	
5/18/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	0.0026	
10/4/2014	0.0015	
10/21/2014	0.00099 (J)	
11/11/2014	0.00097 (J)	
3/3/2015	0.00078 (J)	
3/18/2015	0.00081 (J)	
4/6/2015	0.0011 (J)	
4/23/2015	0.0007 (J)	
7/29/2015	<0.0013	
3/3/2016	0.00451 (JD)	
5/10/2016	0.00478 (J)	
7/13/2016	0.0003 (J)	
9/15/2016	0.0018 (J)	
11/2/2016	0.0022 (J)	
1/11/2017	<0.01	
3/20/2017	<0.01	
5/23/2017	0.001 (J)	
9/21/2017	0.0006 (J)	
3/14/2018	0.00058 (J)	
9/7/2018	0.0034 (J)	
3/11/2019		<0.01



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	<0.0013	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/11/2014	<0.0013	
3/3/2015	<0.0013	
3/18/2015	<0.0013	
4/6/2015	<0.0013	
4/23/2015	<0.0013	
7/29/2015	<0.0013	
3/4/2016	<0.01	
5/10/2016	<0.01	
7/14/2016	<0.01	
9/14/2016	<0.01	
11/1/2016	<0.01	
1/11/2017	<0.01	
3/21/2017	<0.01	
5/23/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

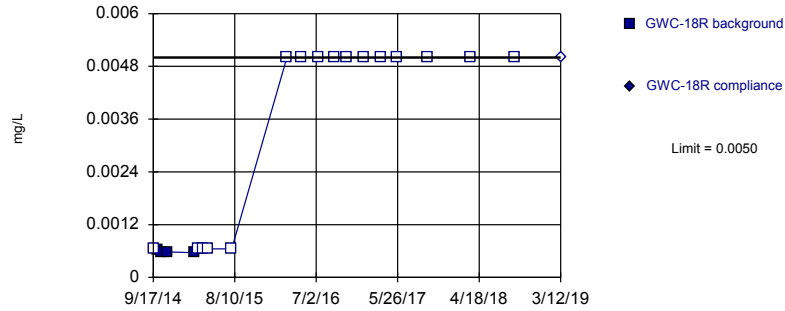
Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	<0.0013	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/5/2014	0.0005 (J)	
3/3/2015	<0.0013	
3/18/2015	<0.0013	
4/7/2015	<0.0013	
4/23/2015	<0.0013	
7/29/2015	0.00076 (J)	
3/7/2016	<0.001	
5/5/2016	<0.01	
7/13/2016	<0.01	
9/13/2016	<0.01	
10/31/2016	<0.01	
1/12/2017	<0.01	
3/23/2017	<0.01	
5/23/2017	<0.01	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

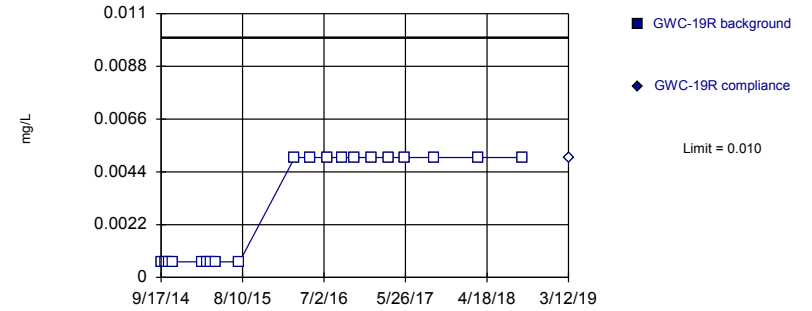


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

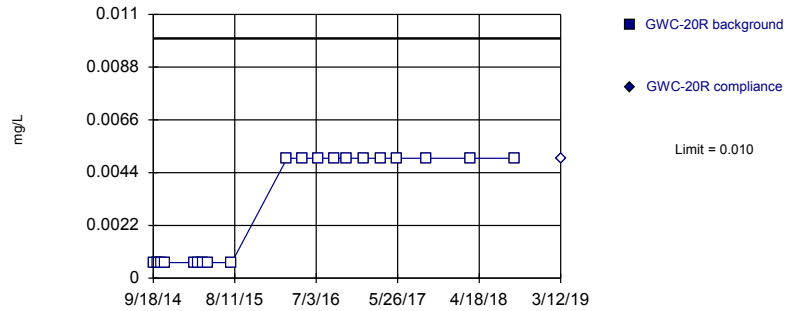


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

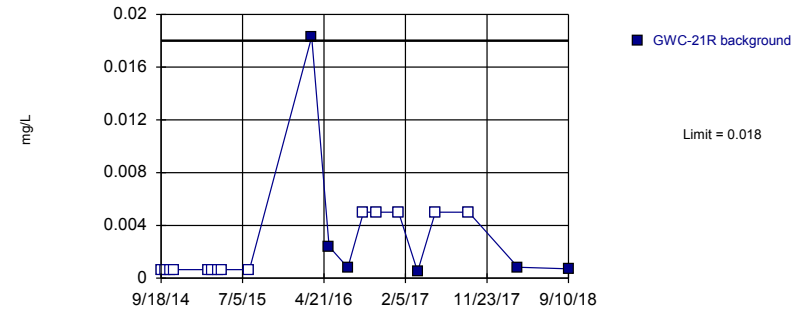


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-21R



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Cobalt Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	<0.0013	
10/4/2014	0.00063 (J)	
10/21/2014	0.00058 (J)	
11/11/2014	0.00058 (J)	
3/3/2015	0.00056 (J)	
3/18/2015	<0.0013	
4/7/2015	<0.0013	
4/23/2015	<0.0013	
7/29/2015	<0.0013	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/13/2016	<0.01	
9/12/2016	<0.01	
11/1/2016	<0.01	
1/11/2017	<0.01	
3/20/2017	<0.01	
5/22/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	<0.0013	
10/4/2014	<0.0013	
10/21/2014	<0.0013	
11/5/2014	<0.0013	
3/3/2015	<0.0013	
3/19/2015	<0.0013	
4/7/2015	<0.0013	
4/24/2015	<0.0013	
7/29/2015	<0.0013	
3/7/2016	<0.01	
5/9/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/31/2016	<0.01	
1/11/2017	<0.01	
3/21/2017	<0.01	
5/22/2017	<0.01	
9/20/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	<0.0013	
3/4/2015	<0.0013	
3/19/2015	<0.0013	
4/7/2015	<0.0013	
4/24/2015	<0.0013	
7/30/2015	<0.0013	
3/8/2016	<0.01	
5/9/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/31/2016	<0.01	
1/12/2017	<0.01	
3/22/2017	<0.01	
5/22/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

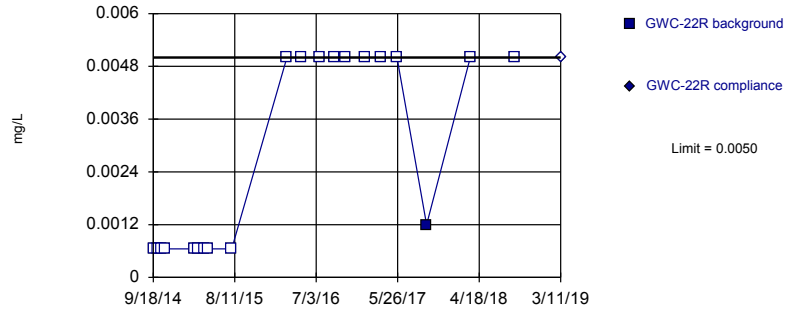
Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R
9/18/2014	<0.0013
10/5/2014	<0.0013
10/22/2014	<0.0013
11/5/2014	<0.0013
3/4/2015	<0.0013
3/19/2015	<0.0013
4/8/2015	<0.0013
4/24/2015	<0.0013
7/30/2015	<0.0013
3/8/2016	0.0183 (J)
5/9/2016	0.00239 (J)
7/15/2016	0.0008 (J)
9/9/2016	<0.01
10/27/2016	<0.01
1/12/2017	<0.01
3/21/2017	0.0005 (J)
5/23/2017	<0.01
9/19/2017	<0.01
3/14/2018	0.00083 (J)
9/10/2018	0.00071 (J)
3/11/2019	0.00056 (X)

Within Limit

Prediction Limit  
Intrawell Non-parametric

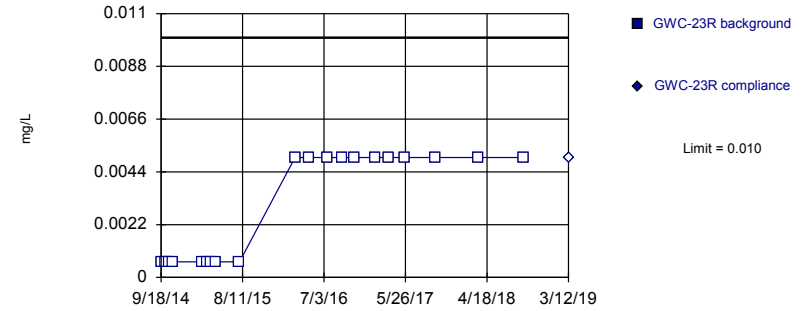


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

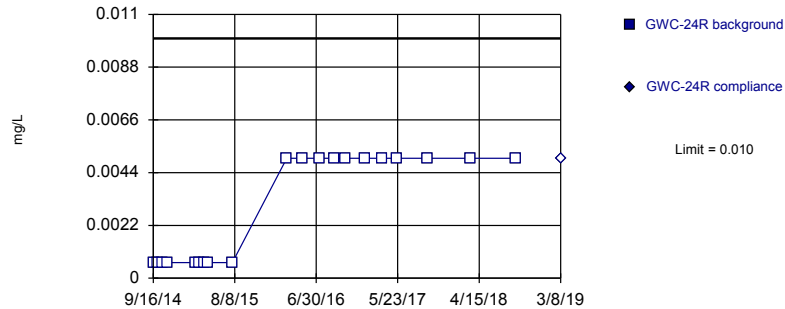


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

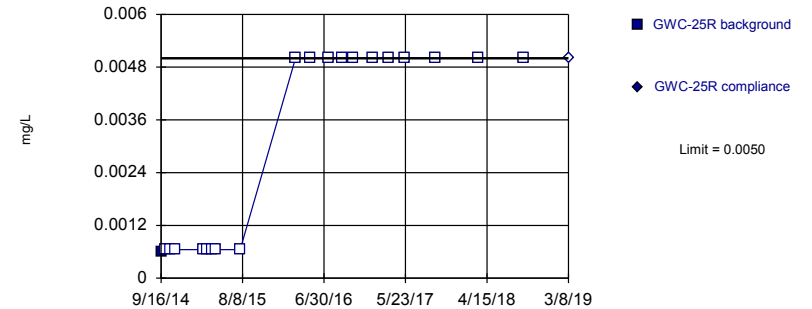


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	<0.0013	
3/4/2015	<0.0013	
3/19/2015	<0.0013	
4/8/2015	<0.0013	
4/24/2015	<0.0013	
7/30/2015	<0.0013	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	<0.01	
5/23/2017	<0.01	
9/19/2017	0.0012 (J)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	<0.0013	
10/5/2014	<0.0013	
10/22/2014	<0.0013	
11/5/2014	<0.0013	
3/4/2015	<0.0013	
3/20/2015	<0.0013	
4/8/2015	<0.0013	
4/23/2015	<0.0013	
7/30/2015	<0.0013	
3/9/2016	<0.01	
5/6/2016	<0.01	
7/15/2016	<0.01	
9/14/2016	<0.01	
11/1/2016	<0.01	
1/25/2017	<0.01	
3/22/2017	<0.01	
5/24/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	<0.0013	
10/4/2014	<0.0013	
10/23/2014	<0.0013	
11/10/2014	<0.0013	
3/4/2015	<0.0013	
3/20/2015	<0.0013	
4/8/2015	<0.0013	
4/23/2015	<0.0013	
7/30/2015	<0.0013	
3/4/2016	<0.01	
5/5/2016	<0.01	
7/12/2016	<0.01	
9/13/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	<0.01	
5/19/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

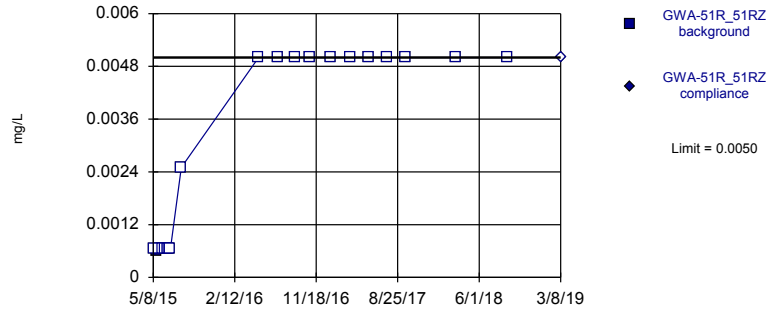
Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	0.0006 (J)	
10/4/2014	<0.0013	
10/23/2014	<0.0013	
11/10/2014	<0.0013	
3/4/2015	<0.0013	
3/20/2015	<0.0013	
4/9/2015	<0.0013	
4/23/2015	<0.0013	
7/30/2015	<0.0013	
3/8/2016	<0.01	
5/4/2016	<0.01	
7/18/2016	<0.01	
9/13/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/16/2017	<0.01	
5/19/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

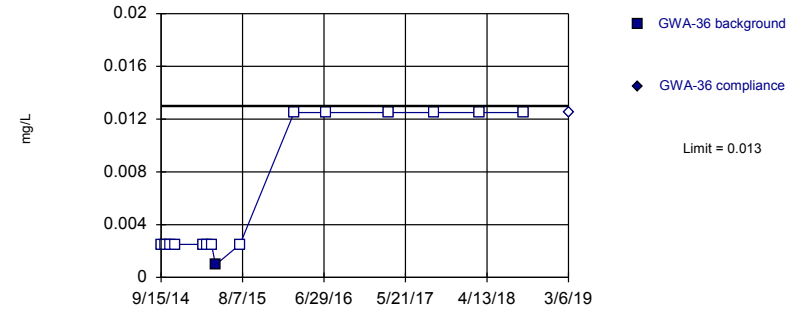


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

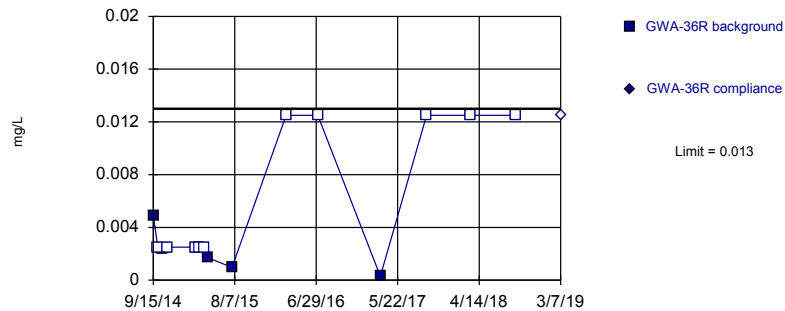


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

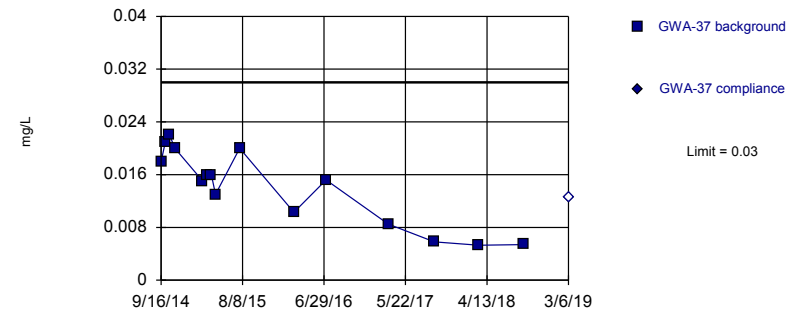


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.0141, Std. Dev.=0.005813, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9153, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	<0.0013	
5/17/2015	0.00059 (J)	
5/25/2015	<0.0013	
6/8/2015	<0.0013	
6/18/2015	<0.0013	
6/24/2015	<0.0013	
6/30/2015	<0.0013	
7/6/2015	<0.0013	
8/12/2015	<0.005	
5/4/2016	<0.01 (D)	
7/7/2016	<0.01 (D)	
9/8/2016	<0.01 (D)	
10/26/2016	<0.01 (D)	
1/6/2017	<0.01 (D)	
3/15/2017	<0.01 (D)	
5/18/2017	<0.01 (D)	
7/19/2017	<0.01 (D)	
9/19/2017	<0.01 (D)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.00095 (J)	
7/28/2015	<0.005	
3/1/2016	<0.025	
7/7/2016	<0.025	
3/15/2017	<0.025 (*)	
9/15/2017	<0.025	
3/12/2018	<0.025	
9/6/2018	<0.025	
3/6/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
9/15/2014	0.0049 (J)	
10/3/2014	<0.005	
10/20/2014	0.0024 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0017 (J)	
7/28/2015	0.00097 (J)	
3/1/2016	<0.025	
7/6/2016	<0.025	
3/14/2017	0.0003 (J)	
9/15/2017	<0.025	
3/12/2018	<0.025	
9/6/2018	<0.025	
3/7/2019		<0.025



# Prediction Limit

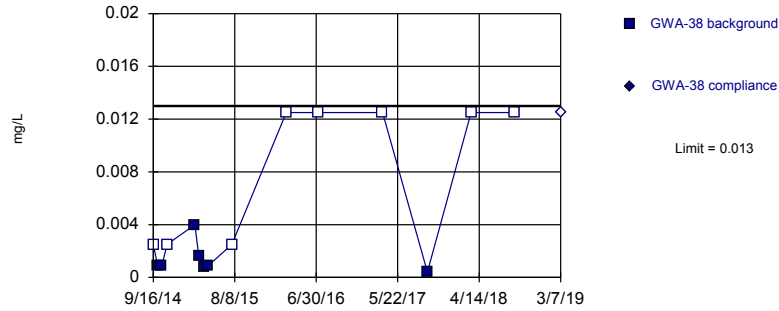
Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37	GWA-37
9/16/2014	0.018	
10/3/2014	0.021	
10/20/2014	0.022	
11/10/2014	0.02	
3/2/2015	0.015	
3/17/2015	0.016	
4/5/2015	0.016	
4/22/2015	0.013	
7/28/2015	0.02	
3/1/2016	0.0103 (J)	
7/8/2016	0.0152 (J)	
3/14/2017	0.0085 (J)	
9/15/2017	0.0058 (J)	
3/12/2018	0.0053 (J)	
9/6/2018	0.0054 (J)	
3/6/2019		<0.025

Within Limit

Prediction Limit  
Intrawell Non-parametric

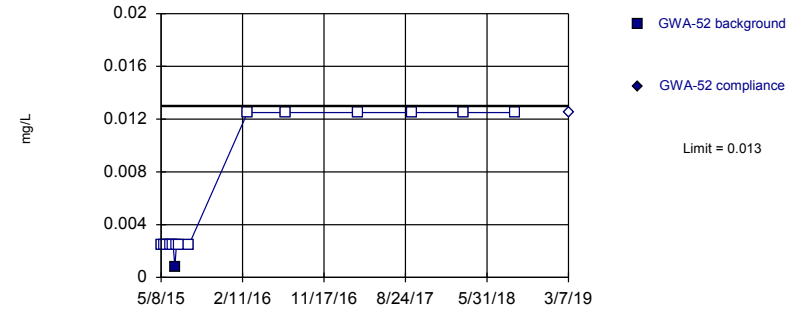


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

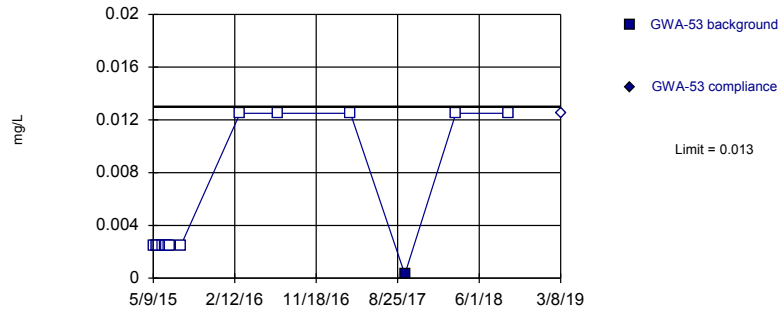


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:19 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

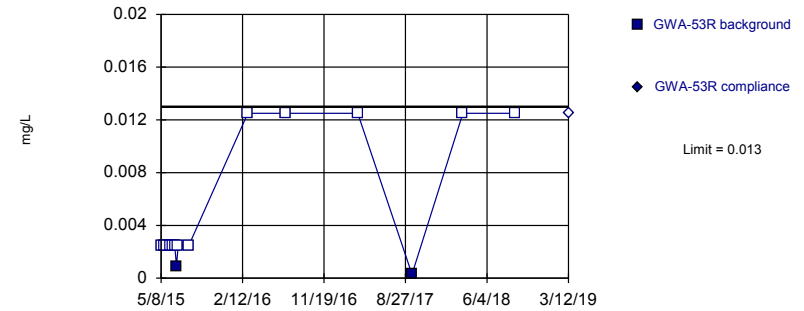


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	0.00089 (J)	
10/20/2014	0.00087 (J)	
11/10/2014	<0.005	
3/2/2015	0.004 (J)	
3/17/2015	0.0016 (J)	
4/6/2015	0.00083 (J)	
4/22/2015	0.00085 (J)	
7/28/2015	<0.005	
3/2/2016	<0.025	
7/7/2016	<0.025	
3/23/2017	<0.025	
9/19/2017	0.0004 (J)	
3/13/2018	<0.025	
9/6/2018	<0.025	
3/7/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	0.00082 (J)	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
2/29/2016	<0.025	
7/8/2016	<0.025	
3/15/2017	<0.025	
9/15/2017	<0.025	
3/13/2018	<0.025	
9/6/2018	<0.025	
3/7/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/17/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.025	
7/8/2016	<0.025	
3/16/2017	<0.025	
9/19/2017	0.0003 (J)	
3/13/2018	<0.025	
9/11/2018	<0.025	
3/8/2019		<0.025

# Prediction Limit

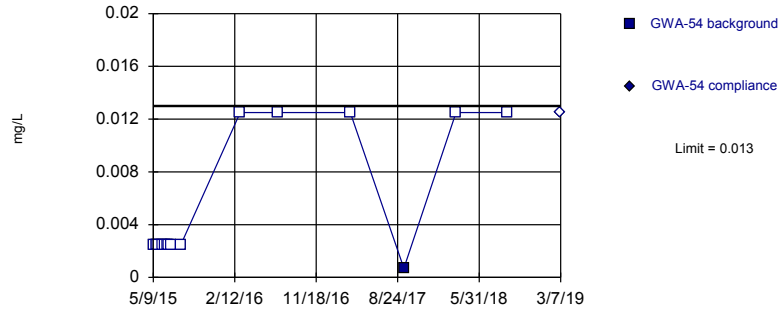
Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	0.00093 (J)	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.025	
7/11/2016	<0.025	
3/16/2017	<0.025	
9/19/2017	0.0003 (J)	
3/13/2018	<0.025	
9/11/2018	<0.025	
3/12/2019		<0.025

Within Limit

Prediction Limit  
Intrawell Non-parametric

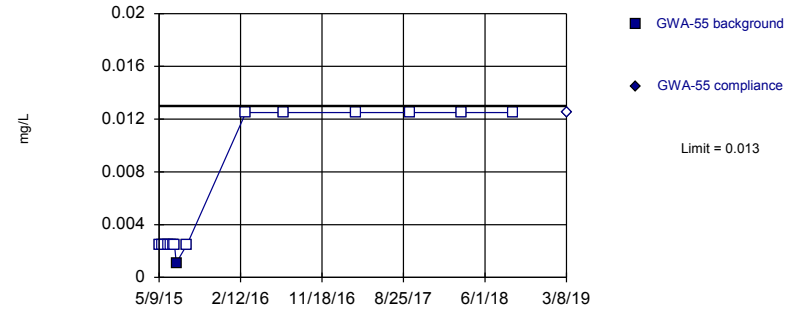


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

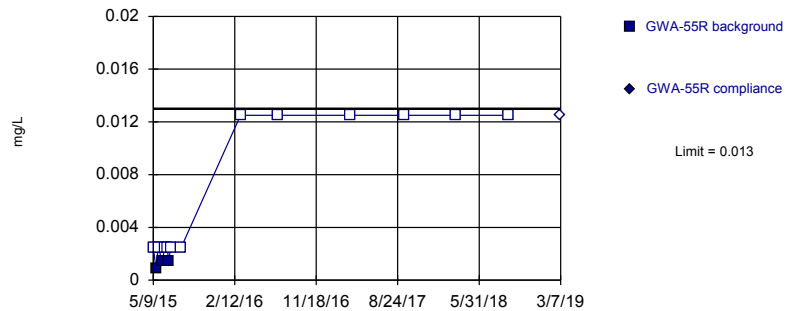


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

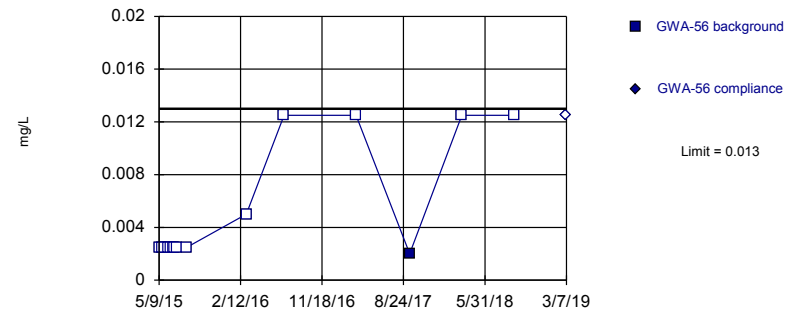


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.025	
7/8/2016	<0.025	
3/15/2017	<0.025	
9/15/2017	0.0007 (J)	
3/13/2018	<0.025	
9/6/2018	<0.025	
3/7/2019		<0.025



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/9/2015	<0.005	
5/18/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	0.0011 (J)	
8/13/2015	<0.005	
3/2/2016	<0.025	
7/11/2016	<0.025	
3/16/2017	<0.025	
9/15/2017	<0.025	
3/12/2018	<0.025	
9/7/2018	<0.025	
3/8/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/9/2015	<0.005	
5/18/2015	0.00093 (J)	
5/26/2015	<0.005	
6/9/2015	0.0014 (J)	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	0.0014 (J)	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.025	
7/11/2016	<0.025	
3/16/2017	<0.025 (*)	
9/18/2017	<0.025	
3/12/2018	<0.025	
9/7/2018	<0.025	
3/7/2019		<0.025

# Prediction Limit

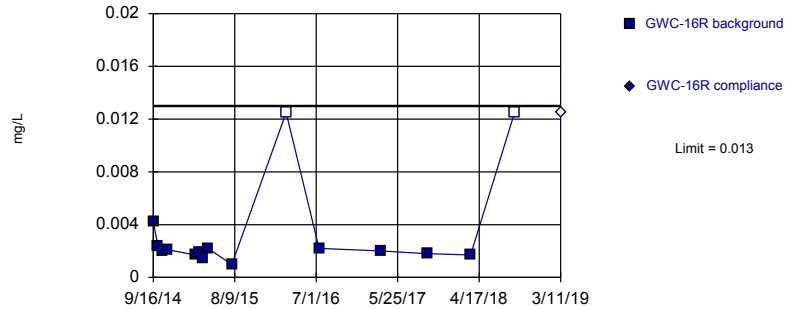
Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/9/2015	<0.005	
5/19/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.01	
7/11/2016	<0.025	
3/15/2017	<0.025 (*)	
9/15/2017	0.002 (J)	
3/13/2018	<0.025	
9/7/2018	<0.025	
3/7/2019		<0.025

Within Limit

Prediction Limit  
Intrawell Non-parametric

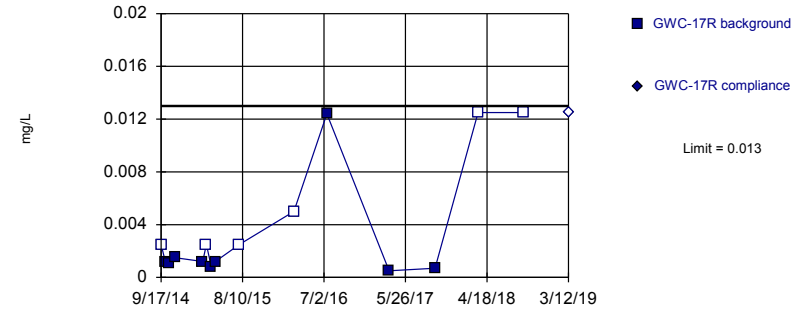


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 13.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

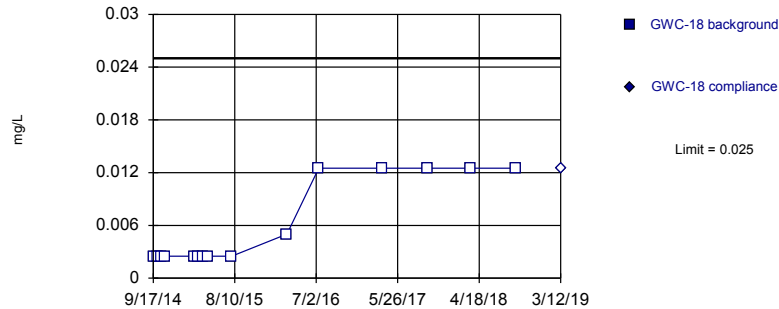


Non-parametric test used after natural log transformation resulted in a parametric limit of 263.9, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

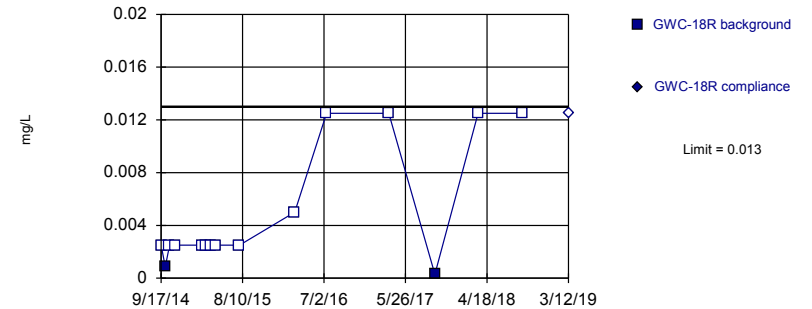


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	0.0042 (J)	
10/4/2014	0.0024 (J)	
10/21/2014	0.002 (J)	
11/11/2014	0.0021 (J)	
3/3/2015	0.0017 (J)	
3/18/2015	0.0019 (J)	
4/6/2015	0.0014 (J)	
4/23/2015	0.0022 (J)	
7/29/2015	0.00098 (J)	
3/3/2016	<0.025 (D)	
7/13/2016	0.0022 (J)	
3/20/2017	0.002 (J)	
9/21/2017	0.0018 (J)	
3/14/2018	0.0017 (J)	
9/7/2018	<0.025	
3/11/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	0.0012 (J)	
10/21/2014	0.0011 (J)	
11/11/2014	0.0015 (J)	
3/3/2015	0.0012 (J)	
3/18/2015	<0.005	
4/6/2015	0.00083 (J)	
4/23/2015	0.0012 (J)	
7/29/2015	<0.005	
3/4/2016	<0.01	
7/14/2016	0.0124 (J)	
3/21/2017	0.0005 (J)	
9/22/2017	0.0007 (J)	
3/14/2018	<0.025	
9/11/2018	<0.025	
3/12/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.01	
7/13/2016	<0.025	
3/23/2017	<0.025	
9/25/2017	<0.025	
3/14/2018	<0.025	
9/11/2018	<0.025	
3/12/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

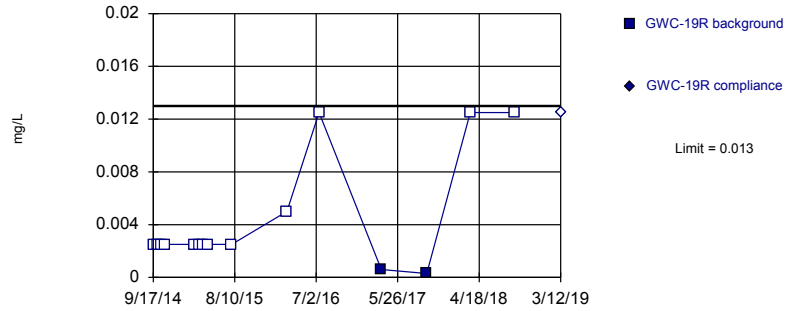
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	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	0.00086 (J)	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.01	
7/13/2016	<0.025	
3/20/2017	<0.025	
9/21/2017	0.0003 (J)	
3/14/2018	<0.025	
9/7/2018	<0.025	
3/12/2019		<0.025



Within Limit

Prediction Limit  
Intrawell Non-parametric

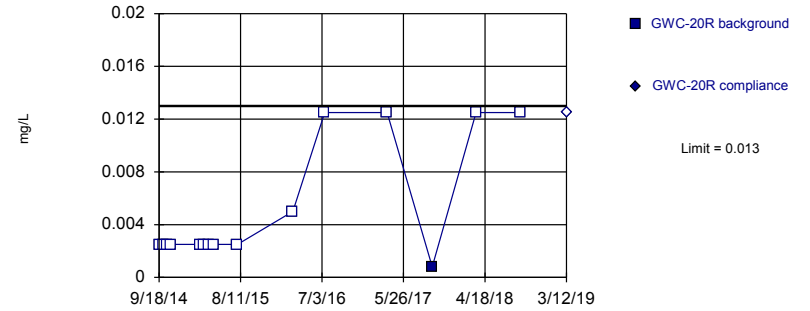


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

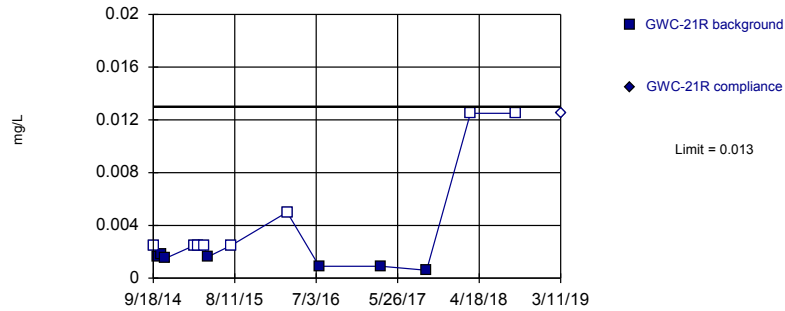


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

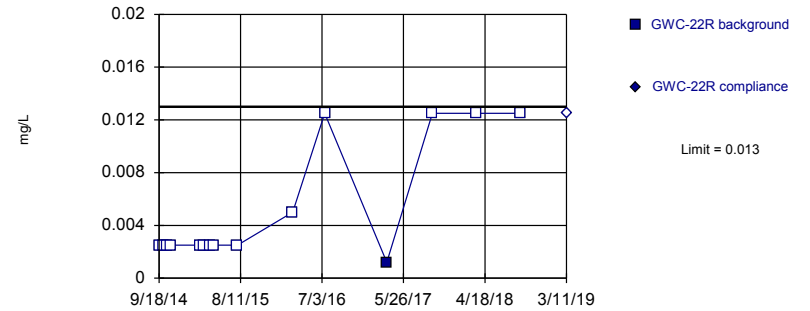


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.01	
7/14/2016	<0.025	
3/21/2017	0.0006 (J)	
9/20/2017	0.0003 (J)	
3/14/2018	<0.025	
9/10/2018	<0.025	
3/12/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.01	
7/14/2016	<0.025	
3/22/2017	<0.025	
9/19/2017	0.0008 (J)	
3/14/2018	<0.025	
9/10/2018	<0.025	
3/12/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	0.0016 (J)	
10/22/2014	0.0018 (J)	
11/5/2014	0.0015 (J)	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	0.0016 (J)	
7/30/2015	<0.005	
3/8/2016	<0.01	
7/15/2016	0.0009 (J)	
3/21/2017	0.0009 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.025	
9/10/2018	<0.025	
3/11/2019		<0.025

# Prediction Limit

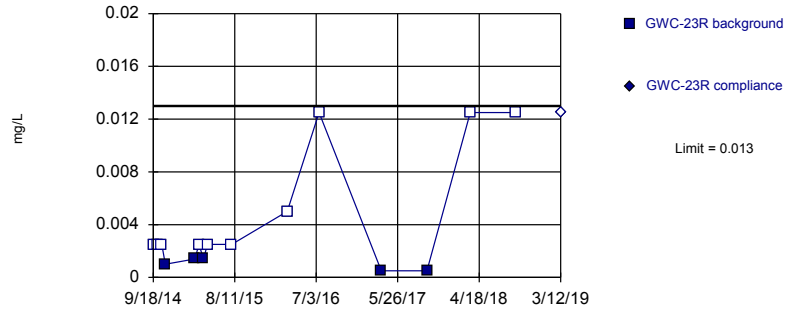
Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.01	
7/14/2016	<0.025	
3/20/2017	0.0012 (J)	
9/19/2017	<0.025	
3/13/2018	<0.025	
9/7/2018	<0.025	
3/11/2019		<0.025

Within Limit

Prediction Limit  
Intrawell Non-parametric

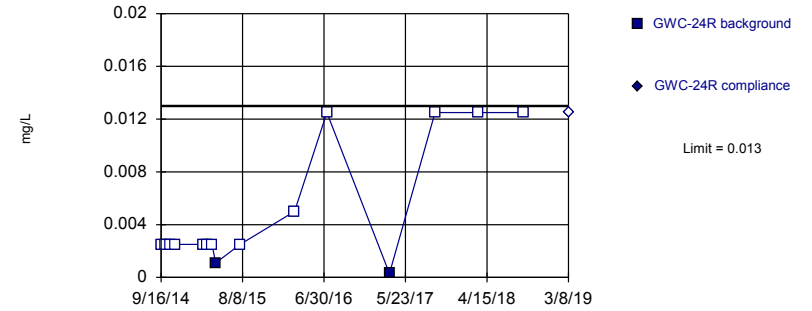


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

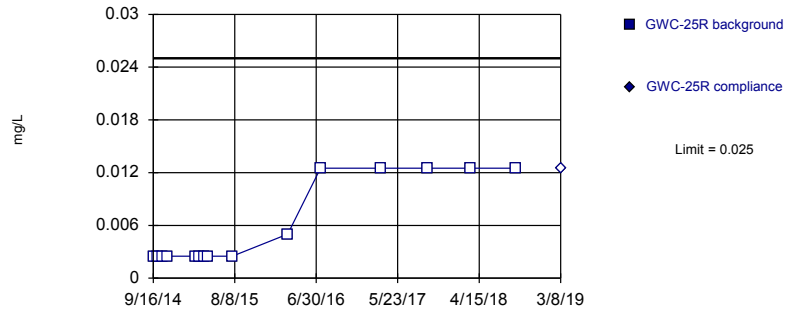


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

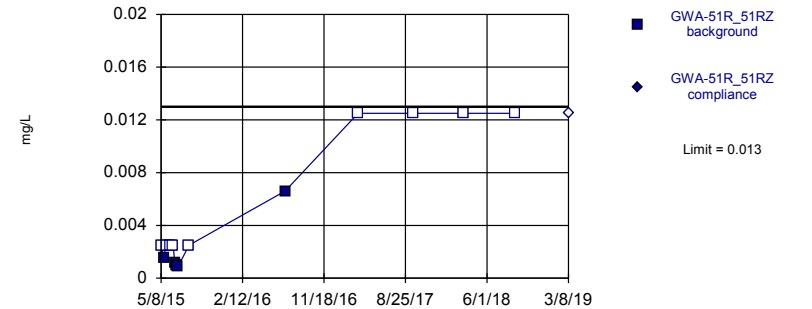


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Copper Analysis Run 8/26/2019 4:20 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	0.001 (J)	
3/4/2015	0.0014 (J)	
3/20/2015	<0.005	
4/8/2015	0.0014 (J)	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.01	
7/15/2016	<0.025	
3/22/2017	0.0005 (J)	
9/21/2017	0.0005 (J)	
3/14/2018	<0.025	
9/11/2018	<0.025	
3/12/2019		<0.025

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	0.0011 (J)	
7/30/2015	<0.005	
3/4/2016	<0.01	
7/12/2016	<0.025	
3/20/2017	0.0003 (J)	
9/19/2017	<0.025	
3/13/2018	<0.025	
9/11/2018	<0.025	
3/8/2019		<0.025



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.01	
7/18/2016	<0.025	
3/16/2017	<0.025 (*)	
9/19/2017	<0.025	
3/13/2018	<0.025	
9/11/2018	<0.025	
3/8/2019		<0.025

# Prediction Limit

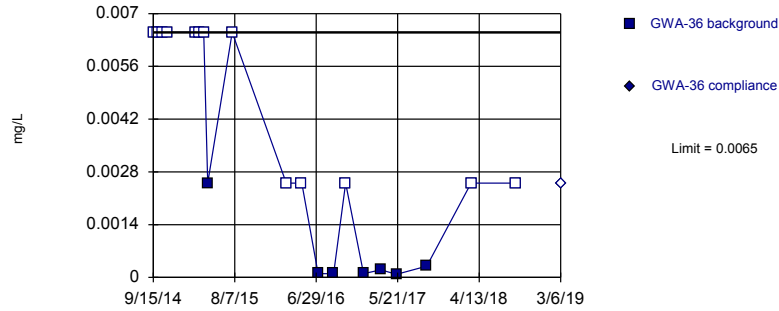
Constituent: Copper (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	<0.005	
5/17/2015	0.0015 (J)	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	0.0012 (J)	
6/30/2015	0.00096 (J)	
7/6/2015	0.00091 (J)	
8/12/2015	<0.005	
7/7/2016	0.0066 (JD)	
3/15/2017	<0.025 (D)	
9/19/2017	<0.025 (D)	
3/13/2018	<0.025	
9/7/2018	<0.025	
3/8/2019		<0.025

Within Limit

Prediction Limit  
Intrawell Non-parametric

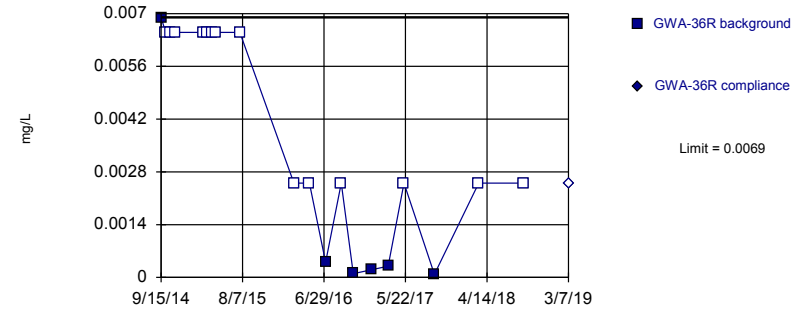


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

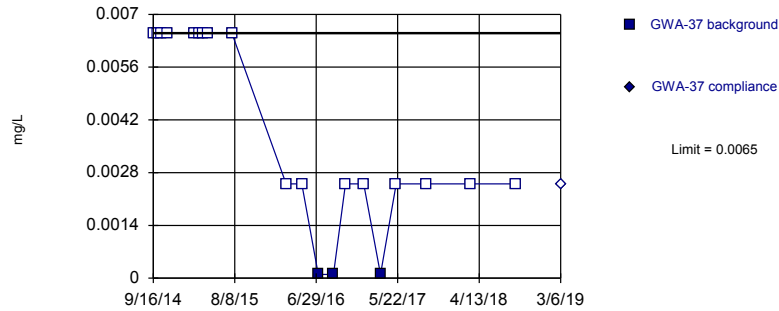


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

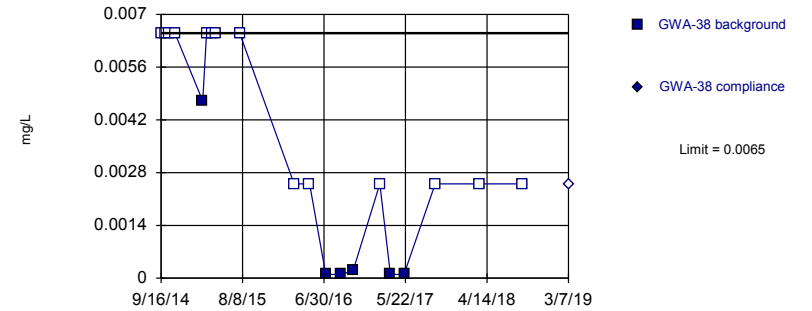


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	<0.013	
10/3/2014	<0.013	
10/20/2014	<0.013	
11/10/2014	<0.013	
3/2/2015	<0.013	
3/17/2015	<0.013	
4/5/2015	<0.013	
4/21/2015	0.0025 (J)	
7/28/2015	<0.013	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/7/2016	0.0001 (J)	
9/7/2016	0.0001 (J)	
10/25/2016	<0.005	
1/5/2017	0.0001 (J)	
3/15/2017	0.0002 (J)	
5/17/2017	8E-05 (J)	
9/15/2017	0.0003 (J)	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
9/15/2014	0.0069 (J)	
10/3/2014	<0.013	
10/20/2014	<0.013	
11/10/2014	<0.013	
3/2/2015	<0.013	
3/17/2015	<0.013	
4/5/2015	<0.013	
4/21/2015	<0.013	
7/28/2015	<0.013	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	0.0004 (J)	
9/7/2016	<0.005	
10/25/2016	0.0001 (J)	
1/5/2017	0.0002 (J)	
3/14/2017	0.0003 (J)	
5/16/2017	<0.005	
9/15/2017	8E-05 (J)	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37	GWA-37
9/16/2014	<0.013	
10/3/2014	<0.013	
10/20/2014	<0.013	
11/10/2014	<0.013	
3/2/2015	<0.013	
3/17/2015	<0.013	
4/5/2015	<0.013	
4/22/2015	<0.013	
7/28/2015	<0.013	
3/1/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	0.0001 (J)	
9/7/2016	0.0001 (J)	
10/25/2016	<0.005	
1/6/2017	<0.005	
3/14/2017	0.0001 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005

# Prediction Limit

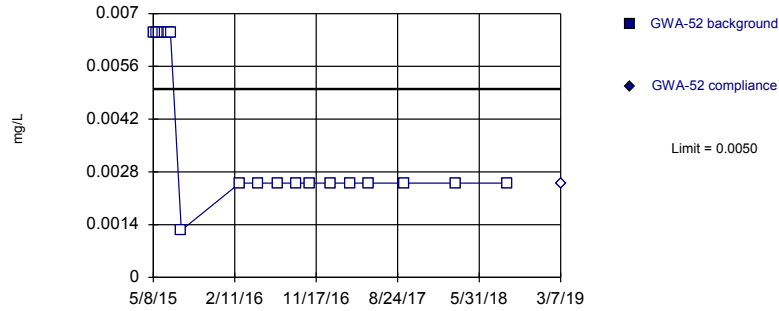
Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	<0.013	
10/3/2014	<0.013	
10/20/2014	<0.013	
11/10/2014	<0.013	
3/2/2015	0.0047 (J)	
3/17/2015	<0.013	
4/6/2015	<0.013	
4/22/2015	<0.013	
7/28/2015	<0.013	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/7/2016	0.0001 (J)	
9/8/2016	0.0001 (J)	
10/25/2016	0.0002 (J)	
2/9/2017	<0.005	
3/23/2017	0.0001 (J)	
5/17/2017	0.0001 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

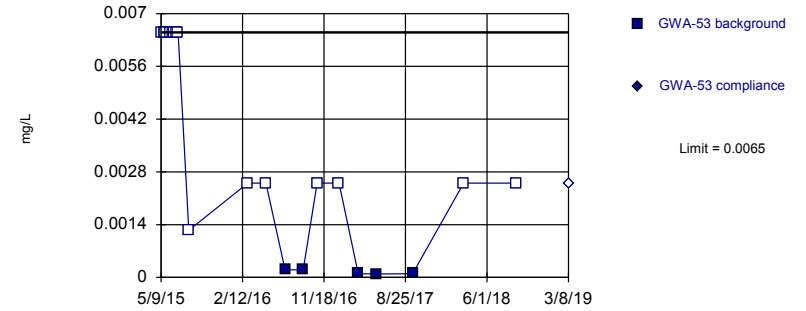


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

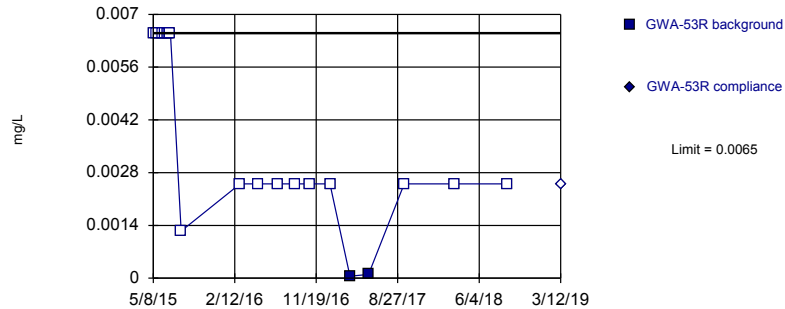


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

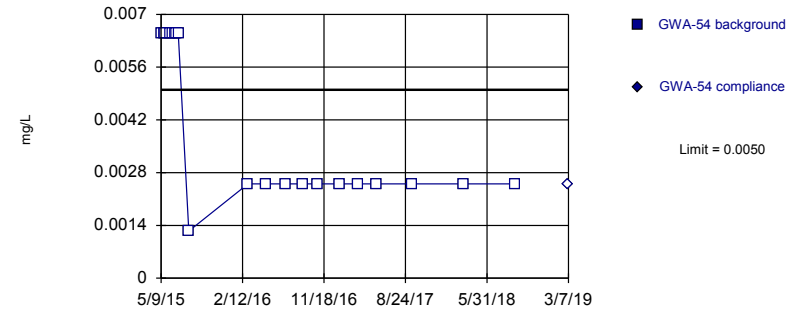


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.013	
5/17/2015	<0.013	
5/25/2015	<0.013	
6/8/2015	<0.013	
6/18/2015	<0.013	
6/24/2015	<0.013	
6/30/2015	<0.013	
7/6/2015	<0.013	
8/12/2015	<0.0025	
2/29/2016	<0.005	
5/4/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/6/2017	<0.005	
3/15/2017	<0.005	
5/17/2017	<0.005	
9/15/2017	<0.005	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/9/2015	<0.013	
5/18/2015	<0.013	
5/25/2015	<0.013	
6/8/2015	<0.013	
6/17/2015	<0.013	
6/24/2015	<0.013	
6/30/2015	<0.013	
7/6/2015	<0.013	
8/12/2015	<0.0025	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	0.0002 (J)	
9/8/2016	0.0002 (J)	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	0.0001 (J)	
5/19/2017	9E-05 (J)	
9/19/2017	0.0001 (J)	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	<0.013	
5/17/2015	<0.013	
5/25/2015	<0.013	
6/8/2015	<0.013	
6/18/2015	<0.013	
6/24/2015	<0.013	
6/30/2015	<0.013	
7/6/2015	<0.013	
8/12/2015	<0.0025	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	<0.005	
9/7/2016	<0.005	
10/27/2016	<0.005	
1/6/2017	<0.005	
3/16/2017	5E-05 (J)	
5/19/2017	0.0001 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005

# Prediction Limit

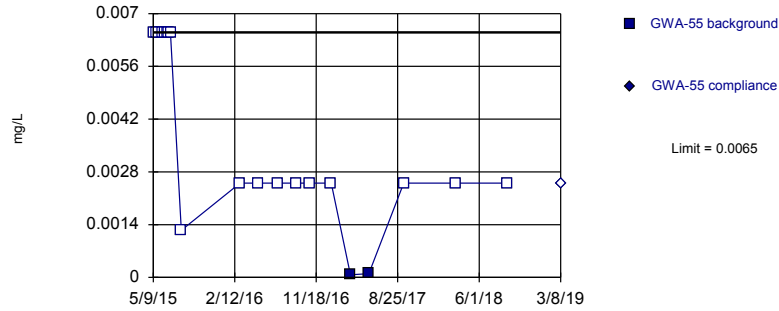
Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	<0.013	
5/18/2015	<0.013	
5/25/2015	<0.013	
6/9/2015	<0.013	
6/17/2015	<0.013	
6/25/2015	<0.013	
7/1/2015	<0.013	
7/7/2015	<0.013	
8/12/2015	<0.0025	
3/2/2016	<0.005	
5/4/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/15/2017	<0.005	
5/18/2017	<0.005	
9/15/2017	<0.005	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

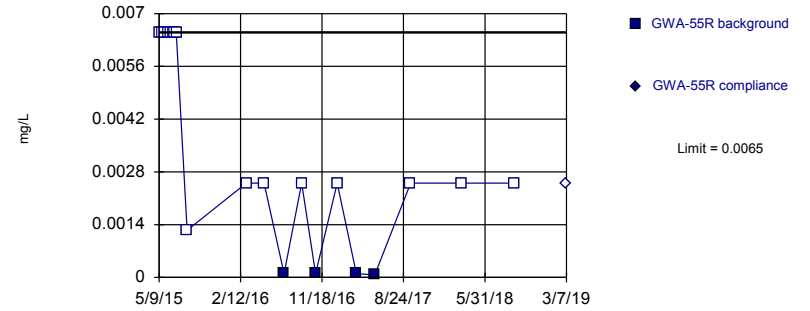


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

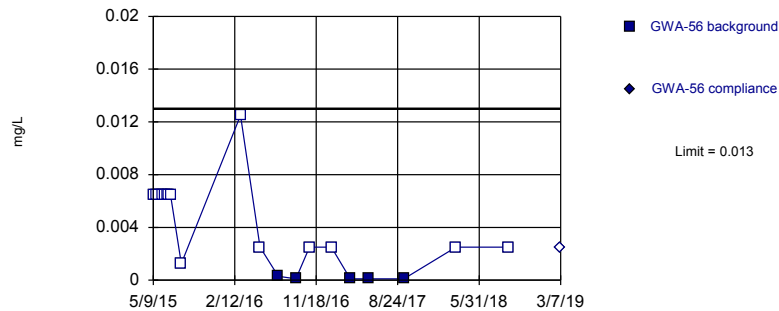


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

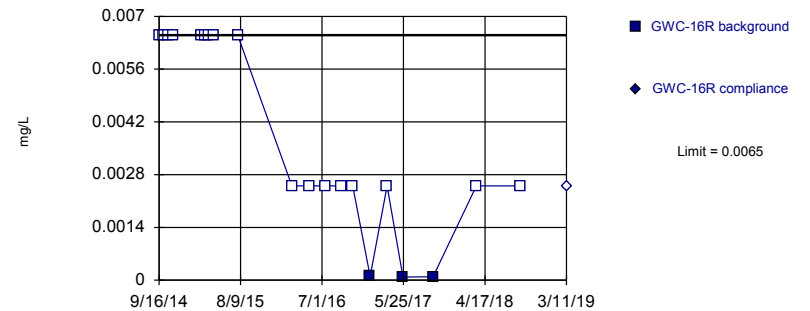


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/9/2015	<0.013	
5/18/2015	<0.013	
5/26/2015	<0.013	
6/9/2015	<0.013	
6/17/2015	<0.013	
6/25/2015	<0.013	
7/1/2015	<0.013	
7/7/2015	<0.013	
8/13/2015	<0.0025	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	<0.005	
9/9/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	7E-05 (J)	
5/18/2017	0.0001 (J)	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/8/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/9/2015	<0.013	
5/18/2015	<0.013	
5/26/2015	<0.013	
6/9/2015	<0.013	
6/17/2015	<0.013	
6/25/2015	<0.013	
7/1/2015	<0.013	
7/7/2015	<0.013	
8/13/2015	<0.0025	
3/3/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	0.0001 (J)	
9/9/2016	<0.005	
10/27/2016	0.0001 (J)	
1/9/2017	<0.005	
3/16/2017	0.0001 (J)	
5/18/2017	7E-05 (J)	
9/18/2017	<0.005	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/7/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/9/2015	<0.013	
5/19/2015	<0.013	
5/26/2015	<0.013	
6/9/2015	<0.013	
6/17/2015	<0.013	
6/25/2015	<0.013	
7/1/2015	<0.013	
7/7/2015	<0.013	
8/13/2015	<0.0025	
3/3/2016	<0.025	
5/9/2016	<0.005	
7/11/2016	0.0003 (J)	
9/9/2016	0.0001 (J)	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/15/2017	0.0001 (J)	
5/18/2017	0.0001 (J)	
9/15/2017	0.0001 (J)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/7/2019		<0.005



# Prediction Limit

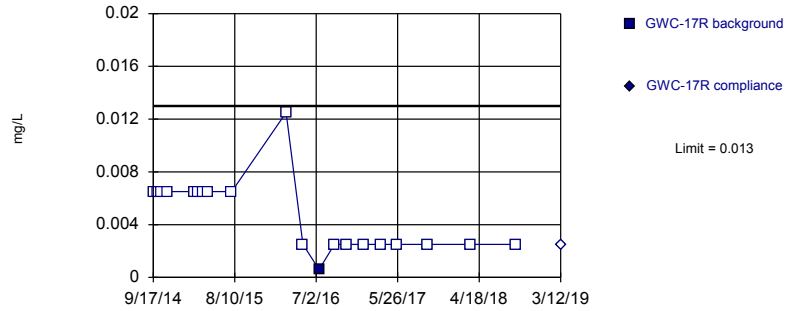
Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	<0.013	
10/4/2014	<0.013	
10/21/2014	<0.013	
11/11/2014	<0.013	
3/3/2015	<0.013	
3/18/2015	<0.013	
4/6/2015	<0.013	
4/23/2015	<0.013	
7/29/2015	<0.013	
3/3/2016	<0.005 (D)	
5/10/2016	<0.005	
7/13/2016	<0.005	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/11/2017	0.0001 (J)	
3/20/2017	<0.005	
5/23/2017	8E-05 (J)	
9/21/2017	9E-05 (J)	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/11/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

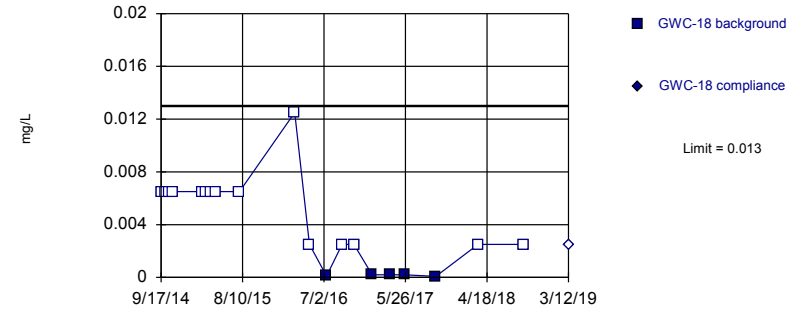


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

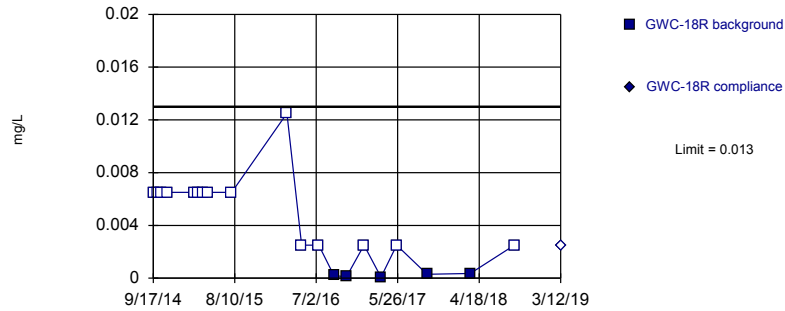


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

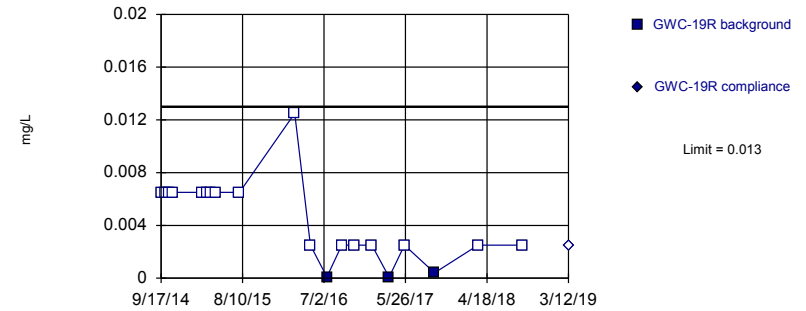


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:21 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	<0.013	
10/4/2014	<0.013	
10/21/2014	<0.013	
11/11/2014	<0.013	
3/3/2015	<0.013	
3/18/2015	<0.013	
4/6/2015	<0.013	
4/23/2015	<0.013	
7/29/2015	<0.013	
3/4/2016	<0.025	
5/10/2016	<0.005	
7/14/2016	0.0006 (J)	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	<0.005	
5/23/2017	<0.005	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	<0.013	
10/4/2014	<0.013	
10/21/2014	<0.013	
11/5/2014	<0.013	
3/3/2015	<0.013	
3/18/2015	<0.013	
4/7/2015	<0.013	
4/23/2015	<0.013	
7/29/2015	<0.013	
3/7/2016	<0.025	
5/5/2016	<0.005	
7/13/2016	0.0001 (J)	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	0.0002 (J)	
3/23/2017	0.0002 (J)	
5/23/2017	0.0002 (J)	
9/25/2017	8E-05 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	<0.013	
10/4/2014	<0.013	
10/21/2014	<0.013	
11/11/2014	<0.013	
3/3/2015	<0.013	
3/18/2015	<0.013	
4/7/2015	<0.013	
4/23/2015	<0.013	
7/29/2015	<0.013	
3/7/2016	<0.025	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	0.0002 (J)	
11/1/2016	0.0001 (J)	
1/11/2017	<0.005	
3/20/2017	7E-05 (J)	
5/22/2017	<0.005	
9/21/2017	0.0003 (J)	
3/14/2018	0.00035 (J)	
9/7/2018	<0.005	
3/12/2019		<0.005

# Prediction Limit

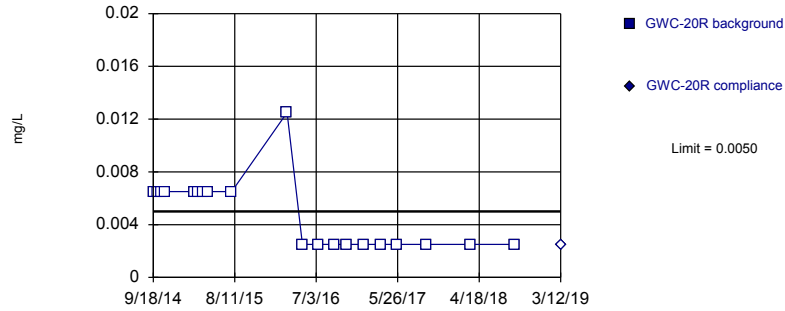
Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	<0.013	
10/4/2014	<0.013	
10/21/2014	<0.013	
11/5/2014	<0.013	
3/3/2015	<0.013	
3/19/2015	<0.013	
4/7/2015	<0.013	
4/24/2015	<0.013	
7/29/2015	<0.013	
3/7/2016	<0.025	
5/9/2016	<0.005	
7/14/2016	9E-05 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	7E-05 (J)	
5/22/2017	<0.005	
9/20/2017	0.0004 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

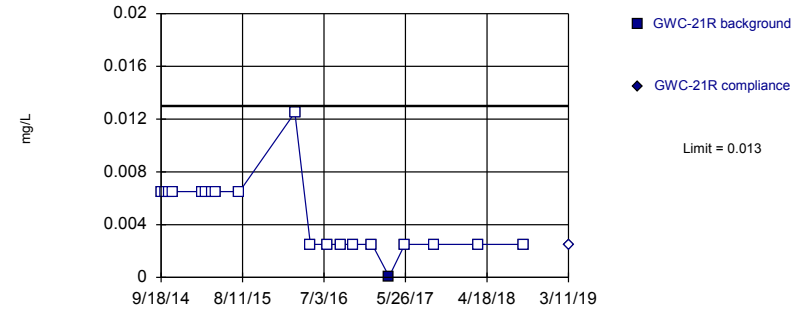


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

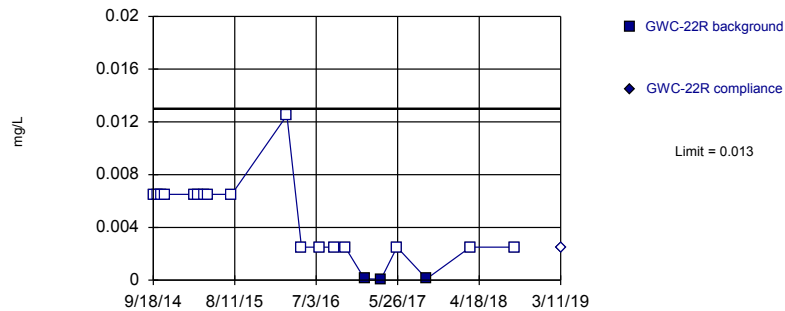


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

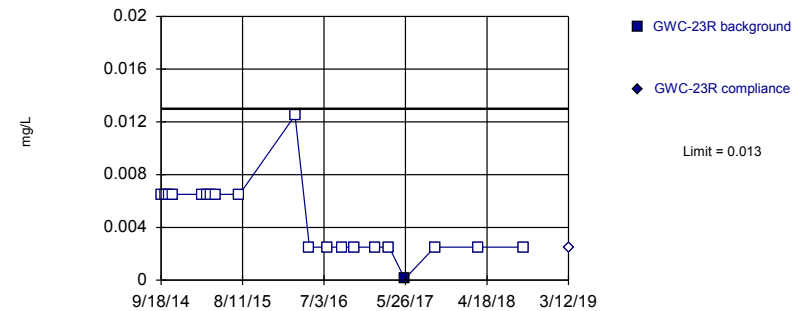


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	<0.013	
10/5/2014	<0.013	
10/22/2014	<0.013	
11/5/2014	<0.013	
3/4/2015	<0.013	
3/19/2015	<0.013	
4/7/2015	<0.013	
4/24/2015	<0.013	
7/30/2015	<0.013	
3/8/2016	<0.025	
5/9/2016	<0.005	
7/14/2016	<0.005	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/22/2017	<0.005	
5/22/2017	<0.005	
9/19/2017	<0.005	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019		<0.005



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
9/18/2014	<0.013	
10/5/2014	<0.013	
10/22/2014	<0.013	
11/5/2014	<0.013	
3/4/2015	<0.013	
3/19/2015	<0.013	
4/8/2015	<0.013	
4/24/2015	<0.013	
7/30/2015	<0.013	
3/8/2016	<0.025	
5/9/2016	<0.005	
7/15/2016	<0.005	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	<0.005	
3/21/2017	6E-05 (J)	
5/23/2017	<0.005	
9/19/2017	<0.005	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/11/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
9/18/2014	<0.013	
10/5/2014	<0.013	
10/22/2014	<0.013	
11/5/2014	<0.013	
3/4/2015	<0.013	
3/19/2015	<0.013	
4/8/2015	<0.013	
4/24/2015	<0.013	
7/30/2015	<0.013	
3/7/2016	<0.025	
5/5/2016	<0.005	
7/14/2016	<0.005	
9/12/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	0.0001 (J)	
3/20/2017	7E-05 (J)	
5/23/2017	<0.005	
9/19/2017	0.0001 (J)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/11/2019		<0.005

# Prediction Limit

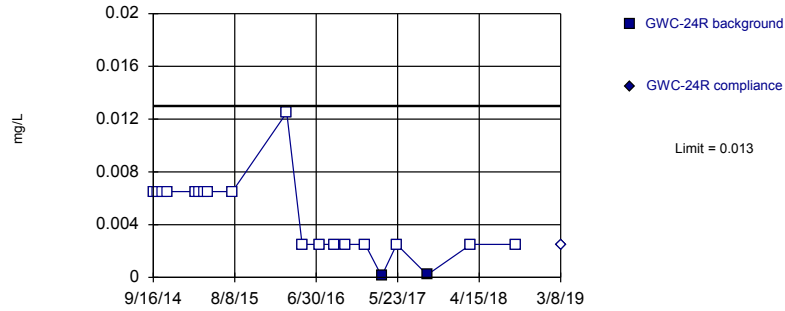
Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	<0.013	
10/5/2014	<0.013	
10/22/2014	<0.013	
11/5/2014	<0.013	
3/4/2015	<0.013	
3/20/2015	<0.013	
4/8/2015	<0.013	
4/23/2015	<0.013	
7/30/2015	<0.013	
3/9/2016	<0.025	
5/6/2016	<0.005	
7/15/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	<0.005	
3/22/2017	<0.005	
5/24/2017	0.0001 (J)	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

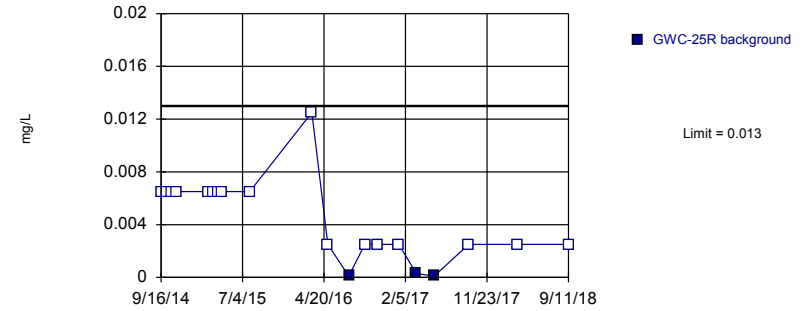


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-25R

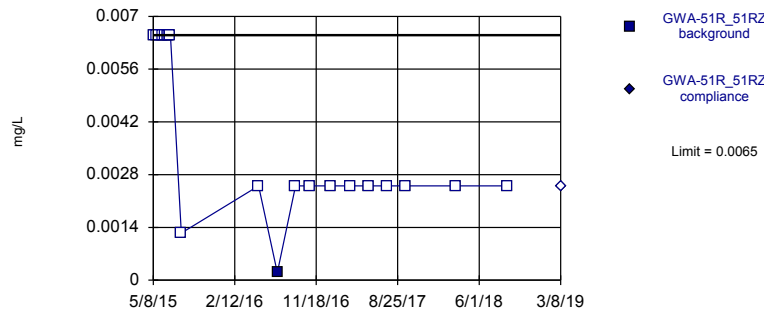


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Lead Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

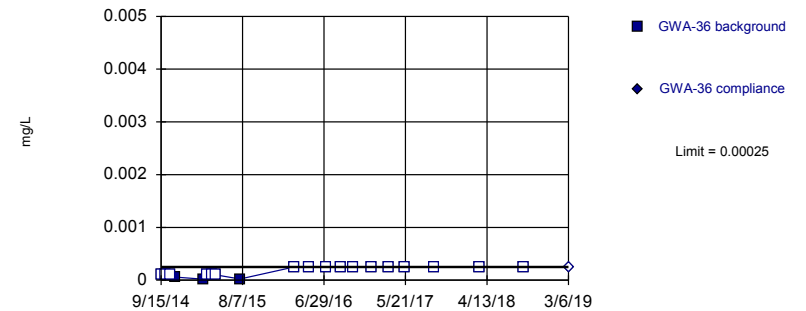


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	<0.013	
10/4/2014	<0.013	
10/23/2014	<0.013	
11/10/2014	<0.013	
3/4/2015	<0.013	
3/20/2015	<0.013	
4/8/2015	<0.013	
4/23/2015	<0.013	
7/30/2015	<0.013	
3/4/2016	<0.025	
5/5/2016	<0.005	
7/12/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0001 (J)	
5/19/2017	<0.005	
9/19/2017	0.0002 (J)	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R
9/16/2014	<0.013
10/4/2014	<0.013
10/23/2014	<0.013
11/10/2014	<0.013
3/4/2015	<0.013
3/20/2015	<0.013
4/9/2015	<0.013
4/23/2015	<0.013
7/30/2015	<0.013
3/8/2016	<0.025
5/4/2016	<0.005
7/18/2016	0.0001 (J)
9/13/2016	<0.005
10/27/2016	<0.005
1/13/2017	<0.005
3/16/2017	0.0003 (J)
5/19/2017	0.0001 (J)
9/19/2017	<0.005
3/13/2018	<0.005
9/11/2018	<0.005
3/8/2019	0.00035 (X)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	<0.013	
5/17/2015	<0.013	
5/25/2015	<0.013	
6/8/2015	<0.013	
6/18/2015	<0.013	
6/24/2015	<0.013	
6/30/2015	<0.013	
7/6/2015	<0.013	
8/12/2015	<0.0025	
5/4/2016	<0.005 (D)	
7/7/2016	0.0002 (JD)	
9/8/2016	<0.005 (D)	
10/26/2016	<0.005 (D)	
1/6/2017	<0.005 (D)	
3/15/2017	<0.005 (D)	
5/18/2017	<0.005 (D)	
7/19/2017	<0.005 (D)	
9/19/2017	<0.005 (D)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/8/2019		<0.005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

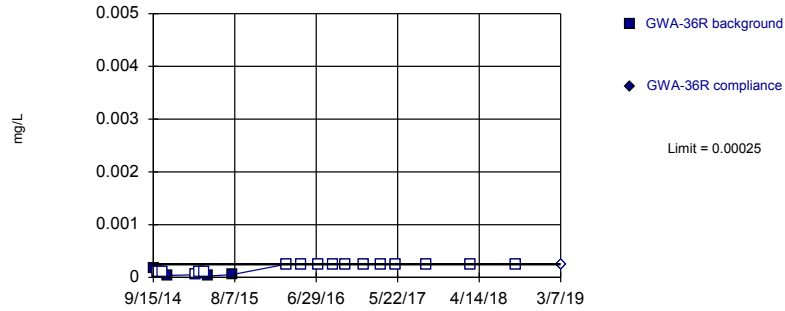
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	GWA-36	GWA-36
9/15/2014	<0.0002	
10/3/2014	<0.0002	
10/20/2014	<0.0002	
11/10/2014	5.8E-05 (J)	
3/2/2015	2.04E-05 (J)	
3/17/2015	<0.0002	
4/5/2015	<0.0002	
4/21/2015	<0.0002	
7/28/2015	2.13E-05 (J)	
3/1/2016	<0.0005	
5/2/2016	<0.0005	
7/7/2016	<0.0005	
9/7/2016	<0.0005	
10/25/2016	<0.0005	
1/5/2017	<0.0005	
3/15/2017	<0.0005	
5/17/2017	<0.0005	
9/15/2017	<0.0005	
3/12/2018	<0.0005	
9/6/2018	<0.0005	
3/6/2019		<0.0005



Within Limit

Prediction Limit  
Intrawell Non-parametric

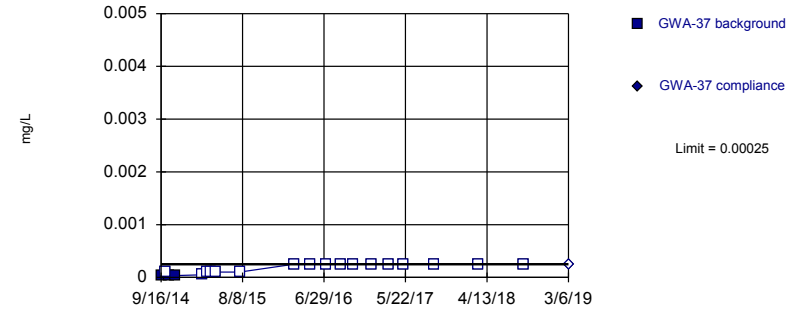


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

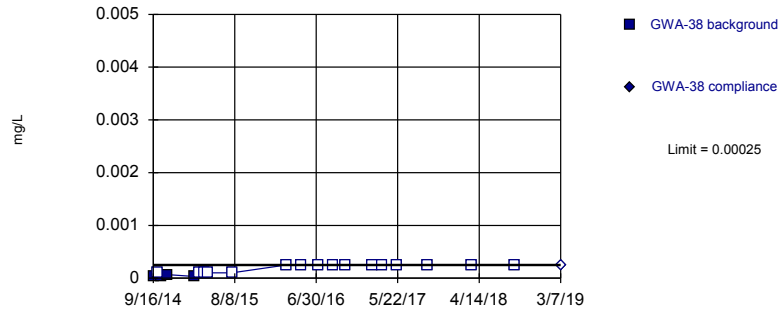


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

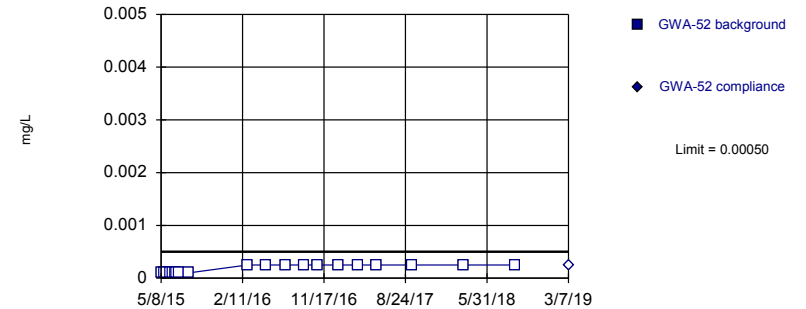


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
9/15/2014	0.000172 (J)	
10/3/2014	<0.0002	
10/20/2014	<0.0002	
11/10/2014	3.84E-05 (J)	
3/2/2015	<0.0001	
3/17/2015	<0.0002	
4/5/2015	<0.0002	
4/21/2015	2.39E-05 (J)	
7/28/2015	5.2E-05 (J)	
3/1/2016	<0.0005	
5/2/2016	<0.0005	
7/6/2016	<0.0005	
9/7/2016	<0.0005	
10/25/2016	<0.0005	
1/5/2017	<0.0005	
3/14/2017	<0.0005	
5/16/2017	<0.0005	
9/15/2017	<0.0005	
3/12/2018	<0.0005	
9/6/2018	<0.0005	
3/7/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37	GWA-37
9/16/2014	4.23E-05 (J)	
10/3/2014	<0.0002	
10/20/2014	3.87E-05 (J)	
11/10/2014	3.34E-05 (J)	
3/2/2015	<0.0001	
3/17/2015	<0.0002	
4/5/2015	<0.0002	
4/22/2015	<0.0002	
7/28/2015	<0.0002	
3/1/2016	<0.0005	
5/3/2016	<0.0005	
7/8/2016	<0.0005	
9/7/2016	<0.0005	
10/25/2016	<0.0005	
1/6/2017	<0.0005	
3/14/2017	<0.0005	
5/16/2017	<0.0005	
9/15/2017	<0.0005	
3/12/2018	<0.0005	
9/6/2018	<0.0005	
3/6/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	2.75E-05 (J)	
10/3/2014	<0.0002	
10/20/2014	4.07E-05 (J)	
11/10/2014	6.86E-05 (J)	
3/2/2015	3.07E-05 (J)	
3/17/2015	<0.0002	
4/6/2015	<0.0002	
4/22/2015	<0.0002	
7/28/2015	<0.0002	
3/2/2016	<0.0005	
5/3/2016	<0.0005	
7/7/2016	<0.0005	
9/8/2016	<0.0005	
10/25/2016	<0.0005	
2/9/2017	<0.0005	
3/23/2017	<0.0005	
5/17/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/6/2018	<0.0005	
3/7/2019		<0.0005

# Prediction Limit

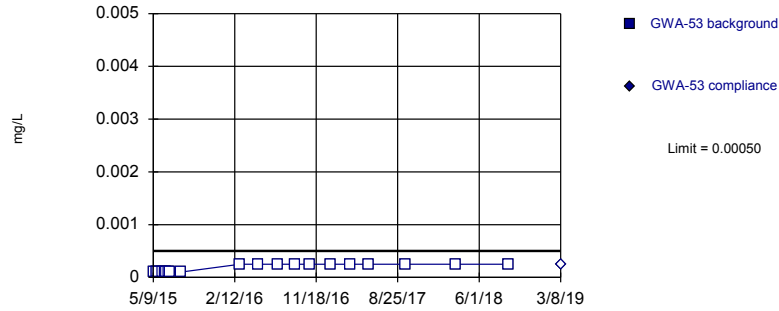
Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.0002	
5/17/2015	<0.0002	
5/25/2015	<0.0002	
6/8/2015	<0.0002	
6/18/2015	<0.0002	
6/24/2015	<0.0002	
6/30/2015	<0.0002	
7/6/2015	<0.0002	
8/12/2015	<0.0002	
2/29/2016	<0.0005	
5/4/2016	<0.0005	
7/8/2016	<0.0005	
9/8/2016	<0.0005	
10/26/2016	<0.0005	
1/6/2017	<0.0005	
3/15/2017	<0.0005	
5/17/2017	<0.0005	
9/15/2017	<0.0005	
3/13/2018	<0.0005	
9/6/2018	<0.0005	
3/7/2019		<0.0005

Within Limit

Prediction Limit  
Intrawell Non-parametric

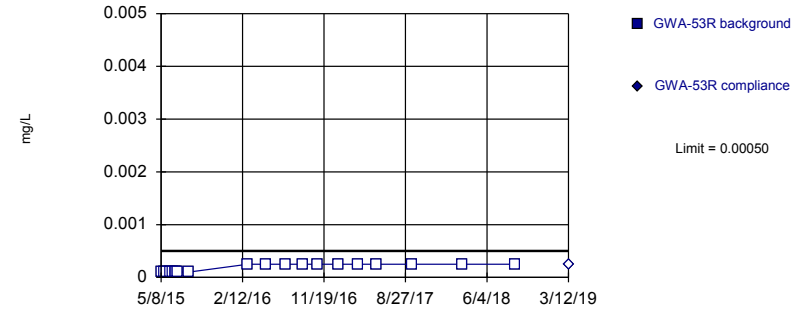


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

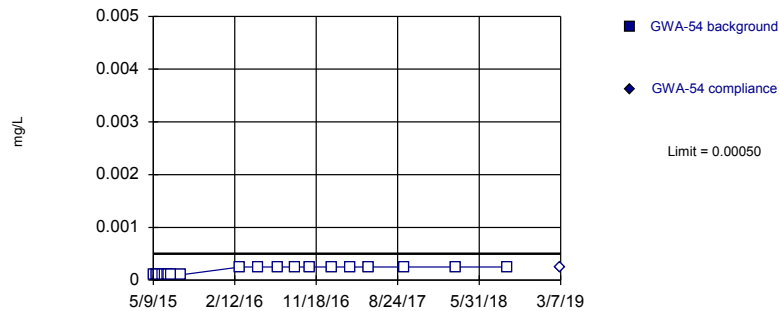


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:22 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

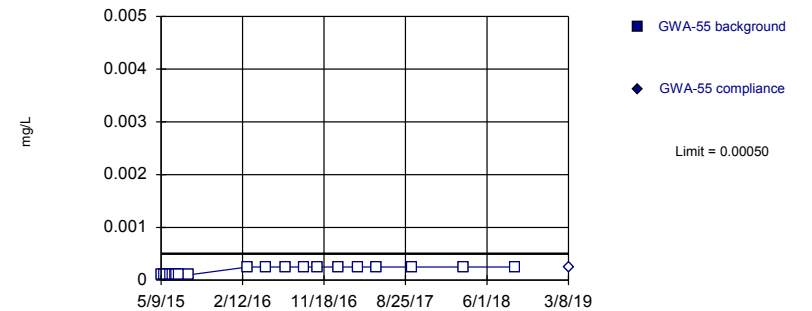


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/9/2015	<0.0002	
5/18/2015	<0.0002	
5/25/2015	<0.0002	
6/8/2015	<0.0002	
6/17/2015	<0.0002	
6/24/2015	<0.0002	
6/30/2015	<0.0002	
7/6/2015	<0.0002	
8/12/2015	<0.0002	
3/2/2016	<0.0005	
5/3/2016	<0.0005	
7/8/2016	<0.0005	
9/8/2016	<0.0005	
10/26/2016	<0.0005	
1/9/2017	<0.0005	
3/16/2017	<0.0005	
5/19/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/11/2018	<0.0005	
3/8/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	<0.0002	
5/17/2015	<0.0002	
5/25/2015	<0.0002	
6/8/2015	<0.0002	
6/18/2015	<0.0002	
6/24/2015	<0.0002	
6/30/2015	<0.0002	
7/6/2015	<0.0002	
8/12/2015	<0.0002	
3/2/2016	<0.0005	
5/3/2016	<0.0005	
7/11/2016	<0.0005	
9/7/2016	<0.0005	
10/27/2016	<0.0005	
1/6/2017	<0.0005	
3/16/2017	<0.0005	
5/19/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/11/2018	<0.0005	
3/12/2019		<0.0005



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	<0.0002	
5/18/2015	<0.0002	
5/25/2015	<0.0002	
6/9/2015	<0.0002	
6/17/2015	<0.0002	
6/25/2015	<0.0002	
7/1/2015	<0.0002	
7/7/2015	<0.0002	
8/12/2015	<0.0002	
3/2/2016	<0.0005	
5/4/2016	<0.0005	
7/8/2016	<0.0005	
9/8/2016	<0.0005	
10/26/2016	<0.0005	
1/9/2017	<0.0005	
3/15/2017	<0.0005	
5/18/2017	<0.0005	
9/15/2017	<0.0005	
3/13/2018	<0.0005	
9/6/2018	<0.0005	
3/7/2019		<0.0005

# Prediction Limit

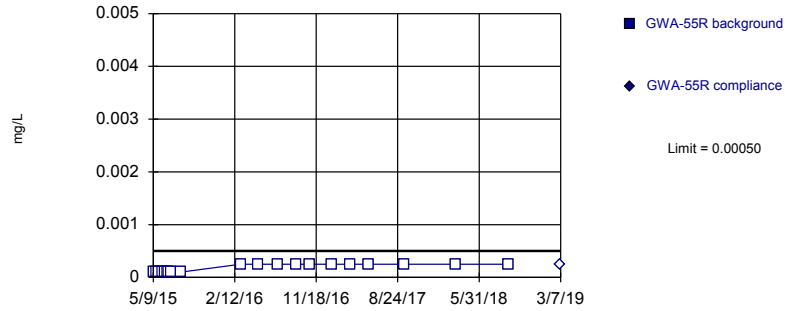
Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/9/2015	<0.0002	
5/18/2015	<0.0002	
5/26/2015	<0.0002	
6/9/2015	<0.0002	
6/17/2015	<0.0002	
6/25/2015	<0.0002	
7/1/2015	<0.0002	
7/7/2015	<0.0002	
8/13/2015	<0.0002	
3/2/2016	<0.0005	
5/3/2016	<0.0005	
7/11/2016	<0.0005	
9/9/2016	<0.0005	
10/26/2016	<0.0005	
1/9/2017	<0.0005	
3/16/2017	<0.0005	
5/18/2017	<0.0005	
9/15/2017	<0.0005	
3/12/2018	<0.0005	
9/7/2018	<0.0005	
3/8/2019		<0.0005

Within Limit

Prediction Limit  
Intrawell Non-parametric

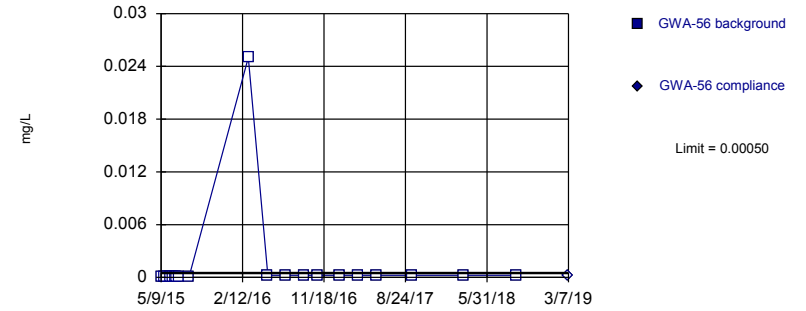


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

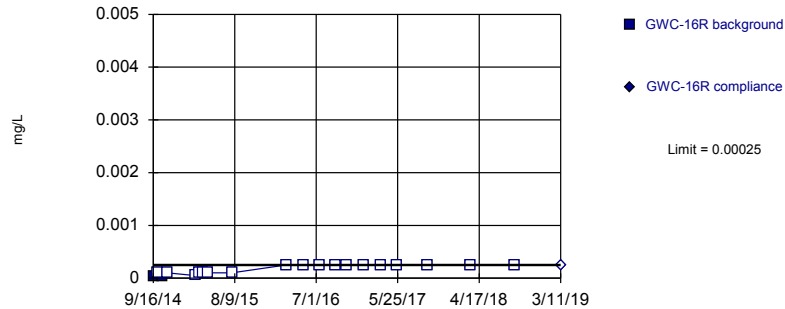


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

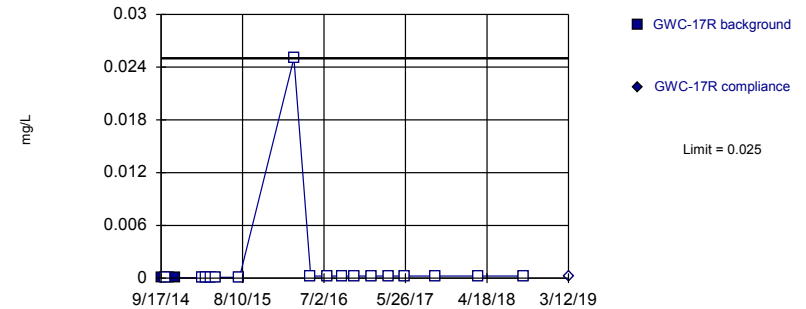


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/9/2015	<0.0002	
5/18/2015	<0.0002	
5/26/2015	<0.0002	
6/9/2015	<0.0002	
6/17/2015	<0.0002	
6/25/2015	<0.0002	
7/1/2015	<0.0002	
7/7/2015	<0.0002	
8/13/2015	<0.0002	
3/3/2016	<0.0005	
5/3/2016	<0.0005	
7/11/2016	<0.0005	
9/9/2016	<0.0005	
10/27/2016	<0.0005	
1/9/2017	<0.0005	
3/16/2017	<0.0005	
5/18/2017	<0.0005	
9/18/2017	<0.0005	
3/12/2018	<0.0005	
9/7/2018	<0.0005	
3/7/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/9/2015	<0.0002	
5/19/2015	<0.0002	
5/26/2015	<0.0002	
6/9/2015	<0.0002	
6/17/2015	<0.0002	
6/25/2015	<0.0002	
7/1/2015	<0.0002	
7/7/2015	<0.0002	
8/13/2015	<0.0002	
3/3/2016	<0.05	
5/9/2016	<0.0005	
7/11/2016	<0.0005	
9/9/2016	<0.0005	
10/26/2016	<0.0005	
1/9/2017	<0.0005	
3/15/2017	<0.0005	
5/18/2017	<0.0005	
9/15/2017	<0.0005	
3/13/2018	<0.0005	
9/7/2018	<0.0005	
3/7/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	2.69E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	3.18E-05 (J)	
11/11/2014	<0.0002	
3/3/2015	<0.0001	
3/18/2015	<0.0002	
4/6/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	<0.0002	
3/3/2016	<0.0005 (D)	
5/10/2016	<0.0005	
7/13/2016	<0.0005	
9/15/2016	<0.0005	
11/2/2016	<0.0005	
1/11/2017	<0.0005	
3/20/2017	<0.0005	
5/23/2017	<0.0005	
9/21/2017	<0.0005	
3/14/2018	<0.0005	
9/7/2018	<0.0005	
3/11/2019		<0.0005

# Prediction Limit

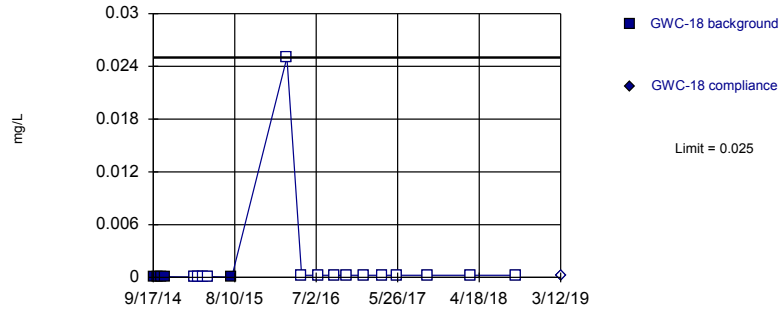
Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	2.97E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	5.02E-05 (J)	
11/11/2014	3.66E-05 (J)	
3/3/2015	<0.0001	
3/18/2015	<0.0002	
4/6/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	<0.0002	
3/4/2016	<0.05	
5/10/2016	<0.0005	
7/14/2016	<0.0005	
9/14/2016	<0.0005	
11/1/2016	<0.0005	
1/11/2017	<0.0005	
3/21/2017	<0.0005	
5/23/2017	<0.0005	
9/22/2017	<0.0005	
3/14/2018	<0.0005	
9/11/2018	<0.0005	
3/12/2019		<0.0005

Within Limit

Prediction Limit  
Intrawell Non-parametric

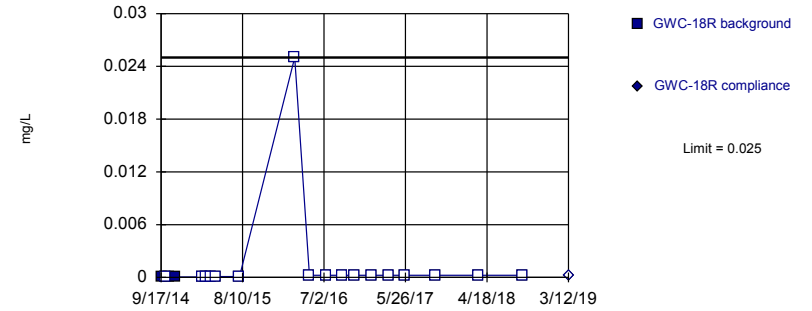


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

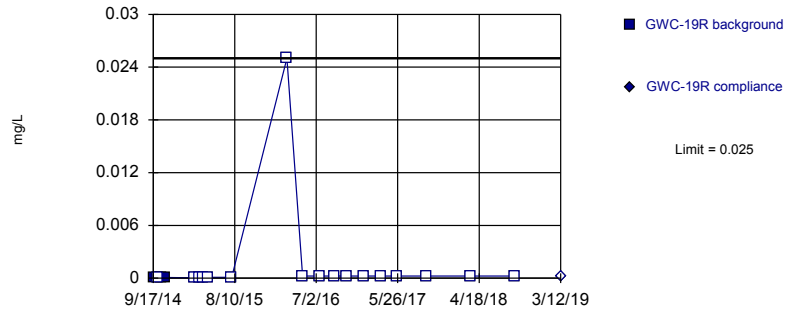


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

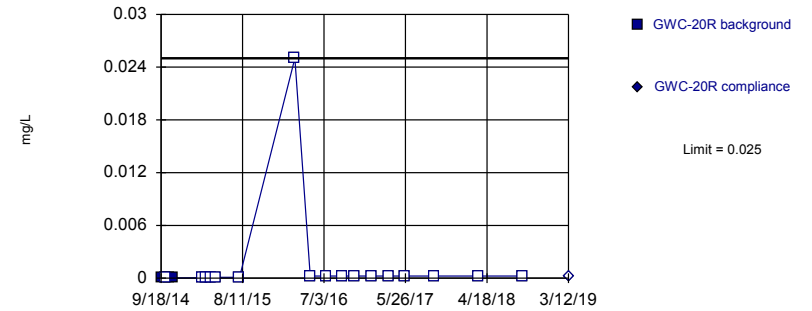


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	4.24E-05 (J)	
10/4/2014	2.5E-05 (J)	
10/21/2014	6.4E-05 (J)	
11/5/2014	7.02E-05 (J)	
3/3/2015	<0.0001	
3/18/2015	<0.0002	
4/7/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	3.14E-05 (J)	
3/7/2016	<0.05	
5/5/2016	<0.0005	
7/13/2016	<0.0005	
9/13/2016	<0.0005	
10/31/2016	<0.0005	
1/12/2017	<0.0005	
3/23/2017	<0.0005	
5/23/2017	<0.0005	
9/25/2017	<0.0005	
3/14/2018	<0.0005	
9/11/2018	<0.0005	
3/12/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	3.5E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	5.35E-05 (J)	
11/11/2014	4.64E-05 (J)	
3/3/2015	<0.0001	
3/18/2015	<0.0002	
4/7/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	<0.0002	
3/7/2016	<0.05	
5/5/2016	<0.0005	
7/13/2016	<0.0005	
9/12/2016	<0.0005	
11/1/2016	<0.0005	
1/11/2017	<0.0005	
3/20/2017	<0.0005	
5/22/2017	<0.0005	
9/21/2017	<0.0005	
3/14/2018	<0.0005	
9/7/2018	<0.0005	
3/12/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	4.15E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	5.89E-05 (J)	
11/5/2014	7.28E-05 (J)	
3/3/2015	<0.0001	
3/19/2015	<0.0002	
4/7/2015	<0.0002	
4/24/2015	<0.0002	
7/29/2015	<0.0002	
3/7/2016	<0.05	
5/9/2016	<0.0005	
7/14/2016	<0.0005	
9/12/2016	<0.0005	
10/31/2016	<0.0005	
1/11/2017	<0.0005	
3/21/2017	<0.0005	
5/22/2017	<0.0005	
9/20/2017	<0.0005	
3/14/2018	<0.0005	
9/10/2018	<0.0005	
3/12/2019		<0.0005

# Prediction Limit

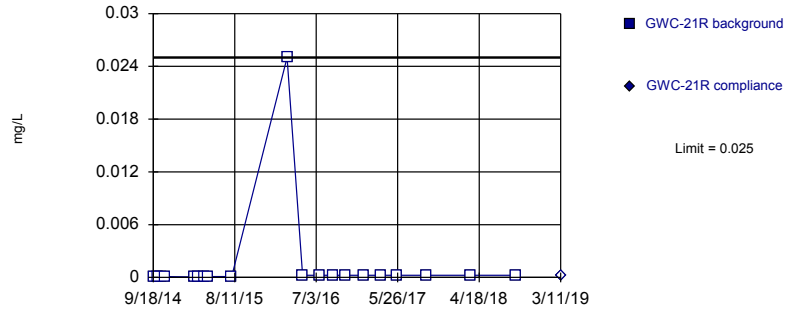
Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	5.34E-05 (J)	
10/5/2014	<0.0002	
10/22/2014	4.88E-05 (J)	
11/5/2014	2.85E-05 (J)	
3/4/2015	<0.0001	
3/19/2015	<0.0002	
4/7/2015	<0.0002	
4/24/2015	<0.0002	
7/30/2015	<0.0002	
3/8/2016	<0.05	
5/9/2016	<0.0005	
7/14/2016	<0.0005	
9/12/2016	<0.0005	
10/31/2016	<0.0005	
1/12/2017	<0.0005	
3/22/2017	<0.0005	
5/22/2017	<0.0005	
9/19/2017	<0.0005	
3/14/2018	<0.0005	
9/10/2018	<0.0005	
3/12/2019		<0.0005

Within Limit

Prediction Limit  
Intrawell Non-parametric

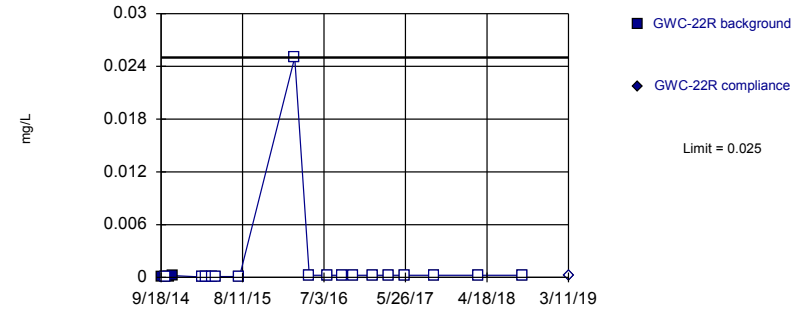


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

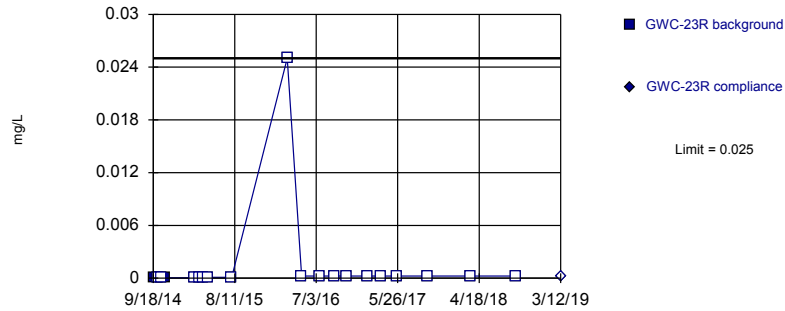


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

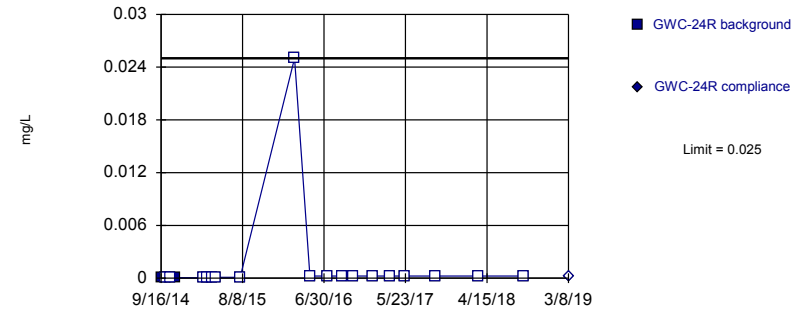


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:23 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
9/18/2014	<0.0002	
10/5/2014	<0.0002	
10/22/2014	2.57E-05 (J)	
11/5/2014	<0.0002	
3/4/2015	<0.0001	
3/19/2015	<0.0002	
4/8/2015	<0.0002	
4/24/2015	<0.0002	
7/30/2015	<0.0002	
3/8/2016	<0.05	
5/9/2016	<0.0005	
7/15/2016	<0.0005	
9/9/2016	<0.0005	
10/27/2016	<0.0005	
1/12/2017	<0.0005	
3/21/2017	<0.0005	
5/23/2017	<0.0005	
9/19/2017	<0.0005	
3/14/2018	<0.0005	
9/10/2018	<0.0005	
3/11/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
9/18/2014	2.54E-05 (J)	
10/5/2014	<0.0002	
10/22/2014	2.83E-05 (J)	
11/5/2014	0.0002	
3/4/2015	<0.0001	
3/19/2015	<0.0002	
4/8/2015	<0.0002	
4/24/2015	<0.0002	
7/30/2015	<0.0002	
3/7/2016	<0.05	
5/5/2016	<0.0005	
7/14/2016	<0.0005	
9/12/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	<0.0005	
3/20/2017	<0.0005	
5/23/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/7/2018	<0.0005	
3/11/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	2.82E-05 (J)	
10/5/2014	<0.0002	
10/22/2014	<0.0002	
11/5/2014	4.83E-05 (J)	
3/4/2015	<0.0001	
3/20/2015	<0.0002	
4/8/2015	<0.0002	
4/23/2015	<0.0002	
7/30/2015	<0.0002	
3/9/2016	<0.05	
5/6/2016	<0.0005	
7/15/2016	<0.0005	
9/14/2016	<0.0005	
11/1/2016	<0.0005	
1/25/2017	<0.0005	
3/22/2017	<0.0005	
5/24/2017	<0.0005	
9/21/2017	<0.0005	
3/14/2018	<0.0005	
9/11/2018	<0.0005	
3/12/2019		<0.0005



# Prediction Limit

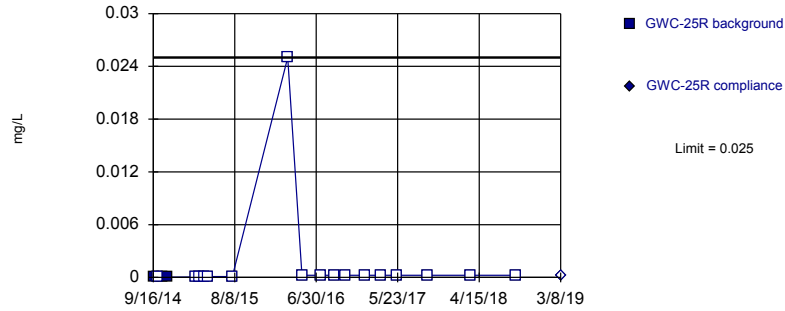
Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	2.81E-05 (J)	
10/4/2014	<0.0002	
10/23/2014	<0.0002	
11/10/2014	5.15E-05 (J)	
3/4/2015	<0.0001	
3/20/2015	<0.0002	
4/8/2015	<0.0002	
4/23/2015	<0.0002	
7/30/2015	<0.0002	
3/4/2016	<0.05	
5/5/2016	<0.0005	
7/12/2016	<0.0005	
9/13/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	<0.0005	
3/20/2017	<0.0005	
5/19/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/11/2018	<0.0005	
3/8/2019		<0.0005

Within Limit

Prediction Limit  
Intrawell Non-parametric

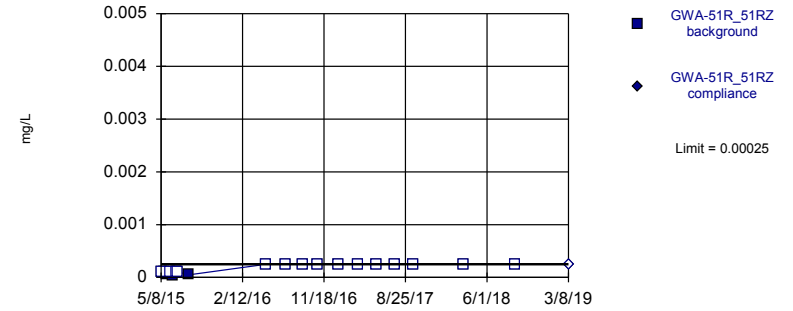


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

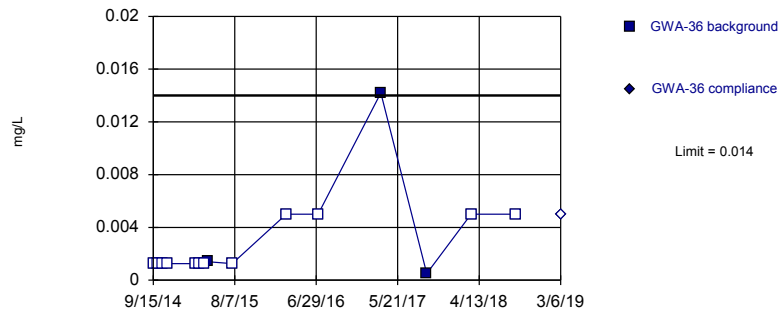


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

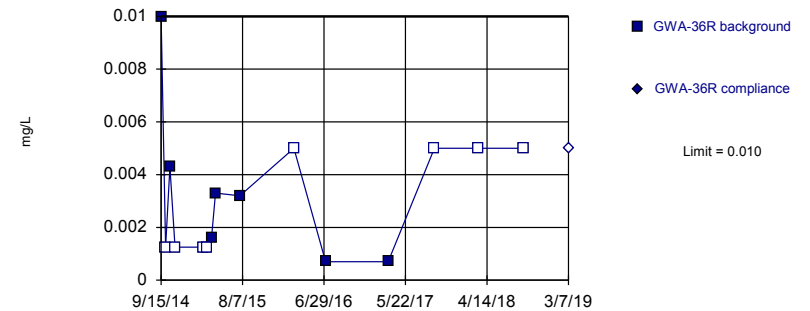


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	3.13E-05 (J)	
10/4/2014	<0.0002	
10/23/2014	4.6E-05 (J)	
11/10/2014	2.5E-05 (J)	
3/4/2015	<0.0001	
3/20/2015	<0.0002	
4/9/2015	<0.0002	
4/23/2015	<0.0002	
7/30/2015	<0.0002	
3/8/2016	<0.05	
5/4/2016	<0.0005	
7/18/2016	<0.0005	
9/13/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	<0.0005	
3/16/2017	<0.0005	
5/19/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/11/2018	<0.0005	
3/8/2019		<0.0005

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	<0.0002	
5/17/2015	0.000101 (J)	
5/25/2015	4.88E-05 (J)	
6/8/2015	<0.0002	
6/18/2015	4.1E-05 (J)	
6/24/2015	8.41E-05 (J)	
6/30/2015	<0.0002	
7/6/2015	<0.0002	
8/12/2015	4.91E-05 (J)	
5/4/2016	<0.0005 (D)	
7/7/2016	<0.0005 (D)	
9/8/2016	<0.0005 (D)	
10/26/2016	<0.0005 (D)	
1/6/2017	<0.0005 (D)	
3/15/2017	<0.0005 (D)	
5/18/2017	<0.0005 (D)	
7/19/2017	<0.0005 (D)	
9/19/2017	<0.0005 (D)	
3/13/2018	<0.0005	
9/7/2018	<0.0005	
3/8/2019		<0.0005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	<0.0025	
10/3/2014	<0.0025	
10/20/2014	<0.0025	
11/10/2014	<0.0025	
3/2/2015	<0.0025	
3/17/2015	<0.0025	
4/5/2015	<0.0025	
4/21/2015	0.0014 (J)	
7/28/2015	<0.0025	
3/1/2016	<0.01	
7/7/2016	<0.01	
3/15/2017	0.0142	
9/15/2017	0.0005 (J)	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01

# Prediction Limit

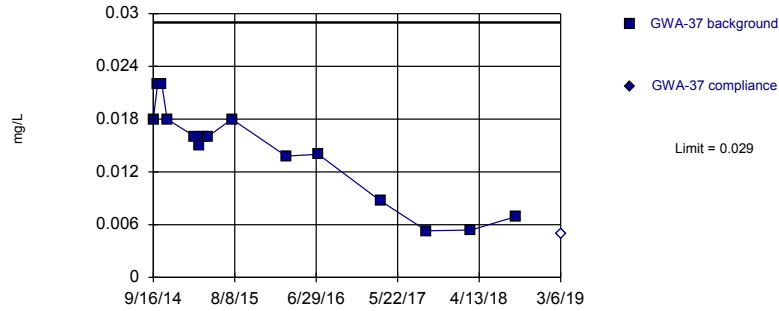
Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
9/15/2014	0.01	
10/3/2014	<0.0025	
10/20/2014	0.0043	
11/10/2014	<0.0025	
3/2/2015	<0.0025	
3/17/2015	<0.0025	
4/5/2015	0.0016 (J)	
4/21/2015	0.0033	
7/28/2015	0.0032	
3/1/2016	<0.01	
7/6/2016	0.0007 (J)	
3/14/2017	0.0007 (J)	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Parametric

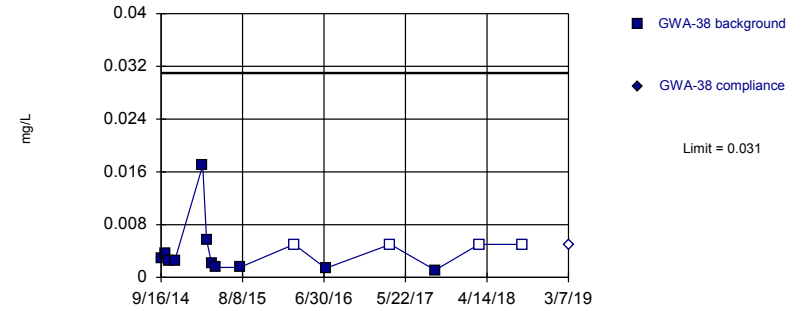


Background Data Summary: Mean=0.01434, Std. Dev.=0.005448, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9052, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

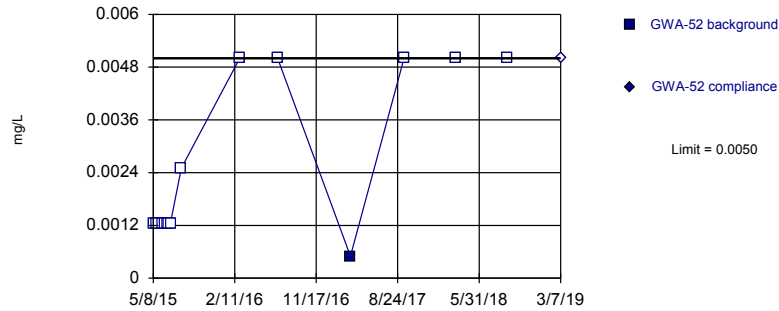


Background Data Summary (based on cube root transformation) (after Aitchison's Adjustment): Mean=0.1052, Std. Dev.=0.07519, n=15, 26.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8699, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

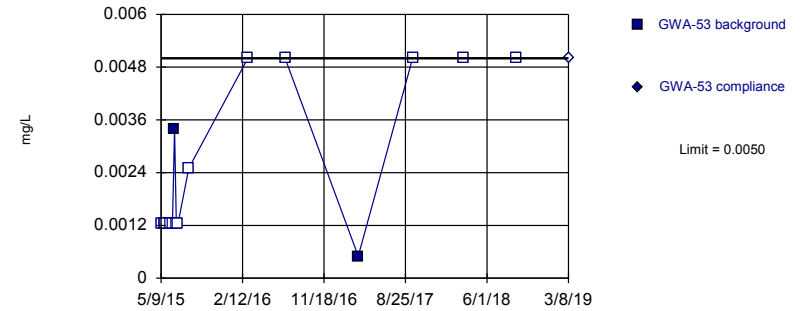


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37	GWA-37
9/16/2014	0.018	
10/3/2014	0.022	
10/20/2014	0.022	
11/10/2014	0.018	
3/2/2015	0.016	
3/17/2015	0.015	
4/5/2015	0.016	
4/22/2015	0.016	
7/28/2015	0.018	
3/1/2016	0.0138	
7/8/2016	0.014	
3/14/2017	0.0087 (J)	
9/15/2017	0.0053 (J)	
3/12/2018	0.0054 (J)	
9/6/2018	0.0069 (J)	
3/6/2019		<0.01



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	0.0028	
10/3/2014	0.0036	
10/20/2014	0.0025	
11/10/2014	0.0026	
3/2/2015	0.017	
3/17/2015	0.0057	
4/6/2015	0.0022 (J)	
4/22/2015	0.0015 (J)	
7/28/2015	0.0015 (J)	
3/2/2016	<0.01	
7/7/2016	0.0014 (J)	
3/23/2017	<0.01 (*)	
9/19/2017	0.0011 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.0025	
5/17/2015	<0.0025	
5/25/2015	<0.0025	
6/8/2015	<0.0025	
6/18/2015	<0.0025	
6/24/2015	<0.0025	
6/30/2015	<0.0025	
7/6/2015	<0.0025	
8/12/2015	<0.005	
2/29/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	0.0005 (J)	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

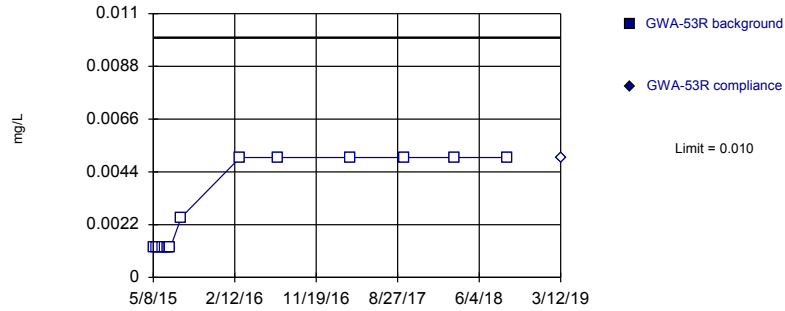
Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/9/2015	<0.0025	
5/18/2015	<0.0025	
5/25/2015	<0.0025	
6/8/2015	<0.0025	
6/17/2015	<0.0025	
6/24/2015	0.0034	
6/30/2015	<0.0025	
7/6/2015	<0.0025	
8/12/2015	<0.005	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/16/2017	0.0005 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

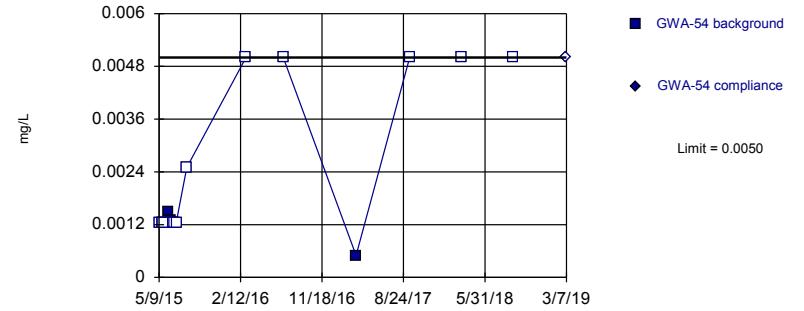


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

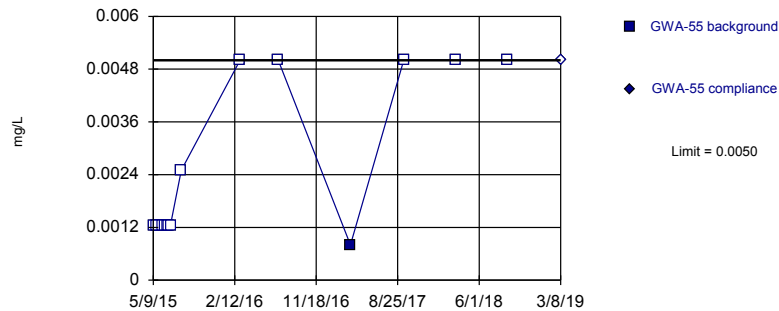


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

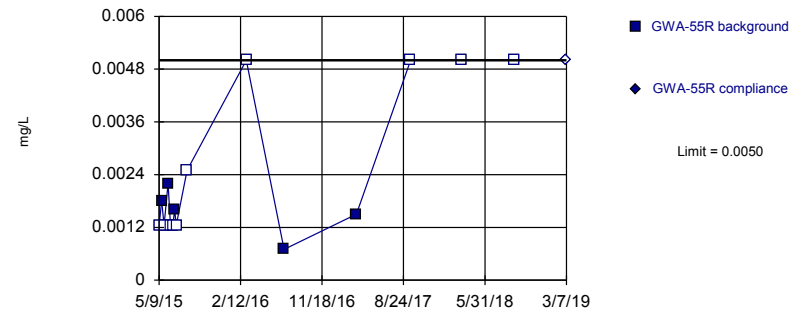


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	<0.0025	
5/17/2015	<0.0025	
5/25/2015	<0.0025	
6/8/2015	<0.0025	
6/18/2015	<0.0025	
6/24/2015	<0.0025	
6/30/2015	<0.0025	
7/6/2015	<0.0025	
8/12/2015	<0.005	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	<0.0025	
5/18/2015	<0.0025	
5/25/2015	<0.0025	
6/9/2015	0.0015 (J)	
6/17/2015	0.0013 (J)	
6/25/2015	<0.0025	
7/1/2015	<0.0025	
7/7/2015	<0.0025	
8/12/2015	<0.005	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	0.0005 (J)	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/9/2015	<0.0025	
5/18/2015	<0.0025	
5/26/2015	<0.0025	
6/9/2015	<0.0025	
6/17/2015	<0.0025	
6/25/2015	<0.0025	
7/1/2015	<0.0025	
7/7/2015	<0.0025	
8/13/2015	<0.005	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	0.0008 (J)	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

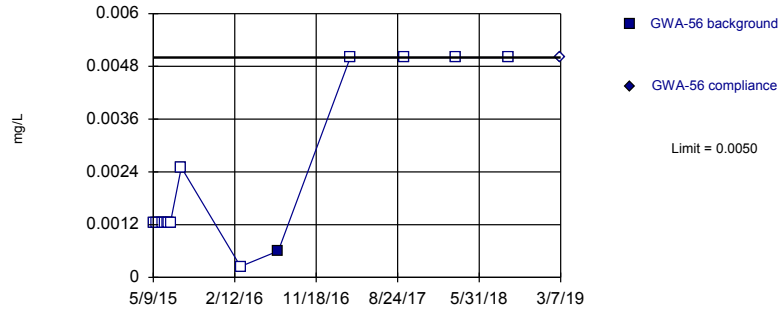
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	GWA-55R	GWA-55R
5/9/2015	<0.0025	
5/18/2015	0.0018 (J)	
5/26/2015	<0.0025	
6/9/2015	0.0022 (J)	
6/17/2015	<0.0025	
6/25/2015	<0.0025	
7/1/2015	0.0016 (J)	
7/7/2015	<0.0025	
8/13/2015	<0.005	
3/3/2016	<0.01	
7/11/2016	0.0007 (J)	
3/16/2017	0.0015 (J)	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01



Within Limit

Prediction Limit  
Intrawell Non-parametric

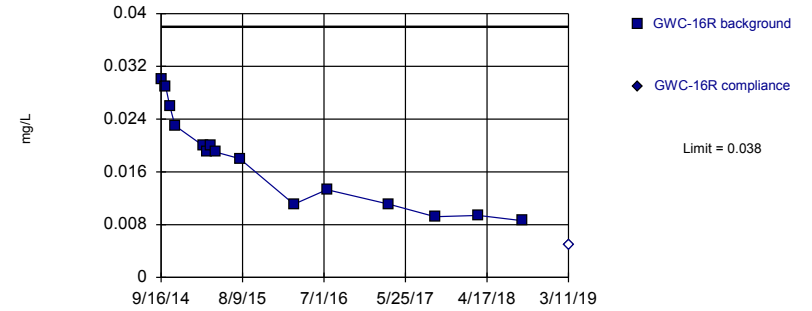


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

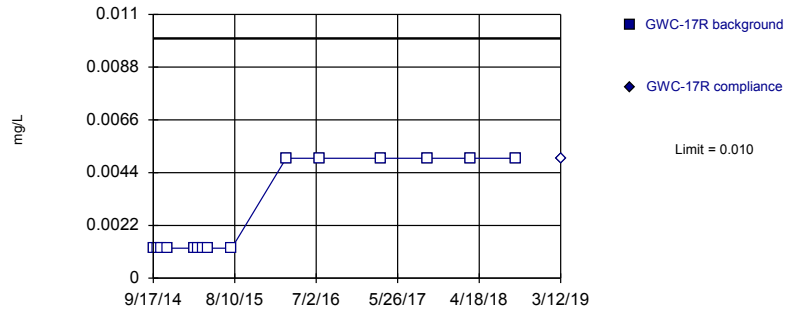


Background Data Summary: Mean=0.01778, Std. Dev.=0.007173, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9227, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

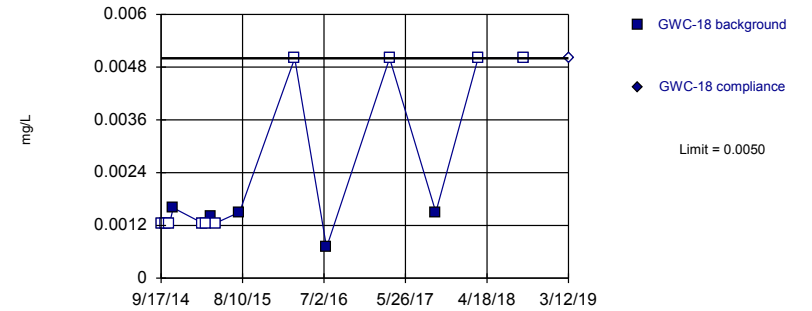


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/9/2015	<0.0025	
5/19/2015	<0.0025	
5/26/2015	<0.0025	
6/9/2015	<0.0025	
6/17/2015	<0.0025	
6/25/2015	<0.0025	
7/1/2015	<0.0025	
7/7/2015	<0.0025	
8/13/2015	<0.005	
3/3/2016	<0.0005	
7/11/2016	0.0006 (J)	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	0.03	
10/4/2014	0.029	
10/21/2014	0.026	
11/11/2014	0.023	
3/3/2015	0.02	
3/18/2015	0.019	
4/6/2015	0.02	
4/23/2015	0.019	
7/29/2015	0.018	
3/3/2016	0.0111 (D)	
7/13/2016	0.0133	
3/20/2017	0.0111	
9/21/2017	0.0092 (J)	
3/14/2018	0.0094 (J)	
9/7/2018	0.0086 (J)	
3/11/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	<0.0025	
10/4/2014	<0.0025	
10/21/2014	<0.0025	
11/11/2014	<0.0025	
3/3/2015	<0.0025	
3/18/2015	<0.0025	
4/6/2015	<0.0025	
4/23/2015	<0.0025	
7/29/2015	<0.0025	
3/4/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

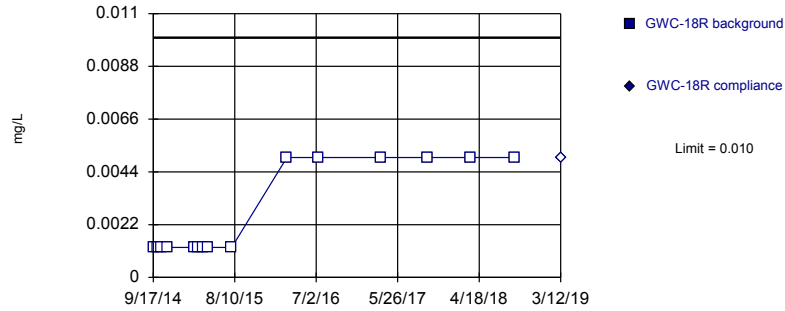
Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	<0.0025	
10/4/2014	<0.0025	
10/21/2014	<0.0025	
11/5/2014	0.0016 (J)	
3/3/2015	<0.0025	
3/18/2015	<0.0025	
4/7/2015	0.0014 (J)	
4/23/2015	<0.0025	
7/29/2015	0.0015 (J)	
3/7/2016	<0.01	
7/13/2016	0.0007 (J)	
3/23/2017	<0.01 (*)	
9/25/2017	0.0015 (J)	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

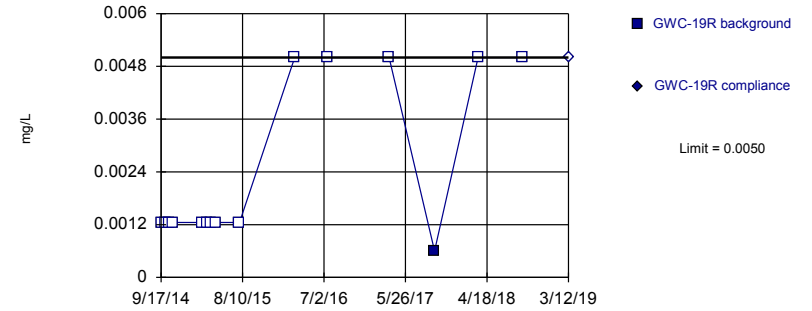


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

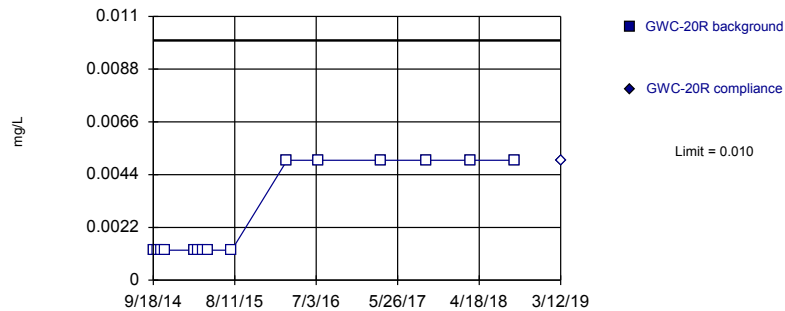


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:24 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

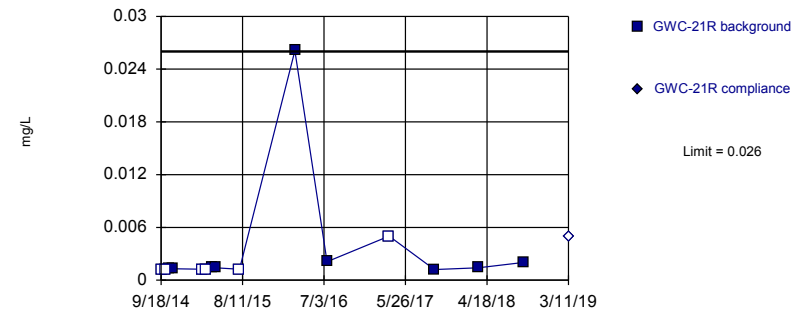


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	<0.0025	
10/4/2014	<0.0025	
10/21/2014	<0.0025	
11/11/2014	<0.0025	
3/3/2015	<0.0025	
3/18/2015	<0.0025	
4/7/2015	<0.0025	
4/23/2015	<0.0025	
7/29/2015	<0.0025	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/20/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	<0.0025	
10/4/2014	<0.0025	
10/21/2014	<0.0025	
11/5/2014	<0.0025	
3/3/2015	<0.0025	
3/19/2015	<0.0025	
4/7/2015	<0.0025	
4/24/2015	<0.0025	
7/29/2015	<0.0025	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01 (*)	
9/20/2017	0.0006 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	<0.0025	
10/5/2014	<0.0025	
10/22/2014	<0.0025	
11/5/2014	<0.0025	
3/4/2015	<0.0025	
3/19/2015	<0.0025	
4/7/2015	<0.0025	
4/24/2015	<0.0025	
7/30/2015	<0.0025	
3/8/2016	<0.01	
7/14/2016	<0.01	
3/22/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

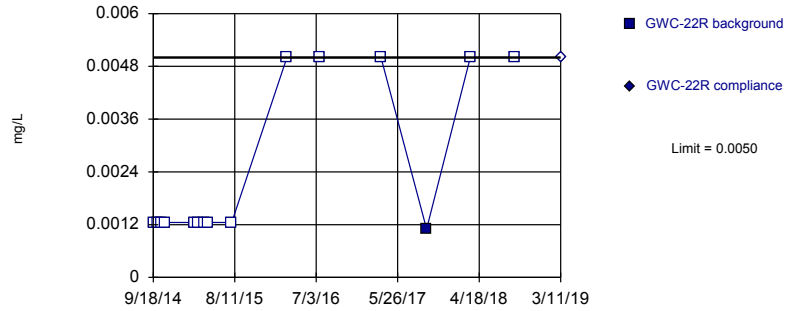
Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
9/18/2014	<0.0025	
10/5/2014	<0.0025	
10/22/2014	0.0013 (J)	
11/5/2014	0.0013 (J)	
3/4/2015	<0.0025	
3/19/2015	<0.0025	
4/8/2015	0.0014 (J)	
4/24/2015	0.0014 (J)	
7/30/2015	<0.0025	
3/8/2016	0.0261	
7/15/2016	0.0021 (J)	
3/21/2017	<0.01 (*)	
9/19/2017	0.0012 (J)	
3/14/2018	0.0014 (J)	
9/10/2018	0.002 (J)	
3/11/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

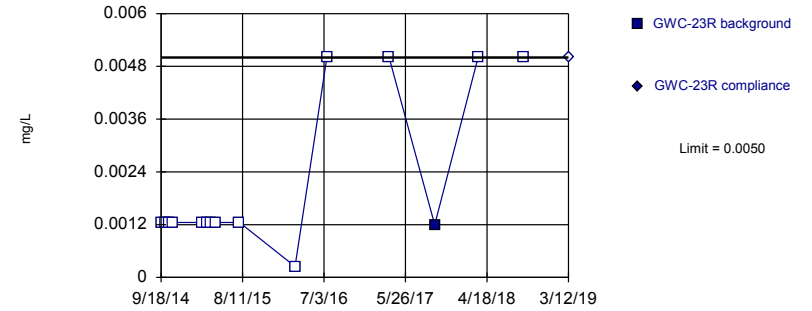


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

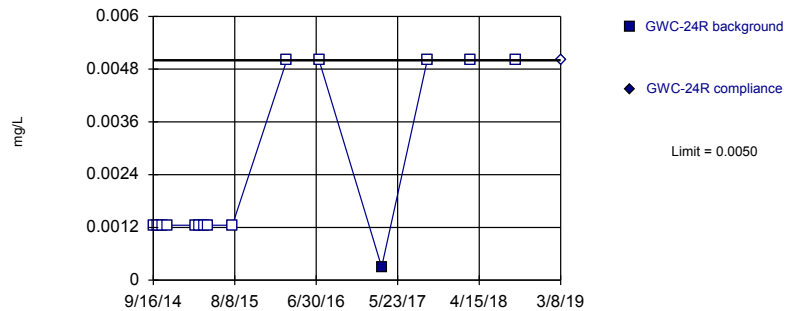


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

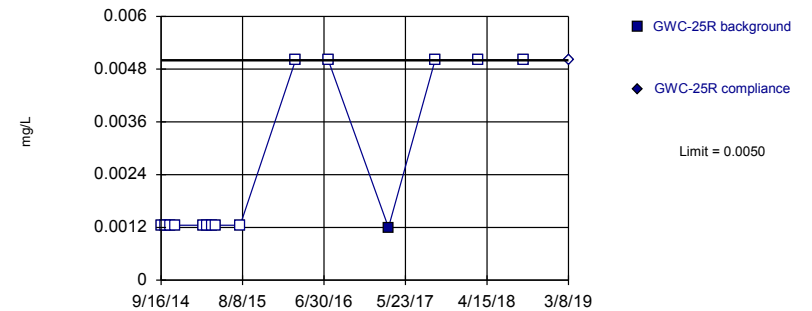


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
9/18/2014	<0.0025	
10/5/2014	<0.0025	
10/22/2014	<0.0025	
11/5/2014	<0.0025	
3/4/2015	<0.0025	
3/19/2015	<0.0025	
4/8/2015	<0.0025	
4/24/2015	<0.0025	
7/30/2015	<0.0025	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/20/2017	<0.01	
9/19/2017	0.0011 (J)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	<0.0025	
10/5/2014	<0.0025	
10/22/2014	<0.0025	
11/5/2014	<0.0025	
3/4/2015	<0.0025	
3/20/2015	<0.0025	
4/8/2015	<0.0025	
4/23/2015	<0.0025	
7/30/2015	<0.0025	
3/9/2016	<0.0005	
7/15/2016	<0.01	
3/22/2017	<0.01 (*)	
9/21/2017	0.0012 (J)	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	<0.0025	
10/4/2014	<0.0025	
10/23/2014	<0.0025	
11/10/2014	<0.0025	
3/4/2015	<0.0025	
3/20/2015	<0.0025	
4/8/2015	<0.0025	
4/23/2015	<0.0025	
7/30/2015	<0.0025	
3/4/2016	<0.01	
7/12/2016	<0.01	
3/20/2017	0.0003 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

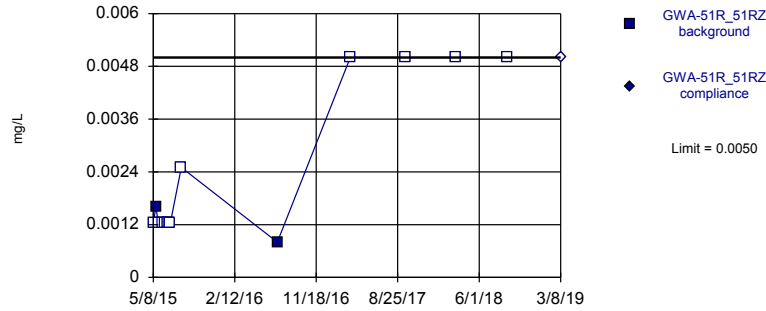
Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	<0.0025	
10/4/2014	<0.0025	
10/23/2014	<0.0025	
11/10/2014	<0.0025	
3/4/2015	<0.0025	
3/20/2015	<0.0025	
4/9/2015	<0.0025	
4/23/2015	<0.0025	
7/30/2015	<0.0025	
3/8/2016	<0.01	
7/18/2016	<0.01	
3/16/2017	0.0012 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

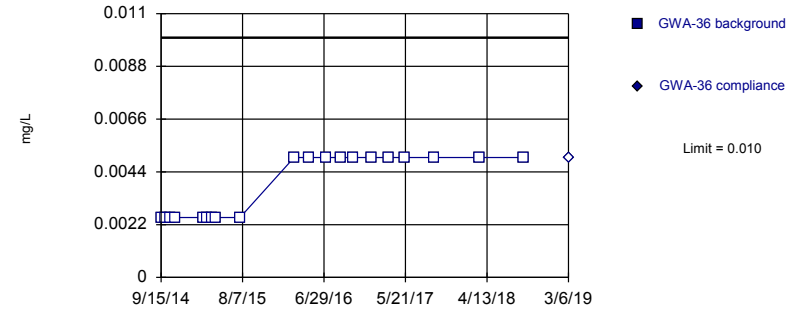


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

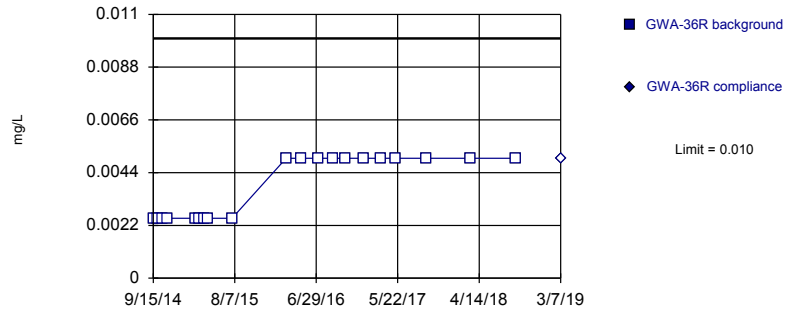


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

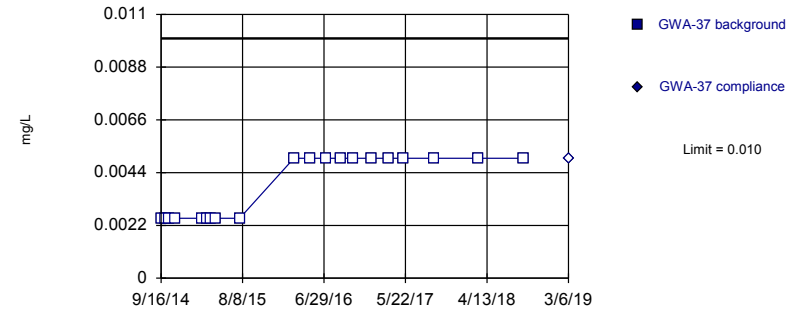


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	<0.0025	
5/17/2015	0.0016 (J)	
5/25/2015	<0.0025	
6/8/2015	<0.0025	
6/18/2015	<0.0025	
6/24/2015	<0.0025	
6/30/2015	<0.0025	
7/6/2015	<0.0025	
8/12/2015	<0.005	
7/7/2016	0.0008 (JD)	
3/15/2017	<0.01 (D)	
9/19/2017	<0.01 (D)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.01	
5/2/2016	<0.01	
7/7/2016	<0.01	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/5/2017	<0.01	
3/15/2017	<0.01	
5/17/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
9/15/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.01	
5/2/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/5/2017	<0.01	
3/14/2017	<0.01	
5/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

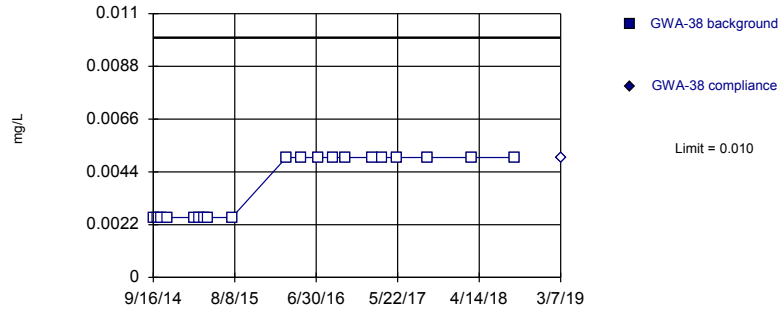
Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37	GWA-37
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.01	
5/3/2016	<0.01	
7/8/2016	<0.01	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/6/2017	<0.01	
3/14/2017	<0.01	
5/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

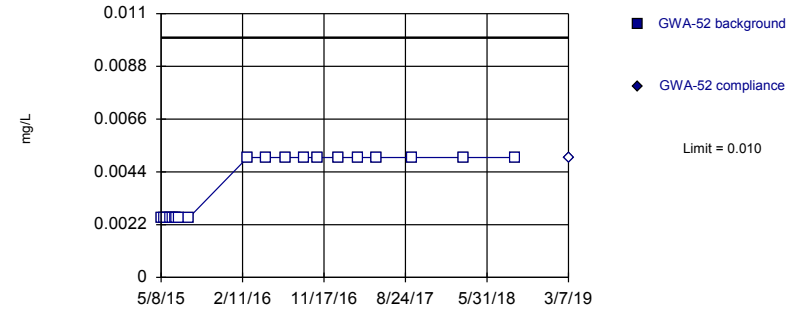


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

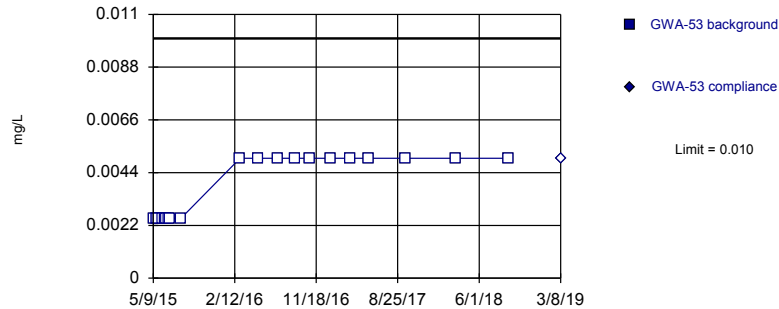


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

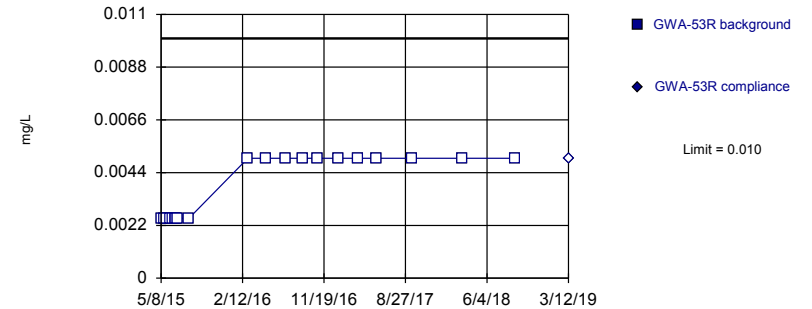


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:36 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/25/2016	<0.01	
2/9/2017	<0.01	
3/23/2017	<0.01	
5/17/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
2/29/2016	<0.01	
5/4/2016	<0.01	
7/8/2016	<0.01	
9/8/2016	<0.01	
10/26/2016	<0.01	
1/6/2017	<0.01	
3/15/2017	<0.01	
5/17/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/17/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/8/2016	<0.01	
9/8/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	<0.01	
5/19/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01



# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

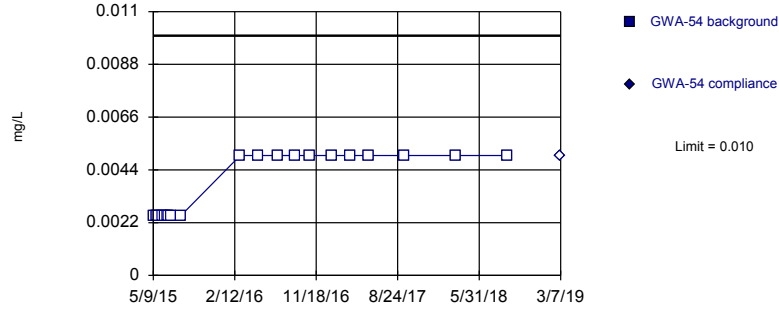
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	<0.01	
9/7/2016	<0.01	
10/27/2016	<0.01	
1/6/2017	<0.01	
3/16/2017	<0.01	
5/19/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

Within Limit

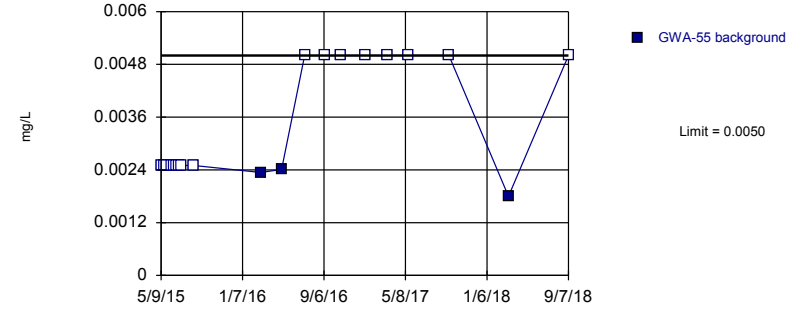
Prediction Limit  
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

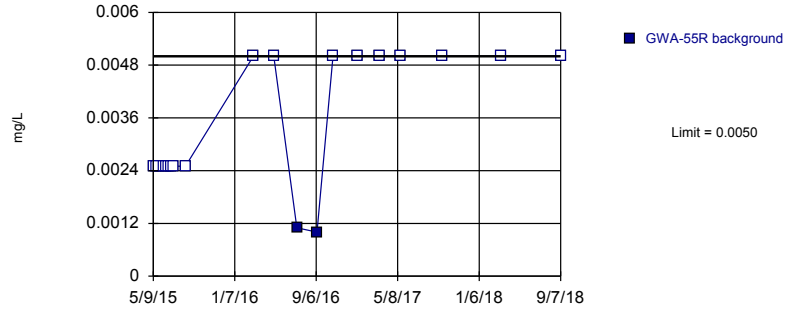
Prediction Limit  
 Intrawell Non-parametric, GWA-55 (bg)



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Selenium Analysis Run 8/26/2019 4:25 PM View: cell 3&4 OB&BR intrawell metals  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

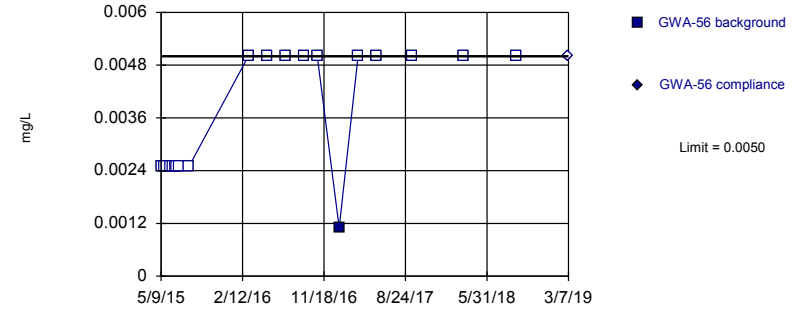
Prediction Limit  
 Intrawell Non-parametric, GWA-55R (bg)



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit  
 Prediction Limit  
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.01	
5/4/2016	<0.01	
7/8/2016	<0.01	
9/8/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/15/2017	<0.01	
5/18/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55
5/9/2015	<0.005
5/18/2015	<0.005
5/26/2015	<0.005
6/9/2015	<0.005
6/17/2015	<0.005
6/25/2015	<0.005
7/1/2015	<0.005
7/7/2015	<0.005
8/13/2015	<0.005
3/2/2016	0.00234 (J)
5/3/2016	0.00241 (J)
7/11/2016	<0.01
9/9/2016	<0.01
10/26/2016	<0.01
1/9/2017	<0.01
3/16/2017	<0.01
5/18/2017	<0.01
9/15/2017	<0.01
3/12/2018	0.0018 (J)
9/7/2018	<0.01
3/8/2019	0.0026 (X)

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R
5/9/2015	<0.005
5/18/2015	<0.005
5/26/2015	<0.005
6/9/2015	<0.005
6/17/2015	<0.005
6/25/2015	<0.005
7/1/2015	<0.005
7/7/2015	<0.005
8/13/2015	<0.005
3/3/2016	<0.01
5/3/2016	<0.01
7/11/2016	0.0011 (J)
9/9/2016	0.001 (J)
10/27/2016	<0.01
1/9/2017	<0.01
3/16/2017	<0.01
5/18/2017	<0.01
9/18/2017	<0.01
3/12/2018	<0.01
9/7/2018	<0.01
3/7/2019	0.0016 (X)

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

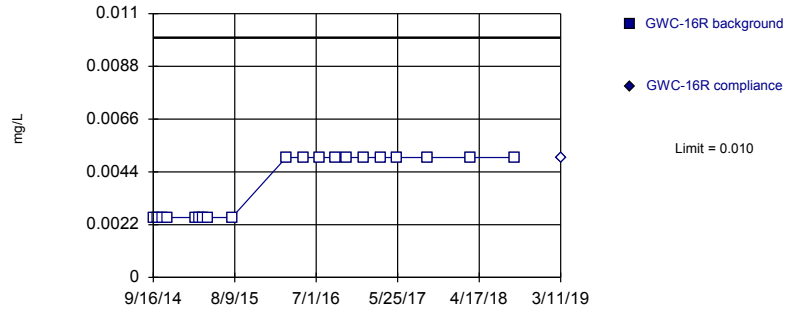
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/9/2015	<0.005	
5/19/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.01	
5/9/2016	<0.01	
7/11/2016	<0.01	
9/9/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	0.0011 (J)	
3/15/2017	<0.01	
5/18/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

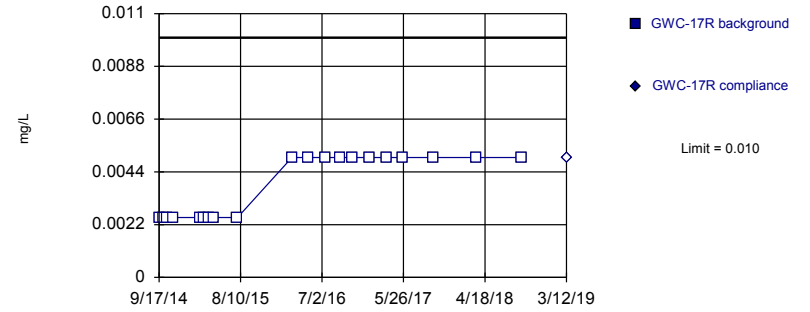


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

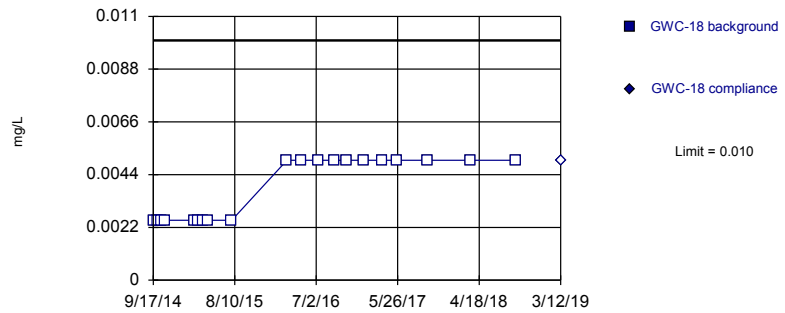


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

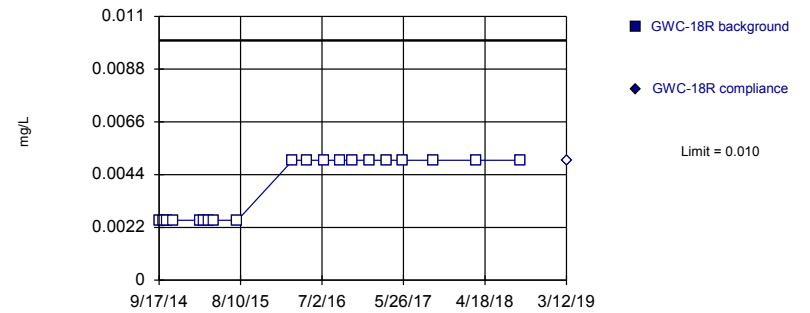


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	<0.01 (D)	
5/10/2016	<0.01	
7/13/2016	<0.01	
9/15/2016	<0.01	
11/2/2016	<0.01	
1/11/2017	<0.01	
3/20/2017	<0.01	
5/23/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01



# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.01	
5/10/2016	<0.01	
7/14/2016	<0.01	
9/14/2016	<0.01	
11/1/2016	<0.01	
1/11/2017	<0.01	
3/21/2017	<0.01	
5/23/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/13/2016	<0.01	
9/13/2016	<0.01	
10/31/2016	<0.01	
1/12/2017	<0.01	
3/23/2017	<0.01	
5/23/2017	<0.01	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

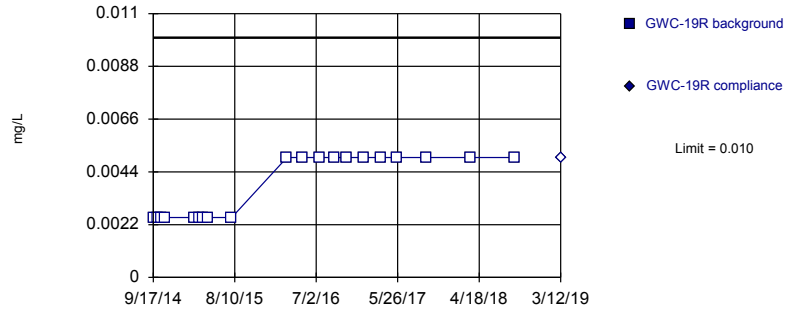
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/13/2016	<0.01	
9/12/2016	<0.01	
11/1/2016	<0.01	
1/11/2017	<0.01	
3/20/2017	<0.01	
5/22/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

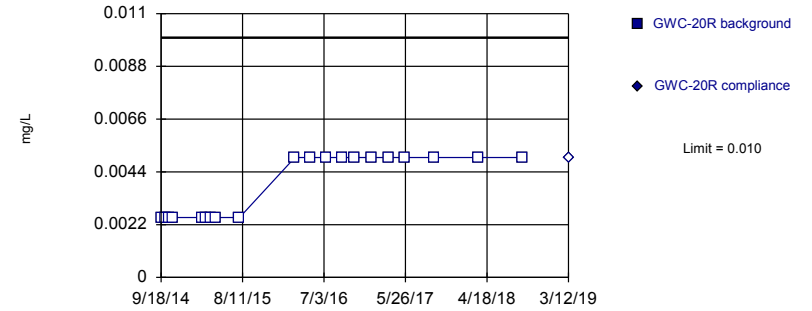


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

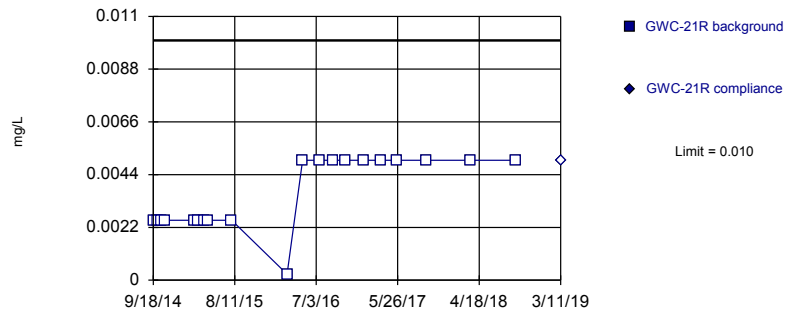


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

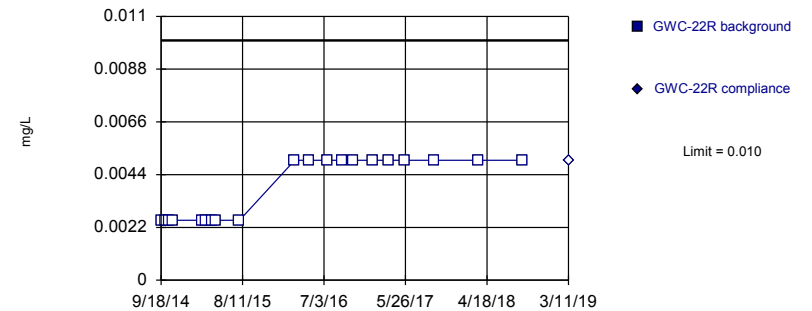


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.01	
5/9/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/31/2016	<0.01	
1/11/2017	<0.01	
3/21/2017	<0.01	
5/22/2017	<0.01	
9/20/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.01	
5/9/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/31/2016	<0.01	
1/12/2017	<0.01	
3/22/2017	<0.01	
5/22/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.0005	
5/9/2016	<0.01	
7/15/2016	<0.01	
9/9/2016	<0.01	
10/27/2016	<0.01	
1/12/2017	<0.01	
3/21/2017	<0.01	
5/23/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/11/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

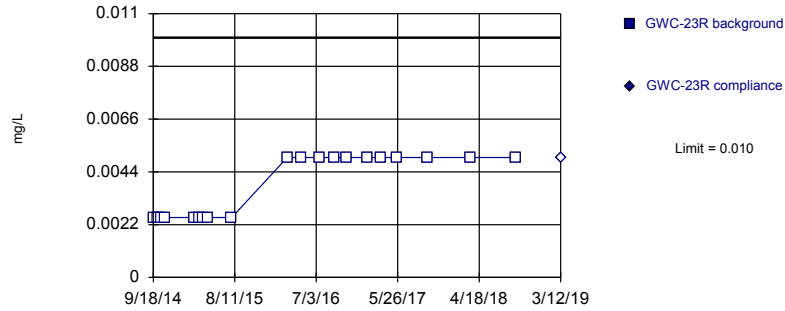
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	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	<0.01	
5/23/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01



Within Limit

Prediction Limit  
Intrawell Non-parametric

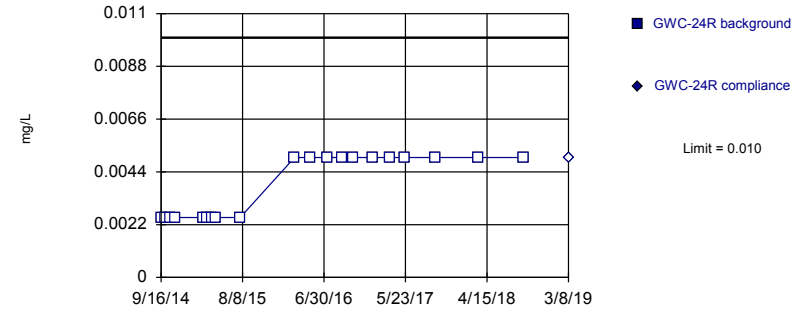


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

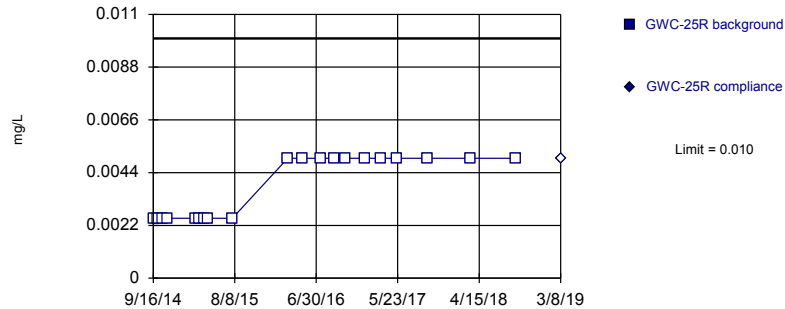


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

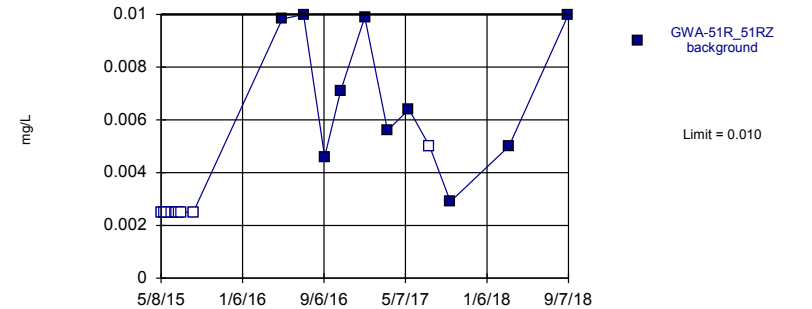


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWA-51R\_51RZ (bg)



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Selenium Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.01	
5/6/2016	<0.01	
7/15/2016	<0.01	
9/14/2016	<0.01	
11/1/2016	<0.01	
1/25/2017	<0.01	
3/22/2017	<0.01	
5/24/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	<0.01	
5/5/2016	<0.01	
7/12/2016	<0.01	
9/13/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	<0.01	
5/19/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.01	
5/4/2016	<0.01	
7/18/2016	<0.01	
9/13/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/16/2017	<0.01	
5/19/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

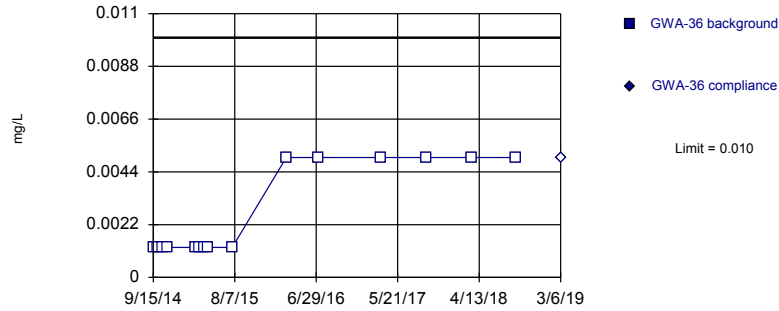
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GWA-51R\_51RZ

5/8/2015	<0.005
5/17/2015	<0.005
5/25/2015	<0.005
6/8/2015	<0.005
6/18/2015	<0.005
6/24/2015	<0.005
6/30/2015	<0.005
7/6/2015	<0.005
8/12/2015	<0.005
5/4/2016	0.00982 (JD)
7/7/2016	0.01 (D)
9/8/2016	0.0046 (JD)
10/26/2016	0.0071 (JD)
1/6/2017	0.0099 (JD)
3/15/2017	0.0056 (JD)
5/18/2017	0.0064 (JD)
7/19/2017	<0.01 (D)
9/19/2017	0.0029 (JD)
3/13/2018	0.005 (J)
9/7/2018	0.01
3/8/2019	0.0052 (X)

Within Limit

Prediction Limit  
Intrawell Non-parametric

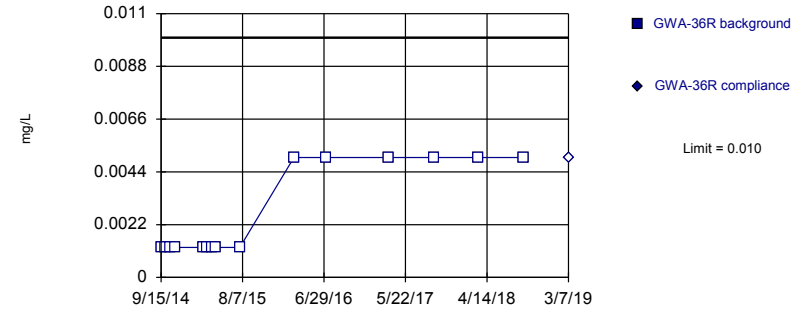


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:26 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

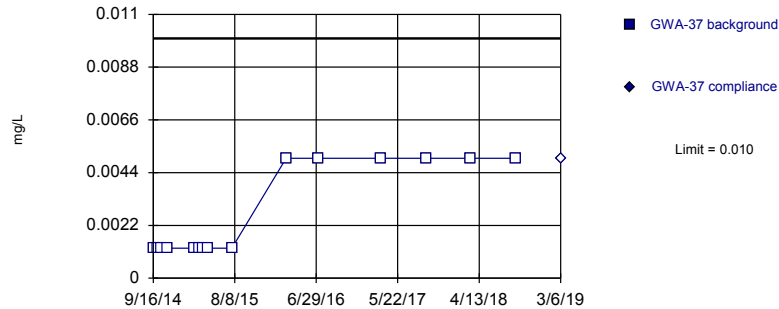


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

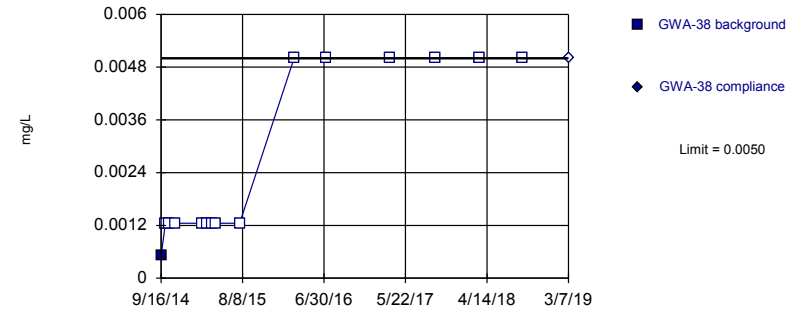


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	<0.0025	
10/3/2014	<0.0025	
10/20/2014	<0.0025	
11/10/2014	<0.0025	
3/2/2015	<0.0025	
3/17/2015	<0.0025	
4/5/2015	<0.0025	
4/21/2015	<0.0025	
7/28/2015	<0.0025	
3/1/2016	<0.01	
7/7/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
9/15/2014	<0.0025	
10/3/2014	<0.0025	
10/20/2014	<0.0025	
11/10/2014	<0.0025	
3/2/2015	<0.0025	
3/17/2015	<0.0025	
4/5/2015	<0.0025	
4/21/2015	<0.0025	
7/28/2015	<0.0025	
3/1/2016	<0.01	
7/6/2016	<0.01	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01



# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37	GWA-37
9/16/2014	<0.0025	
10/3/2014	<0.0025	
10/20/2014	<0.0025	
11/10/2014	<0.0025	
3/2/2015	<0.0025	
3/17/2015	<0.0025	
4/5/2015	<0.0025	
4/22/2015	<0.0025	
7/28/2015	<0.0025	
3/1/2016	<0.01	
7/8/2016	<0.01	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01

# Prediction Limit

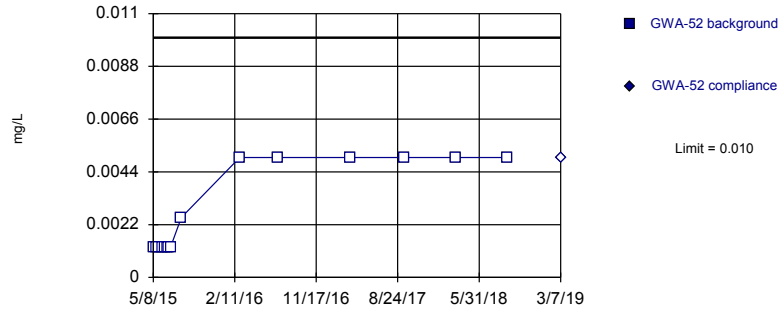
Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	0.00051 (J)	
10/3/2014	<0.0025	
10/20/2014	<0.0025	
11/10/2014	<0.0025	
3/2/2015	<0.0025	
3/17/2015	<0.0025	
4/6/2015	<0.0025	
4/22/2015	<0.0025	
7/28/2015	<0.0025	
3/2/2016	<0.01	
7/7/2016	<0.01	
3/23/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

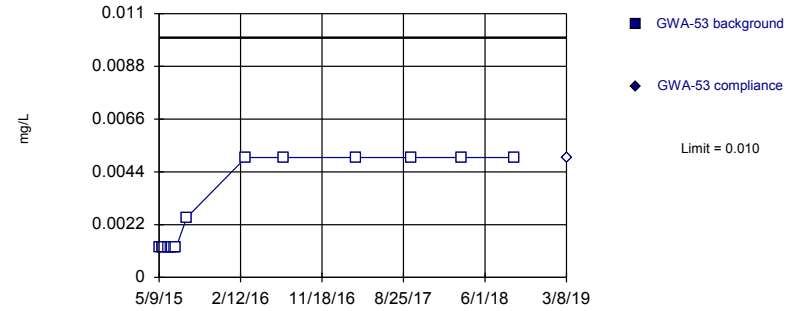


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

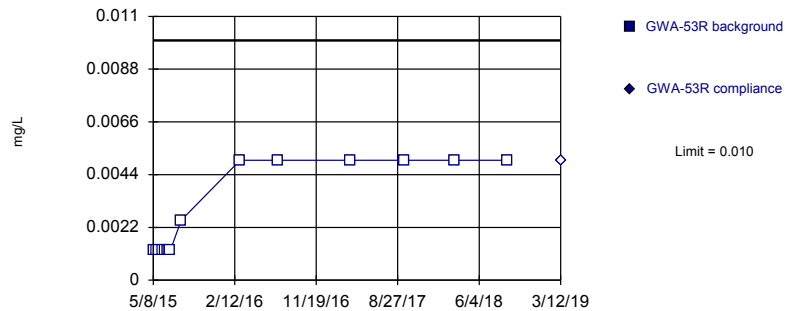


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

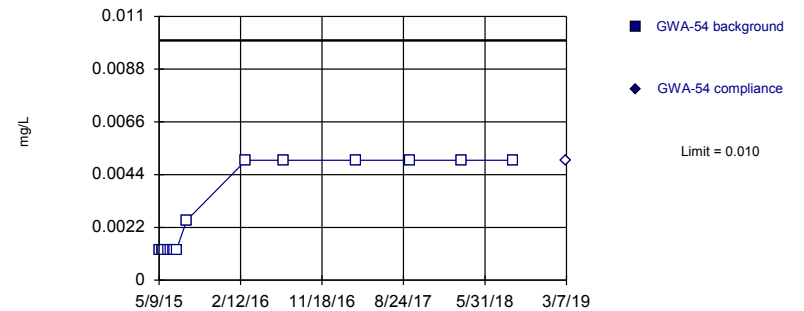


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.0025	
5/17/2015	<0.0025	
5/25/2015	<0.0025	
6/8/2015	<0.0025	
6/18/2015	<0.0025	
6/24/2015	<0.0025	
6/30/2015	<0.0025	
7/6/2015	<0.0025	
8/12/2015	<0.005	
2/29/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/9/2015	<0.0025	
5/18/2015	<0.0025	
5/25/2015	<0.0025	
6/8/2015	<0.0025	
6/17/2015	<0.0025	
6/24/2015	<0.0025	
6/30/2015	<0.0025	
7/6/2015	<0.0025	
8/12/2015	<0.005	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/16/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	<0.0025	
5/17/2015	<0.0025	
5/25/2015	<0.0025	
6/8/2015	<0.0025	
6/18/2015	<0.0025	
6/24/2015	<0.0025	
6/30/2015	<0.0025	
7/6/2015	<0.0025	
8/12/2015	<0.005	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

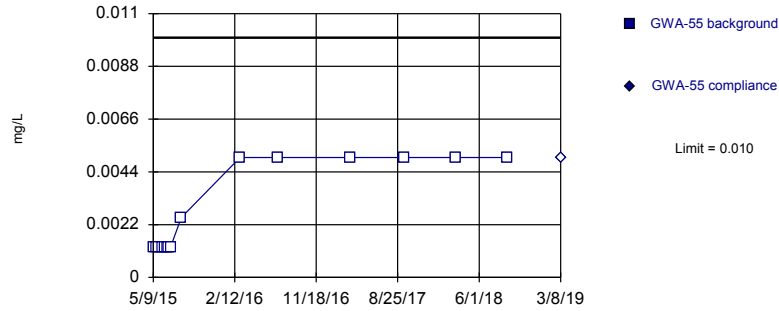
Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	<0.0025	
5/18/2015	<0.0025	
5/25/2015	<0.0025	
6/9/2015	<0.0025	
6/17/2015	<0.0025	
6/25/2015	<0.0025	
7/1/2015	<0.0025	
7/7/2015	<0.0025	
8/12/2015	<0.005	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

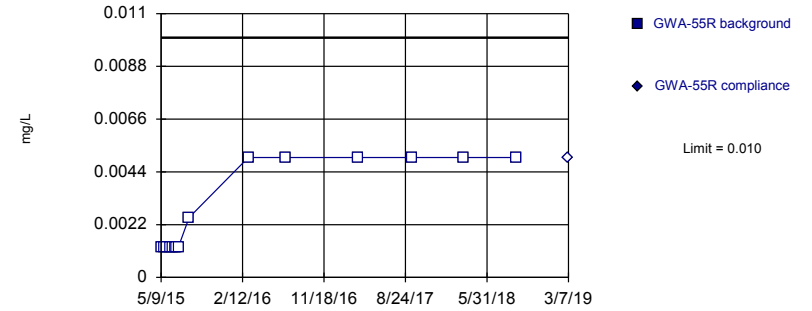


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

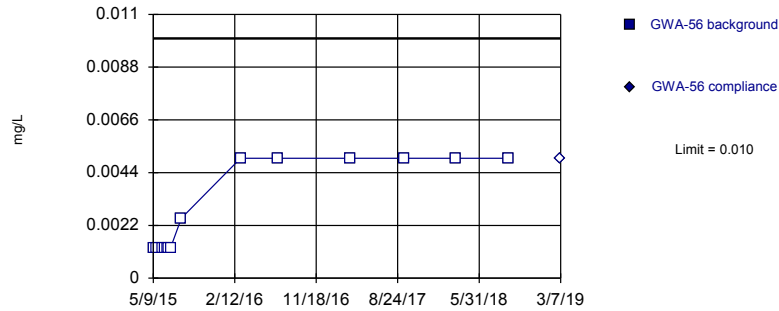


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

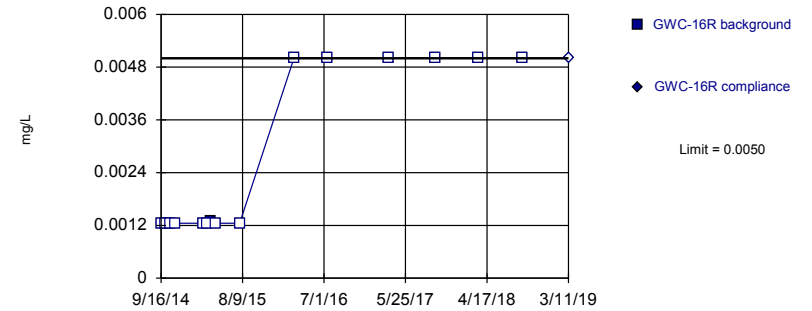


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/9/2015	<0.0025	
5/18/2015	<0.0025	
5/26/2015	<0.0025	
6/9/2015	<0.0025	
6/17/2015	<0.0025	
6/25/2015	<0.0025	
7/1/2015	<0.0025	
7/7/2015	<0.0025	
8/13/2015	<0.005	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/9/2015	<0.0025	
5/18/2015	<0.0025	
5/26/2015	<0.0025	
6/9/2015	<0.0025	
6/17/2015	<0.0025	
6/25/2015	<0.0025	
7/1/2015	<0.0025	
7/7/2015	<0.0025	
8/13/2015	<0.005	
3/3/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	<0.01	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/9/2015	<0.0025	
5/19/2015	<0.0025	
5/26/2015	<0.0025	
6/9/2015	<0.0025	
6/17/2015	<0.0025	
6/25/2015	<0.0025	
7/1/2015	<0.0025	
7/7/2015	<0.0025	
8/13/2015	<0.005	
3/3/2016	<0.01	
7/11/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

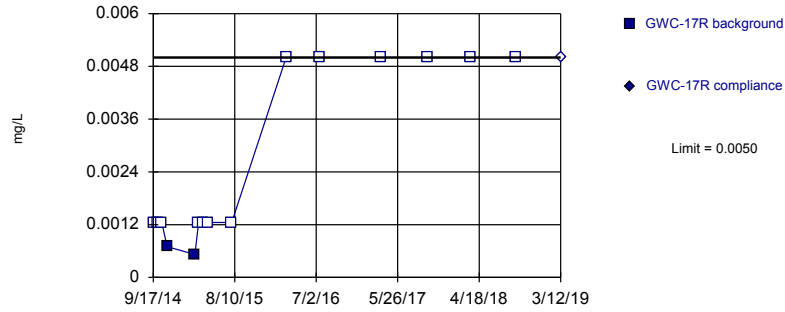
Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	<0.0025	
10/4/2014	<0.0025	
10/21/2014	<0.0025	
11/11/2014	<0.0025	
3/3/2015	<0.0025	
3/18/2015	<0.0025	
4/6/2015	0.0013 (J)	
4/23/2015	<0.0025	
7/29/2015	<0.0025	
3/3/2016	<0.01 (D)	
7/13/2016	<0.01	
3/20/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

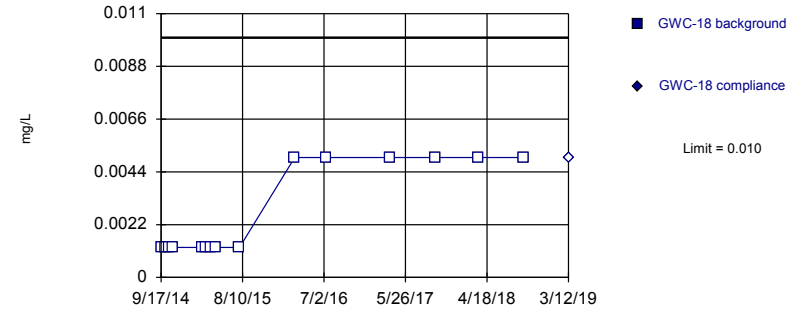


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

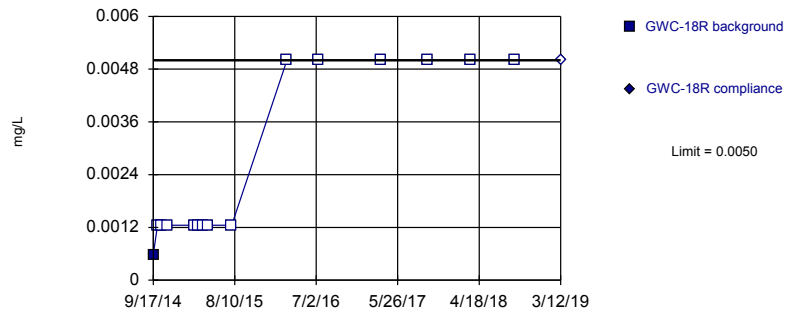


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

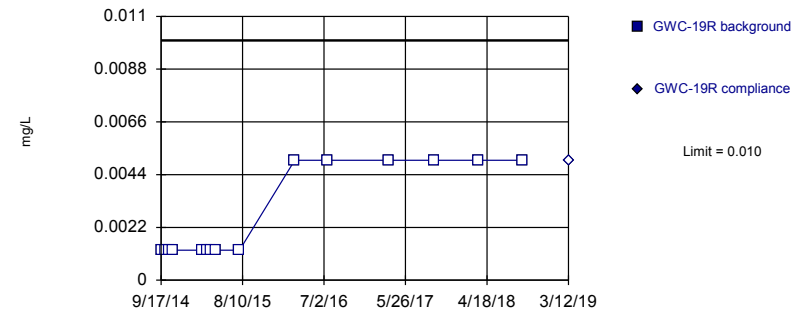


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	<0.0025	
10/4/2014	<0.0025	
10/21/2014	<0.0025	
11/11/2014	0.0007 (J)	
3/3/2015	0.00052 (J)	
3/18/2015	<0.0025	
4/6/2015	<0.0025	
4/23/2015	<0.0025	
7/29/2015	<0.0025	
3/4/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	<0.0025	
10/4/2014	<0.0025	
10/21/2014	<0.0025	
11/5/2014	<0.0025	
3/3/2015	<0.0025	
3/18/2015	<0.0025	
4/7/2015	<0.0025	
4/23/2015	<0.0025	
7/29/2015	<0.0025	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/23/2017	<0.01	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	0.00058 (J)	
10/4/2014	<0.0025	
10/21/2014	<0.0025	
11/11/2014	<0.0025	
3/3/2015	<0.0025	
3/18/2015	<0.0025	
4/7/2015	<0.0025	
4/23/2015	<0.0025	
7/29/2015	<0.0025	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/20/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01



# Prediction Limit

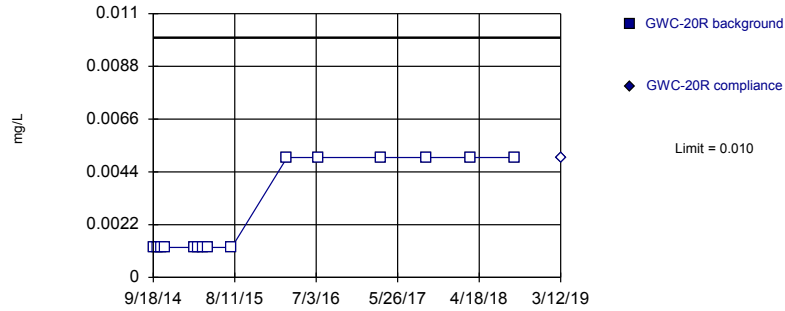
Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	<0.0025	
10/4/2014	<0.0025	
10/21/2014	<0.0025	
11/5/2014	<0.0025	
3/3/2015	<0.0025	
3/19/2015	<0.0025	
4/7/2015	<0.0025	
4/24/2015	<0.0025	
7/29/2015	<0.0025	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/20/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

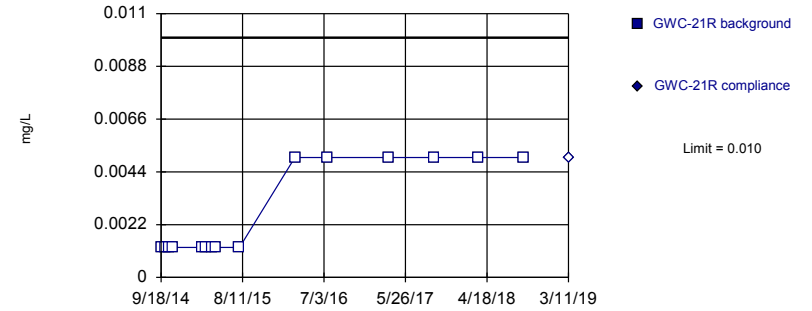


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

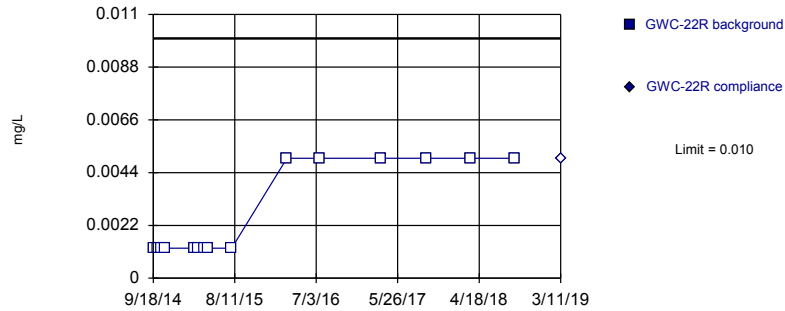


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

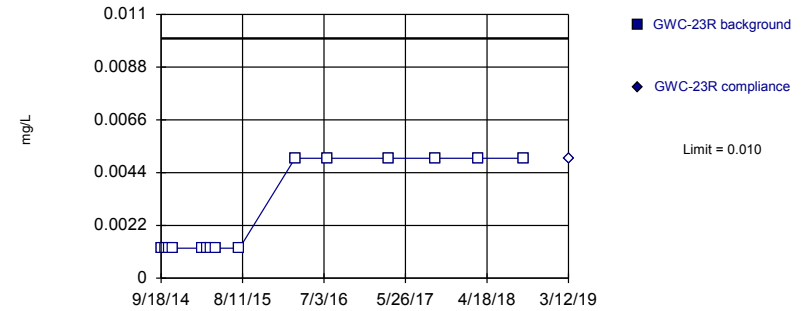


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:27 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	<0.0025	
10/5/2014	<0.0025	
10/22/2014	<0.0025	
11/5/2014	<0.0025	
3/4/2015	<0.0025	
3/19/2015	<0.0025	
4/7/2015	<0.0025	
4/24/2015	<0.0025	
7/30/2015	<0.0025	
3/8/2016	<0.01	
7/14/2016	<0.01	
3/22/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
9/18/2014	<0.0025	
10/5/2014	<0.0025	
10/22/2014	<0.0025	
11/5/2014	<0.0025	
3/4/2015	<0.0025	
3/19/2015	<0.0025	
4/8/2015	<0.0025	
4/24/2015	<0.0025	
7/30/2015	<0.0025	
3/8/2016	<0.01	
7/15/2016	<0.01	
3/21/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/11/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
9/18/2014	<0.0025	
10/5/2014	<0.0025	
10/22/2014	<0.0025	
11/5/2014	<0.0025	
3/4/2015	<0.0025	
3/19/2015	<0.0025	
4/8/2015	<0.0025	
4/24/2015	<0.0025	
7/30/2015	<0.0025	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/20/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01

# Prediction Limit

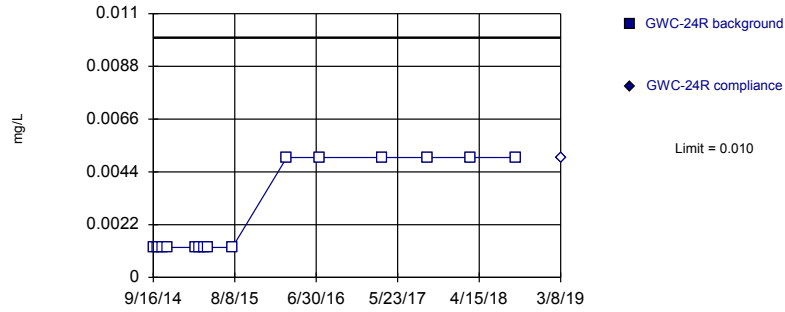
Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	<0.0025	
10/5/2014	<0.0025	
10/22/2014	<0.0025	
11/5/2014	<0.0025	
3/4/2015	<0.0025	
3/20/2015	<0.0025	
4/8/2015	<0.0025	
4/23/2015	<0.0025	
7/30/2015	<0.0025	
3/9/2016	<0.01	
7/15/2016	<0.01	
3/22/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

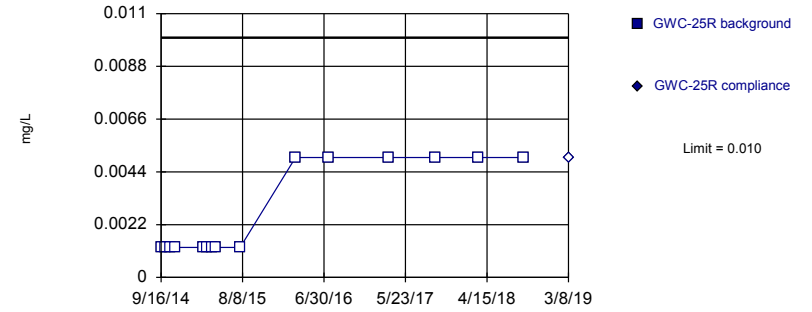


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

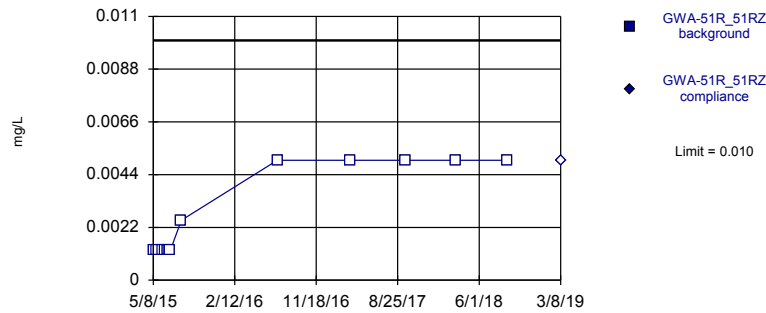


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

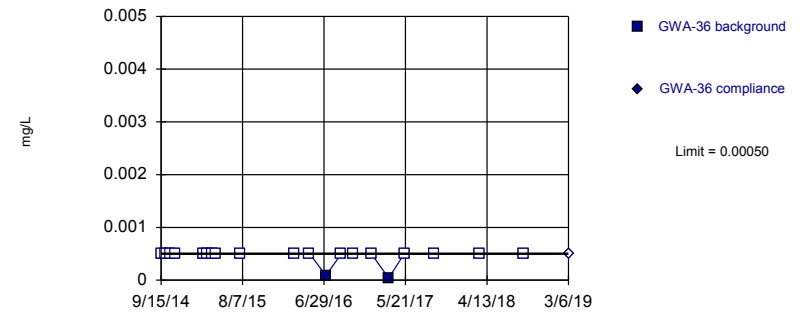


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Silver Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	<0.0025	
10/4/2014	<0.0025	
10/23/2014	<0.0025	
11/10/2014	<0.0025	
3/4/2015	<0.0025	
3/20/2015	<0.0025	
4/8/2015	<0.0025	
4/23/2015	<0.0025	
7/30/2015	<0.0025	
3/4/2016	<0.01	
7/12/2016	<0.01	
3/20/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01



# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	<0.0025	
10/4/2014	<0.0025	
10/23/2014	<0.0025	
11/10/2014	<0.0025	
3/4/2015	<0.0025	
3/20/2015	<0.0025	
4/9/2015	<0.0025	
4/23/2015	<0.0025	
7/30/2015	<0.0025	
3/8/2016	<0.01	
7/18/2016	<0.01	
3/16/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	<0.0025	
5/17/2015	<0.0025	
5/25/2015	<0.0025	
6/8/2015	<0.0025	
6/18/2015	<0.0025	
6/24/2015	<0.0025	
6/30/2015	<0.0025	
7/6/2015	<0.0025	
8/12/2015	<0.005	
7/7/2016	<0.01 (D)	
3/15/2017	<0.01 (D)	
9/19/2017	<0.01 (D)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

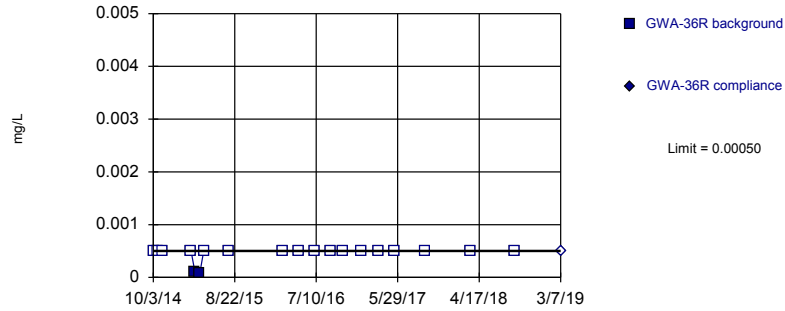
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	<0.001	
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	<0.001	
4/5/2015	<0.001	
4/21/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/2/2016	<0.001	
7/7/2016	9E-05 (J)	
9/7/2016	<0.001	
10/25/2016	<0.001	
1/5/2017	<0.001	
3/15/2017	4E-05 (J)	
5/17/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/6/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

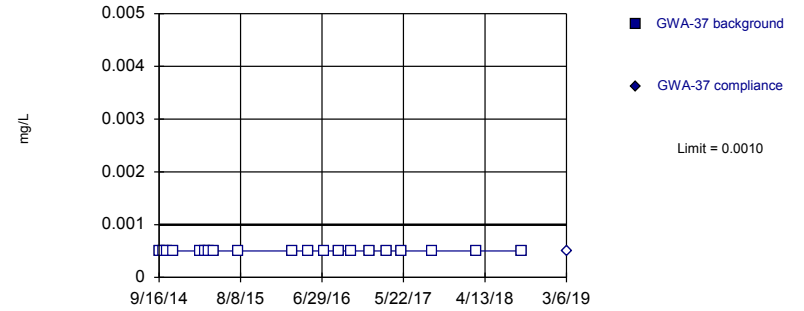


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

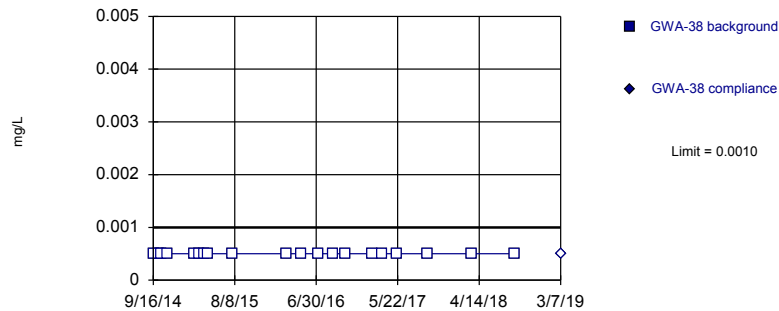


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

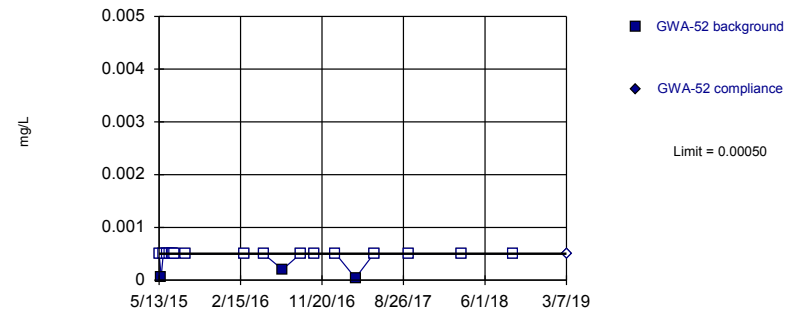


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	0.0001 (J)	
4/5/2015	7E-05 (J)	
4/21/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/2/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/25/2016	<0.001	
1/5/2017	<0.001	
3/14/2017	<0.001	
5/16/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/7/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37	GWA-37
9/16/2014	<0.001	
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	<0.001	
4/5/2015	<0.001	
4/22/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/3/2016	<0.001	
7/8/2016	<0.001	
9/7/2016	<0.001	
10/25/2016	<0.001	
1/6/2017	<0.001	
3/14/2017	<0.001	
5/16/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/6/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	<0.001	
10/6/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	<0.001	
4/6/2015	<0.001	
4/22/2015	<0.001	
7/28/2015	<0.001	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/7/2016	<0.001	
9/8/2016	<0.001	
10/25/2016	<0.001	
2/9/2017	<0.001	
3/23/2017	<0.001	
5/17/2017	<0.001	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/6/2018	<0.001	
3/7/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

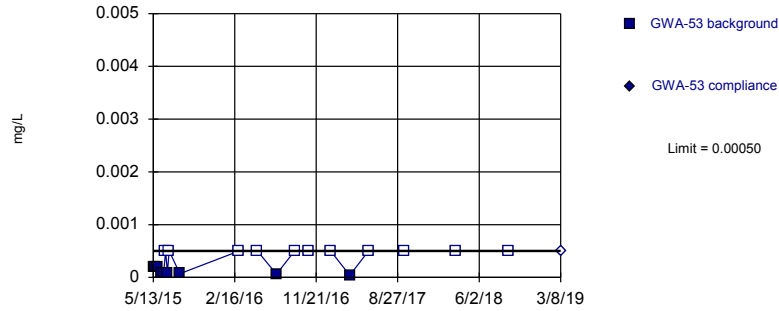
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	GWA-52	GWA-52
5/13/2015	<0.001	
5/20/2015	6E-05 (J)	
5/27/2015	<0.001	
6/8/2015	<0.001	
6/18/2015	<0.001	
6/24/2015	<0.001	
6/30/2015	<0.001	
7/6/2015	<0.001	
8/12/2015	<0.001	
2/29/2016	<0.001	
5/4/2016	<0.001	
7/8/2016	0.0002 (J)	
9/8/2016	<0.001	
10/26/2016	<0.001	
1/6/2017	<0.001	
3/15/2017	4E-05 (J)	
5/17/2017	<0.001	
9/15/2017	<0.001	
3/13/2018	<0.001	
9/6/2018	<0.001	
3/7/2019		<0.001



Within Limit

Prediction Limit  
Intrawell Non-parametric

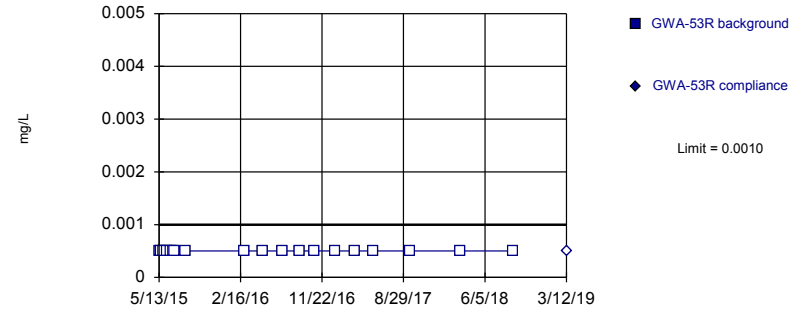


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 55% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

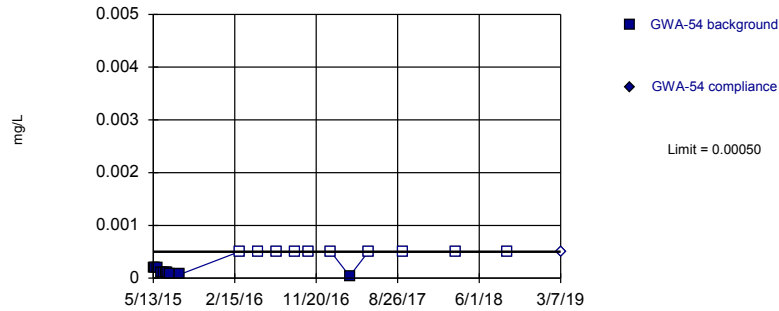


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

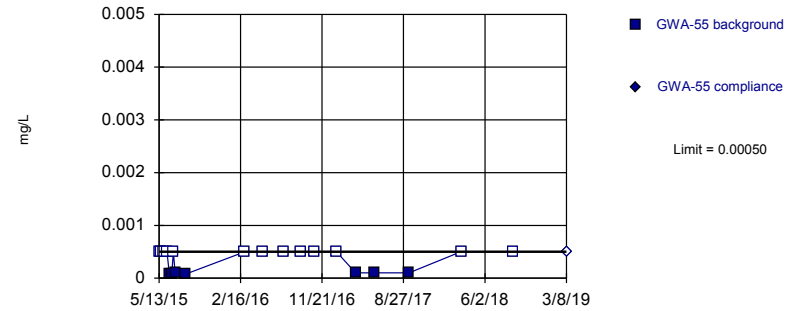


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/13/2015	0.0002 (J)	
5/20/2015	0.0002 (J)	
5/27/2015	0.0002 (J)	
6/8/2015	9E-05 (J)	
6/17/2015	7E-05 (J)	
6/24/2015	<0.001	
6/30/2015	9E-05 (J)	
7/6/2015	<0.001	
8/12/2015	7E-05 (J)	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/8/2016	6E-05 (J)	
9/8/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001	
3/16/2017	4E-05 (J)	
5/19/2017	<0.001	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/13/2015	<0.001	
5/20/2015	<0.001	
5/27/2015	<0.001	
6/8/2015	<0.001 (D)	
6/24/2015	<0.001	
6/30/2015	<0.001	
7/6/2015	<0.001	
8/12/2015	<0.001	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/11/2016	<0.001	
9/7/2016	<0.001	
10/27/2016	<0.001	
1/6/2017	<0.001	
3/16/2017	<0.001	
5/19/2017	<0.001	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/12/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/13/2015	0.0002 (J)	
5/20/2015	0.0002 (J)	
5/27/2015	0.0002 (J)	
6/9/2015	0.0001 (J)	
6/17/2015	0.0001 (J)	
6/25/2015	0.0001 (J)	
7/1/2015	0.0001 (J)	
7/7/2015	9E-05 (J)	
8/12/2015	7E-05 (J)	
3/2/2016	<0.001	
5/4/2016	<0.001	
7/8/2016	<0.001	
9/8/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001	
3/15/2017	4E-05 (J)	
5/18/2017	<0.001	
9/15/2017	<0.001	
3/13/2018	<0.001	
9/6/2018	<0.001	
3/7/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

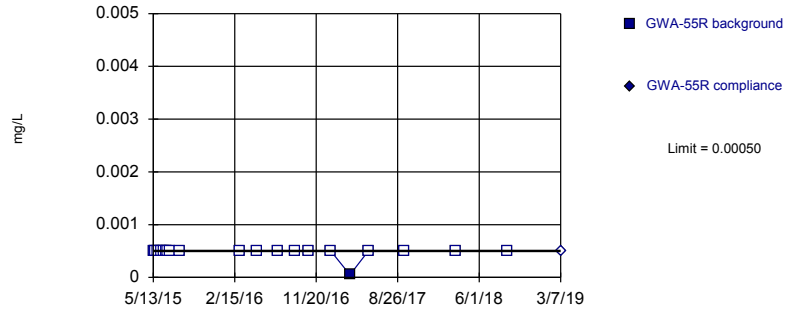
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/13/2015	<0.001	
5/20/2015	<0.001	
5/27/2015	<0.001	
6/9/2015	<0.001	
6/17/2015	8E-05 (J)	
6/25/2015	7E-05 (J)	
7/1/2015	<0.001	
7/7/2015	0.0001 (J)	
8/13/2015	8E-05 (J)	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/11/2016	<0.001 (*)	
9/9/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001	
3/16/2017	0.0001 (J)	
5/18/2017	0.0001 (J)	
9/15/2017	0.0001 (J)	
3/12/2018	<0.001	
9/7/2018	<0.001	
3/8/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

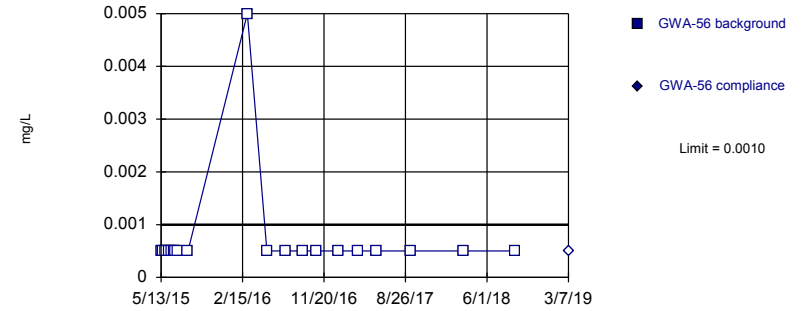


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

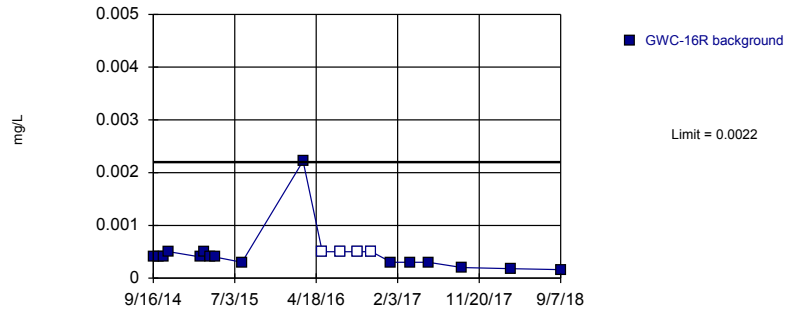
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:28 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-16R

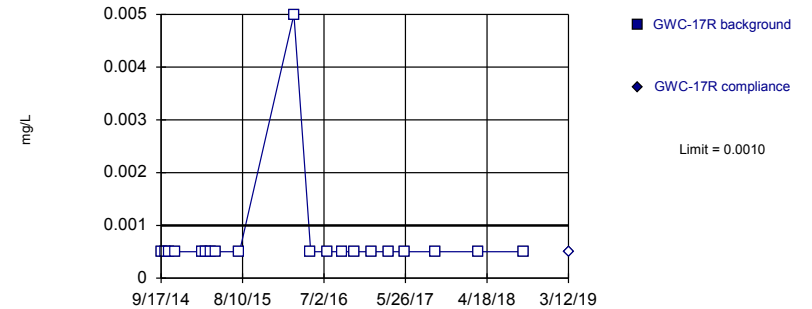


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 20% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Thallium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/13/2015	<0.001	
5/20/2015	<0.001	
5/27/2015	<0.001	
6/9/2015	<0.001	
6/17/2015	<0.001	
6/24/2015	<0.001	
7/1/2015	<0.001	
7/7/2015	<0.001	
8/13/2015	<0.001	
3/3/2016	<0.001	
5/3/2016	<0.001	
7/11/2016	<0.001	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/9/2017	<0.001	
3/16/2017	5E-05 (J)	
5/18/2017	<0.001	
9/18/2017	<0.001	
3/12/2018	<0.001	
9/7/2018	<0.001	
3/7/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/13/2015	<0.001	
5/20/2015	<0.001	
5/27/2015	<0.001	
6/9/2015	<0.001	
6/17/2015	<0.001	
6/25/2015	<0.001	
7/1/2015	<0.001	
7/7/2015	<0.001	
8/13/2015	<0.001	
3/3/2016	<0.01	
5/9/2016	<0.001	
7/11/2016	<0.001	
9/9/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001	
3/15/2017	<0.001	
5/18/2017	<0.001	
9/15/2017	<0.001	
3/13/2018	<0.001	
9/7/2018	<0.001	
3/7/2019		<0.001



# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R
9/16/2014	0.0004 (J)
10/4/2014	0.0004 (J)
10/21/2014	0.0004 (J)
11/11/2014	0.0005 (J)
3/3/2015	0.0004 (J)
3/18/2015	0.0005 (J)
4/6/2015	0.0004 (J)
4/23/2015	0.0004 (J)
7/29/2015	0.0003 (J)
3/3/2016	0.002222 (JD)
5/10/2016	<0.001
7/13/2016	<0.001 (*)
9/15/2016	<0.001
11/2/2016	<0.001
1/11/2017	0.0003 (J)
3/20/2017	0.0003 (J)
5/23/2017	0.0003 (J)
9/21/2017	0.0002 (J)
3/14/2018	0.00018 (J)
9/7/2018	0.00016 (J)
3/11/2019	0.00026 (X)

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

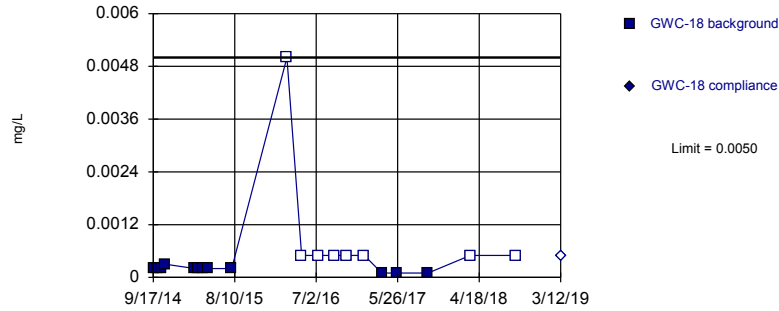
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/11/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/6/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/4/2016	<0.01	
5/10/2016	<0.001	
7/14/2016	<0.001 (*)	
9/14/2016	<0.001	
11/1/2016	<0.001	
1/11/2017	<0.001	
3/21/2017	<0.001	
5/23/2017	<0.001	
9/22/2017	<0.001	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

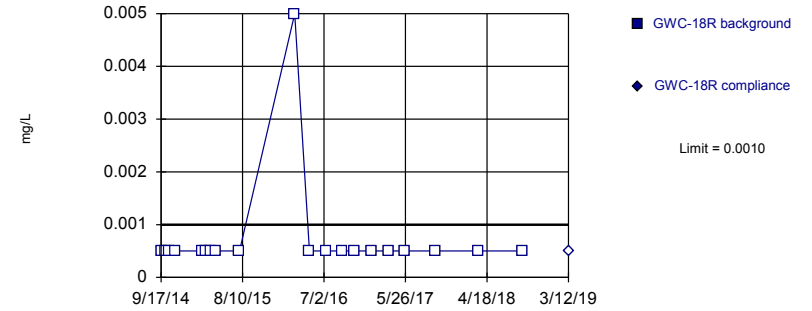


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

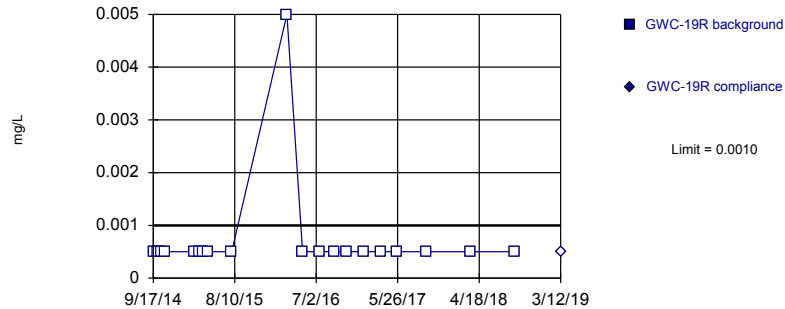


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

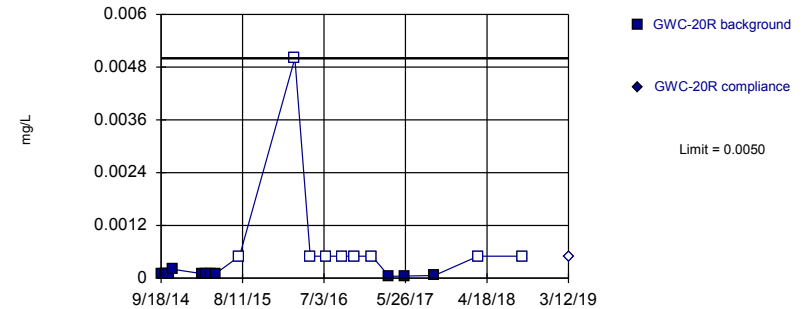


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 45% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	0.0002 (J)	
10/4/2014	0.0002 (J)	
10/21/2014	0.0002 (J)	
11/5/2014	0.0003 (J)	
3/3/2015	0.0002 (J)	
3/18/2015	0.0002 (J)	
4/7/2015	0.0002 (J)	
4/23/2015	0.0002 (J)	
7/29/2015	0.0002 (J)	
3/7/2016	<0.01	
5/5/2016	<0.001	
7/13/2016	<0.001 (*)	
9/13/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	<0.001	
3/23/2017	0.0001 (J)	
5/23/2017	0.0001 (J)	
9/25/2017	0.0001 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/11/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/7/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/7/2016	<0.01	
5/5/2016	<0.001	
7/13/2016	<0.001	
9/12/2016	<0.001	
11/1/2016	<0.001	
1/11/2017	<0.001	
3/20/2017	<0.001	
5/22/2017	<0.001	
9/21/2017	<0.001	
3/14/2018	<0.001	
9/7/2018	<0.001	
3/12/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/5/2014	<0.001	
3/3/2015	<0.001	
3/19/2015	<0.001	
4/7/2015	<0.001	
4/24/2015	<0.001	
7/29/2015	<0.001	
3/7/2016	<0.01	
5/9/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/31/2016	<0.001	
1/11/2017	<0.001	
3/21/2017	<0.001	
5/22/2017	<0.001	
9/20/2017	<0.001	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/12/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

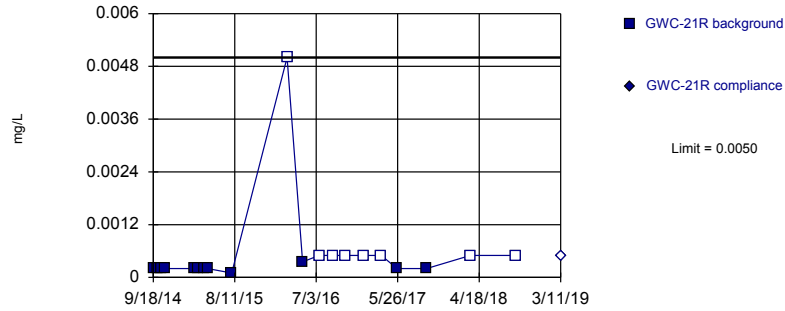
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	0.0001 (J)	
10/5/2014	0.0001 (J)	
10/22/2014	0.0001 (J)	
11/5/2014	0.0002 (J)	
3/4/2015	0.0001 (J)	
3/19/2015	0.0001 (J)	
4/7/2015	0.0001 (J)	
4/24/2015	0.0001 (J)	
7/30/2015	<0.001	
3/8/2016	<0.01	
5/9/2016	<0.001	
7/14/2016	<0.001 (*)	
9/12/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	<0.001	
3/22/2017	4E-05 (J)	
5/22/2017	5E-05 (J)	
9/19/2017	6E-05 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/12/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

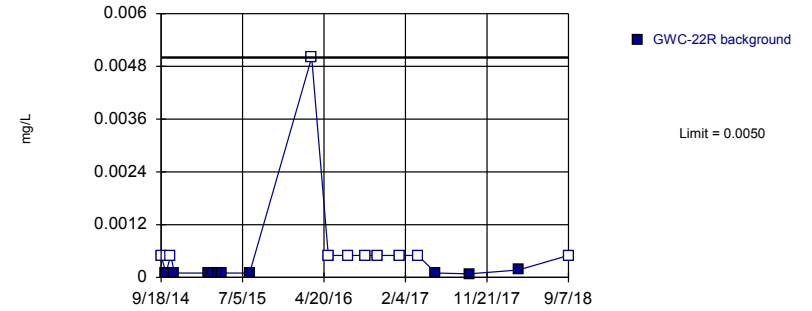


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-22R

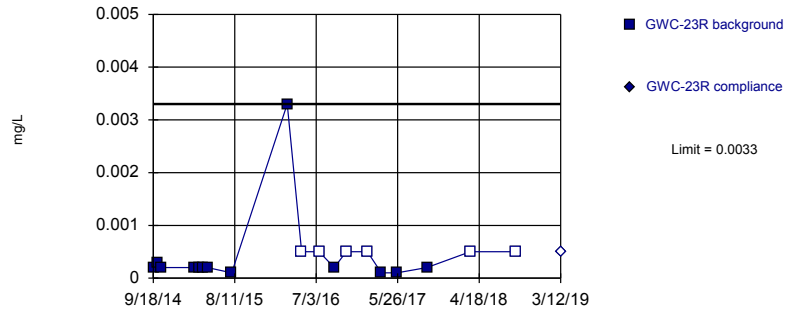


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2). Assumes 1 future value.

Constituent: Thallium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

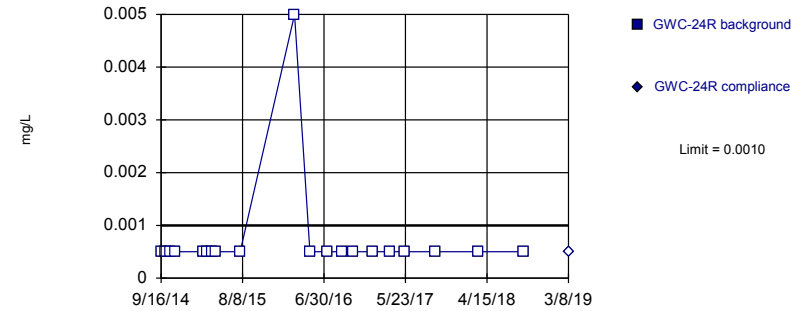


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 19 background values. 31.58% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
9/18/2014	0.0002 (J)	
10/5/2014	0.0002 (J)	
10/22/2014	0.0002 (J)	
11/5/2014	0.0002 (J)	
3/4/2015	0.0002 (J)	
3/19/2015	0.0002 (J)	
4/8/2015	0.0002 (J)	
4/24/2015	0.0002 (J)	
7/30/2015	0.0001 (J)	
3/8/2016	<0.01	
5/9/2016	0.000353 (J)	
7/15/2016	<0.001 (*)	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/12/2017	<0.001	
3/21/2017	<0.001 (*)	
5/23/2017	0.0002 (J)	
9/19/2017	0.0002 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/11/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R
9/18/2014	<0.001
10/5/2014	0.0001 (J)
10/22/2014	<0.001
11/5/2014	0.0001 (J)
3/4/2015	0.0001 (J)
3/19/2015	0.0001 (J)
4/8/2015	0.0001 (J)
4/24/2015	0.0001 (J)
7/30/2015	0.0001 (J)
3/7/2016	<0.01
5/5/2016	<0.001
7/14/2016	<0.001 (*)
9/12/2016	<0.001
10/27/2016	<0.001
1/13/2017	<0.001
3/20/2017	<0.001 (*)
5/23/2017	0.0001 (J)
9/19/2017	8E-05 (J)
3/13/2018	0.00017 (J)
9/7/2018	<0.001
3/11/2019	0.00015 (X)

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	0.0002 (J)	
10/5/2014	0.0003 (J)	
10/22/2014	0.0002 (J)	
3/4/2015	0.0002 (J)	
3/20/2015	0.0002 (J)	
4/8/2015	0.0002 (J)	
4/23/2015	0.0002 (J)	
7/30/2015	0.0001 (J)	
3/9/2016	0.0033 (J)	
5/6/2016	<0.001	
7/15/2016	<0.001 (*)	
9/14/2016	0.0002 (J)	
11/1/2016	<0.001	
1/25/2017	<0.001	
3/22/2017	0.0001 (J)	
5/24/2017	0.0001 (J)	
9/21/2017	0.0002 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

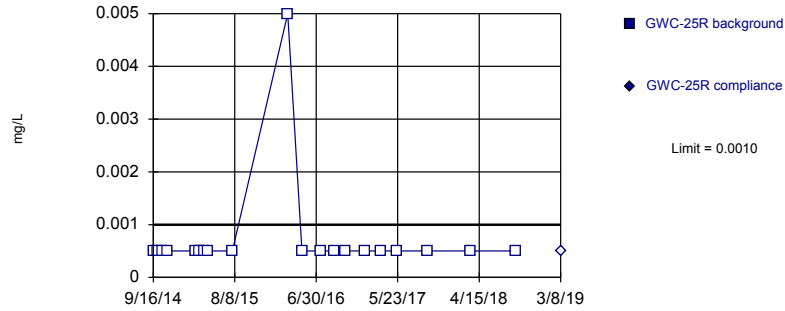
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	<0.001	
10/4/2014	<0.001	
10/23/2014	<0.001	
11/10/2014	<0.001	
3/4/2015	<0.001	
3/20/2015	<0.001	
4/8/2015	<0.001	
4/23/2015	<0.001	
7/30/2015	<0.001	
3/4/2016	<0.01	
5/5/2016	<0.001	
7/12/2016	<0.001 (*)	
9/13/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/20/2017	<0.001 (*)	
5/19/2017	<0.001	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019		<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

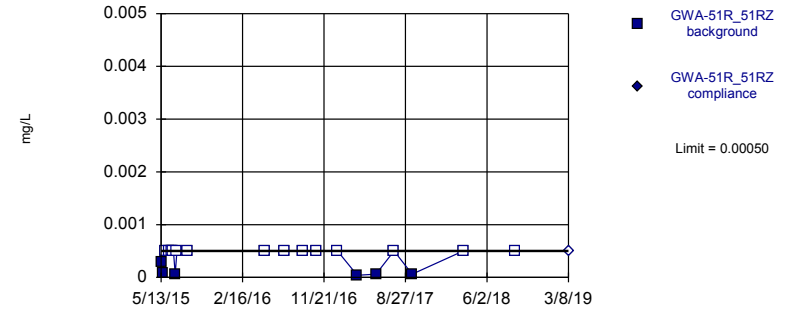


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

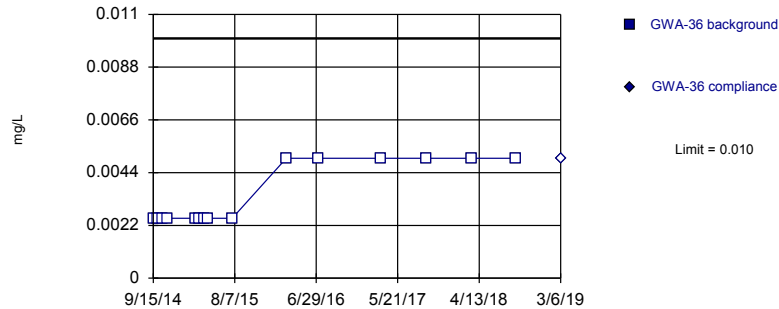


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

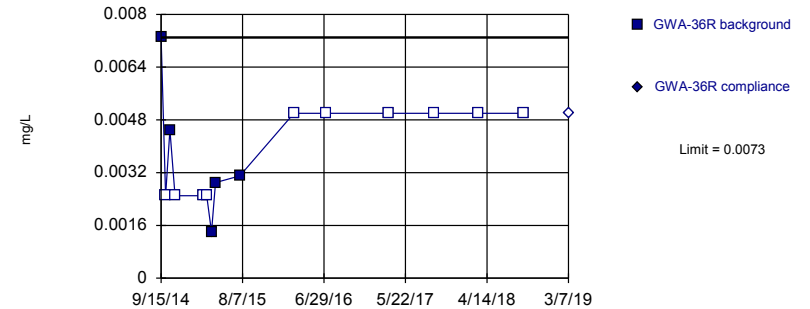


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	<0.001	
10/4/2014	<0.001	
10/23/2014	<0.001	
11/10/2014	<0.001	
3/4/2015	<0.001	
3/20/2015	<0.001	
4/9/2015	<0.001	
4/23/2015	<0.001	
7/30/2015	<0.001	
3/8/2016	<0.01	
5/4/2016	<0.001	
7/18/2016	<0.001	
9/13/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/16/2017	<0.001	
5/19/2017	<0.001	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/13/2015	0.0003 (J)	
5/20/2015	9E-05 (J)	
5/27/2015	<0.001	
6/8/2015	<0.001	
6/18/2015	<0.001	
6/24/2015	<0.001	
6/30/2015	6E-05 (J)	
7/6/2015	<0.001	
8/12/2015	<0.001	
5/4/2016	<0.001 (D)	
7/7/2016	<0.001 (D)	
9/8/2016	<0.001 (D)	
10/26/2016	<0.001 (D)	
1/6/2017	<0.001 (D)	
3/15/2017	4E-05 (JD)	
5/18/2017	6E-05 (JD)	
7/19/2017	<0.001 (D)	
9/19/2017	6E-05 (JD)	
3/13/2018	<0.001	
9/7/2018	<0.001	
3/8/2019		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.01	
7/7/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01



# Prediction Limit

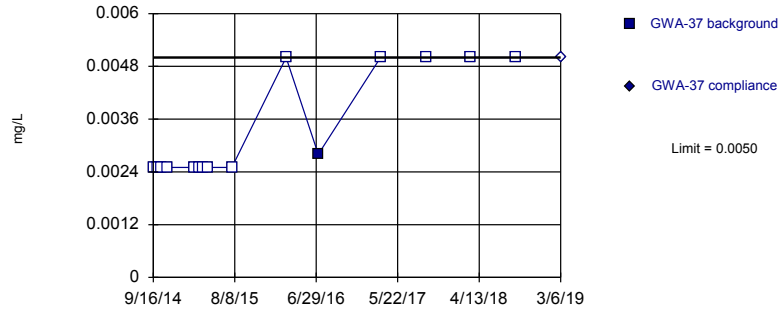
Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
9/15/2014	0.0073	
10/3/2014	<0.005	
10/20/2014	0.0045 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	0.0014 (J)	
4/21/2015	0.0029 (J)	
7/28/2015	0.0031 (J)	
3/1/2016	<0.01	
7/6/2016	<0.01	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

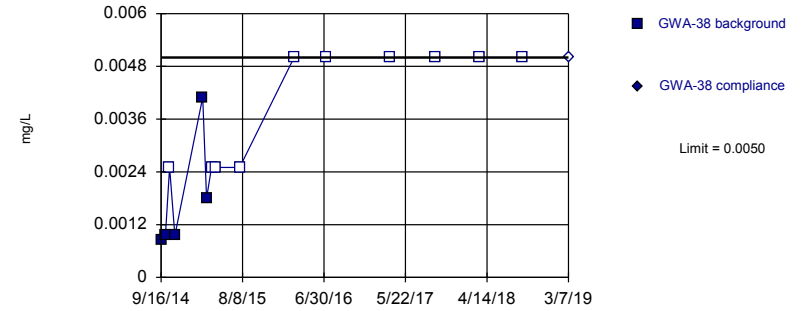


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:29 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

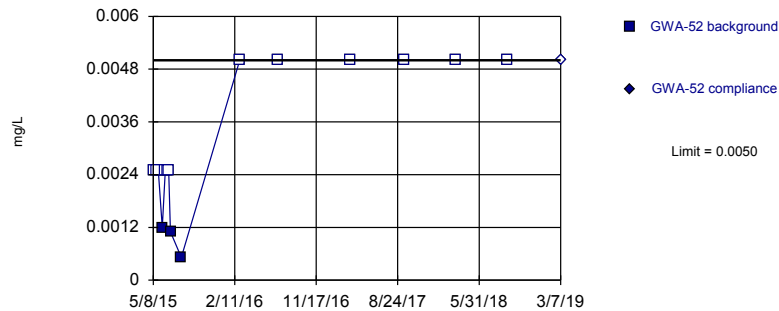


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

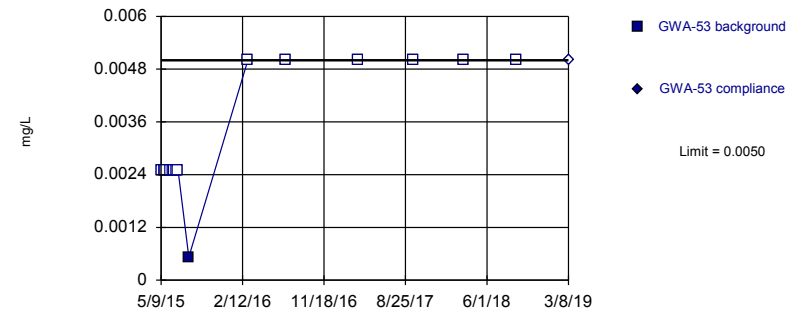


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37	GWA-37
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.01	
7/8/2016	0.0028 (J)	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	0.00085 (J)	
10/3/2014	0.00096 (J)	
10/20/2014	<0.005	
11/10/2014	0.00095 (J)	
3/2/2015	0.0041 (J)	
3/17/2015	0.0018 (J)	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.01	
7/7/2016	<0.01	
3/23/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	0.0012 (J)	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	0.0011 (J)	
8/12/2015	0.000519 (J)	
2/29/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

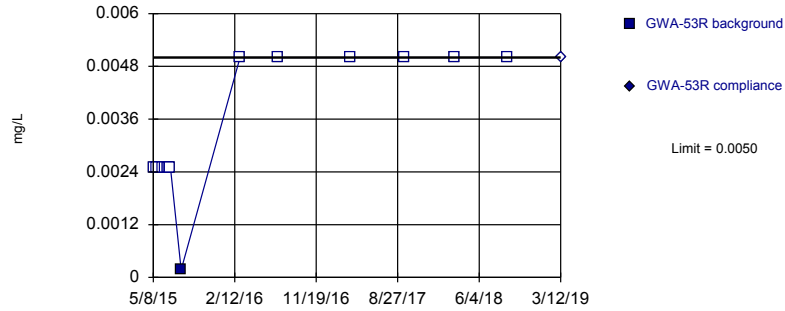
Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/17/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	0.000525 (J)	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/16/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

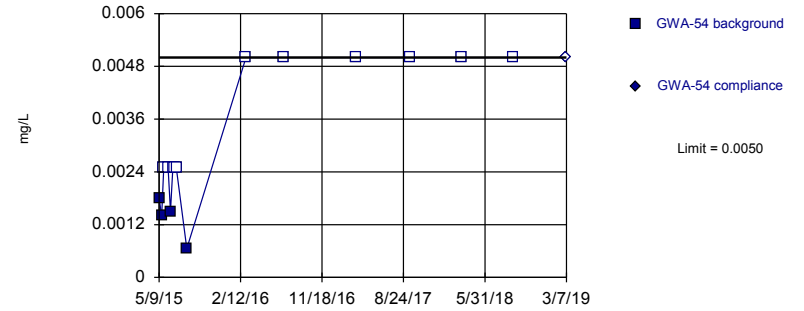


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

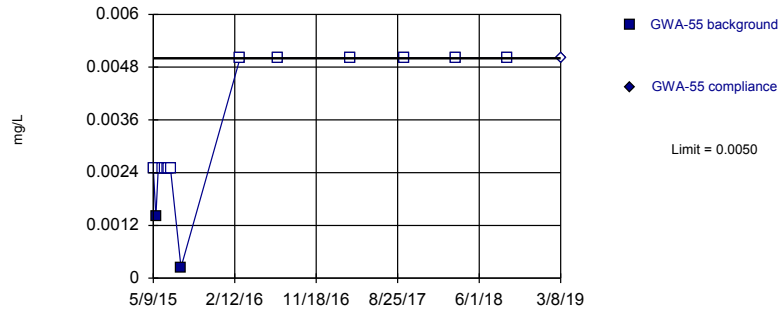


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

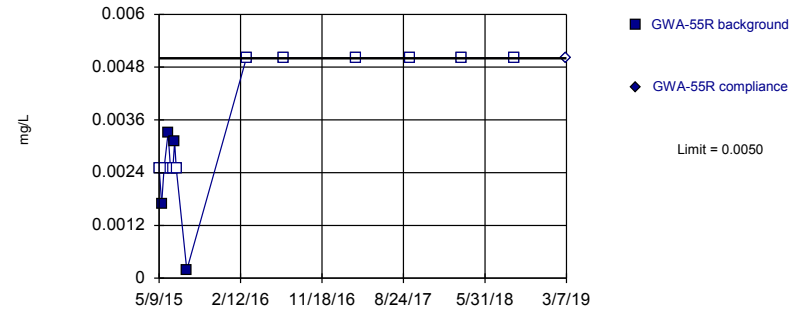


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	0.000172 (J)	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	0.0018 (J)	
5/18/2015	0.0014 (J)	
5/25/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	0.0015 (J)	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/12/2015	0.000656 (J)	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/9/2015	<0.005	
5/18/2015	0.0014 (J)	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/12/2015	0.000246 (J)	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

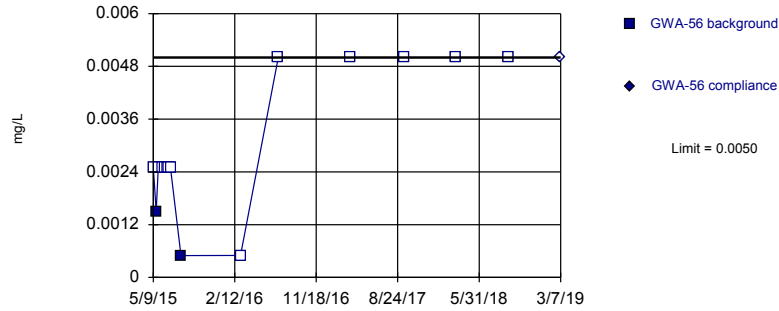
Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/9/2015	<0.005	
5/18/2015	0.0017 (J)	
5/26/2015	<0.005	
6/9/2015	0.0033 (J)	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	0.0031 (J)	
7/7/2015	<0.005	
8/12/2015	0.000187 (J)	
3/3/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	<0.01	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

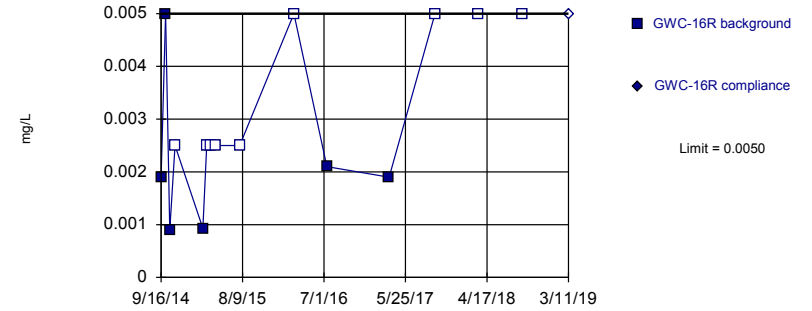


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

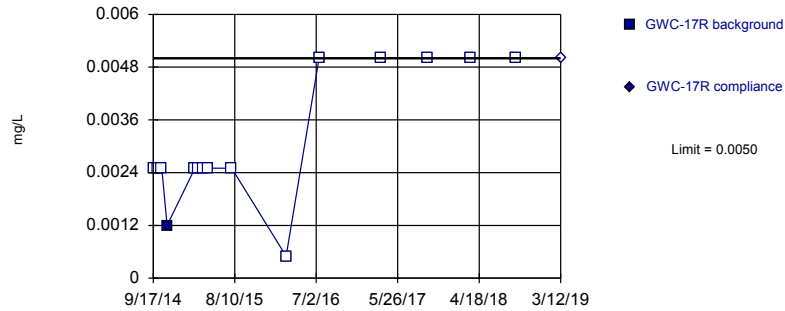


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

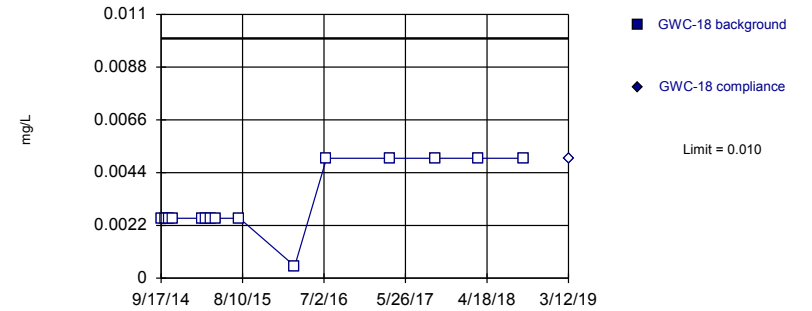


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/9/2015	<0.005	
5/19/2015	0.0015 (J)	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/12/2015	0.000497 (J)	
3/3/2016	<0.001	
7/11/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	0.0019 (J)	
10/4/2014	0.005	
10/21/2014	0.00089 (J)	
11/11/2014	<0.005	
3/3/2015	0.00093 (J)	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	<0.01 (D)	
7/13/2016	0.0021 (J)	
3/20/2017	0.0019 (J)	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	0.0012 (J)	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.001	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

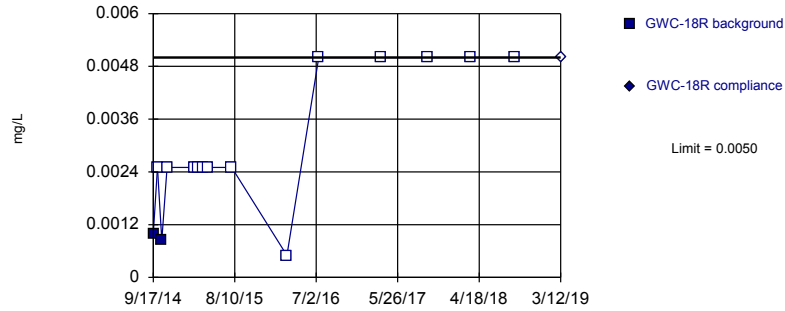
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	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.001	
7/13/2016	<0.01	
3/23/2017	<0.01	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01



Within Limit

Prediction Limit  
Intrawell Non-parametric

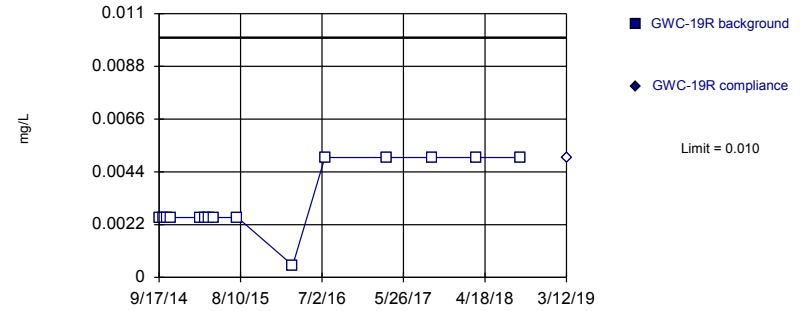


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

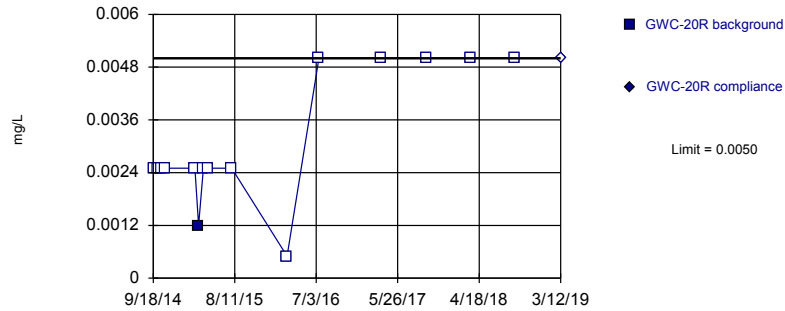


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

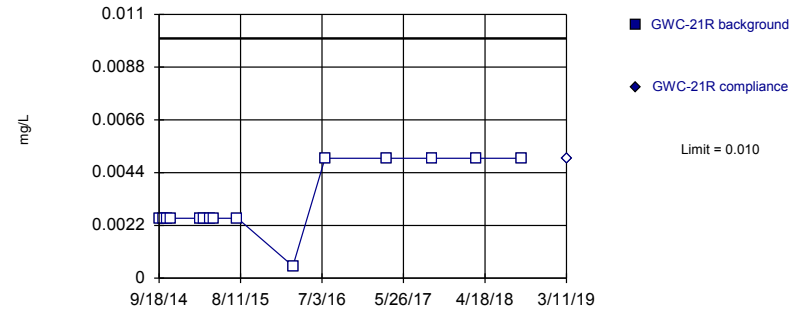


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	0.001 (J)	
10/4/2014	<0.005	
10/21/2014	0.00084 (J)	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.001	
7/13/2016	<0.01	
3/20/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.001	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/20/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	0.0012 (J)	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.001	
7/14/2016	<0.01	
3/22/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

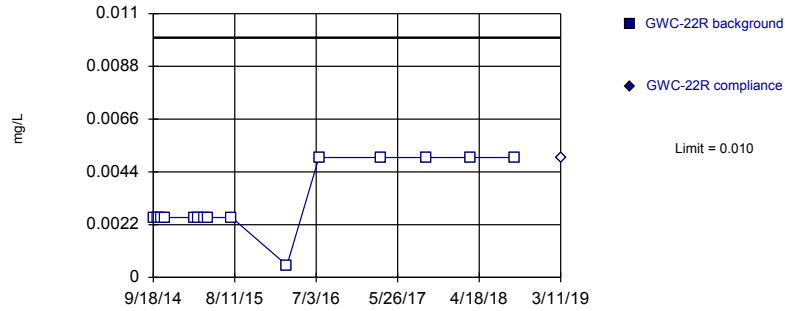
Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.001	
7/15/2016	<0.01	
3/21/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/11/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

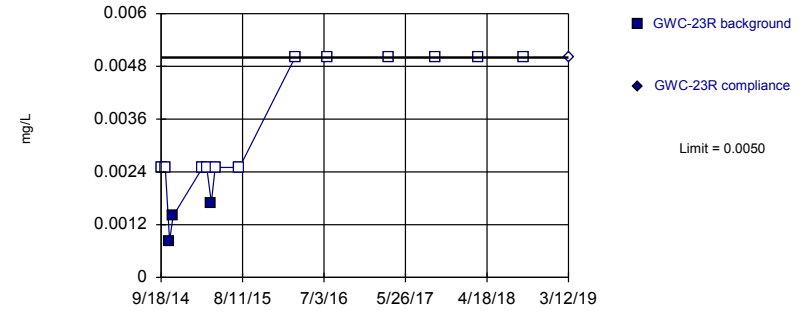


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

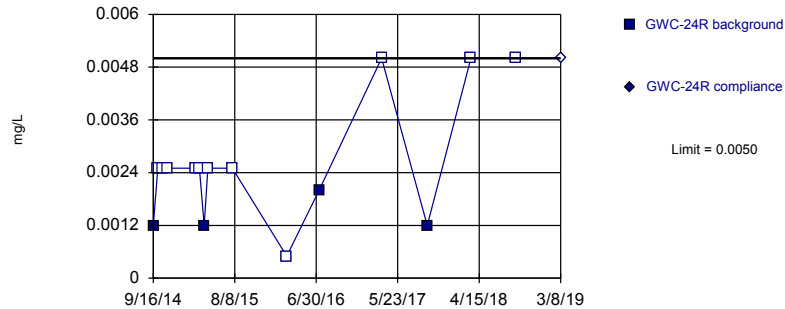


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

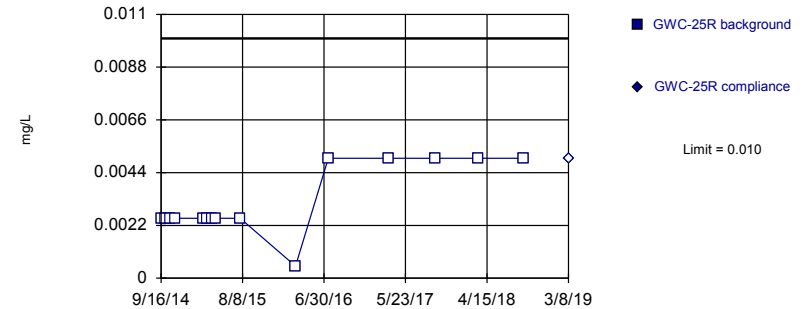


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:30 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.001	
7/14/2016	<0.01	
3/20/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	0.00083 (J)	
11/5/2014	0.0014 (J)	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	0.0017 (J)	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.01	
7/15/2016	<0.01	
3/22/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	0.0012 (J)	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	0.0012 (J)	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	<0.001	
7/12/2016	0.002 (J)	
3/20/2017	<0.01	
9/19/2017	0.0012 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

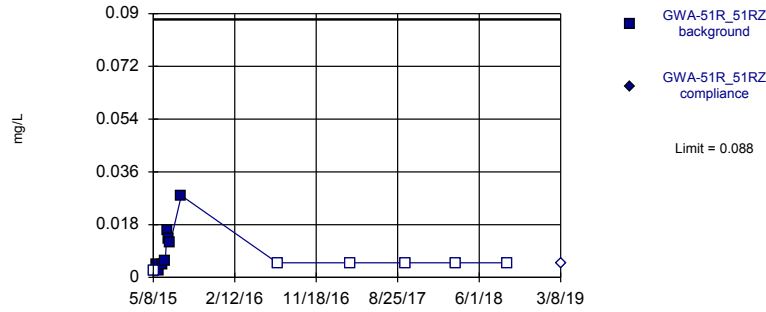
Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.001	
7/18/2016	<0.01	
3/16/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Parametric

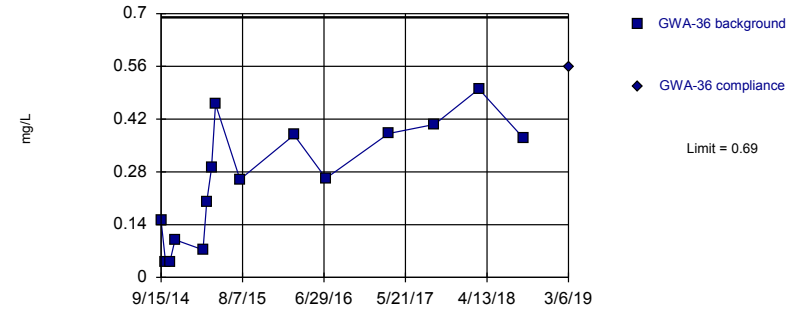


Background Data Summary (based on cube root transformation) (after Aitchison's Adjustment): Mean=0.1184, Std. Dev.=0.1143, n=14, 42.86% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8362, critical = 0.825. Kappa = 2.85 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Vanadium Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

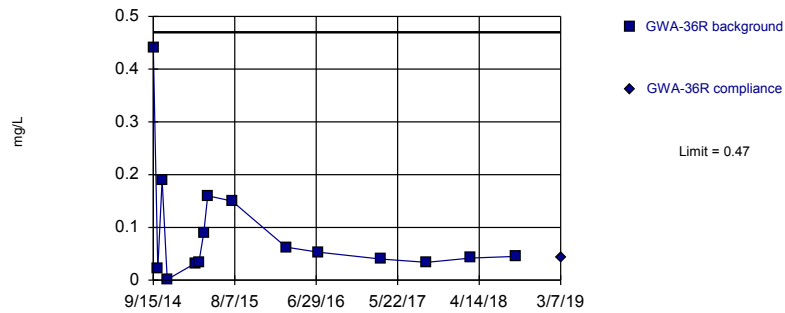


Background Data Summary: Mean=0.2609, Std. Dev.=0.1542, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9361, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

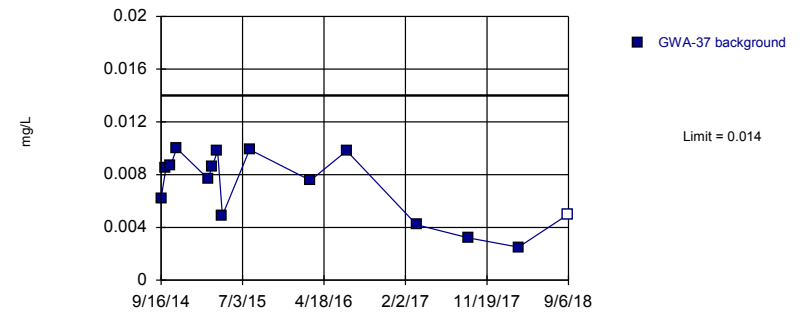


Background Data Summary (based on square root transformation): Mean=0.2675, Std. Dev.=0.1514, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8852, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric, GWA-37 (bg)



Background Data Summary: Mean=0.007104, Std. Dev.=0.002578, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8996, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	<0.005	
5/17/2015	0.0044 (J)	
5/25/2015	0.0025 (J)	
6/8/2015	0.0042 (J)	
6/18/2015	0.0056	
6/24/2015	0.016	
6/30/2015	0.013	
7/6/2015	0.012	
8/12/2015	0.0279 (J)	
7/7/2016	<0.01 (D)	
3/15/2017	<0.01 (D)	
9/19/2017	<0.01 (D)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36	GWA-36
9/15/2014	0.15	
10/3/2014	0.04	
10/20/2014	0.042	
11/10/2014	0.1	
3/2/2015	0.073	
3/17/2015	0.2	
4/5/2015	0.29	
4/21/2015	0.46	
7/28/2015	0.26	
3/1/2016	0.378	
7/7/2016	0.263	
3/15/2017	0.382	
9/15/2017	0.406	
3/12/2018	0.5	
9/6/2018	0.37	
3/6/2019		0.56

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R	GWA-36R
9/15/2014	0.44	
10/3/2014	0.021	
10/20/2014	0.19	
11/10/2014	0.0014 (J)	
3/2/2015	0.032	
3/17/2015	0.034	
4/5/2015	0.089	
4/21/2015	0.16	
7/28/2015	0.15	
3/1/2016	0.0627	
7/6/2016	0.0532	
3/14/2017	0.0401	
9/15/2017	0.0338	
3/12/2018	0.042	
9/6/2018	0.045	
3/7/2019		0.043

# Prediction Limit

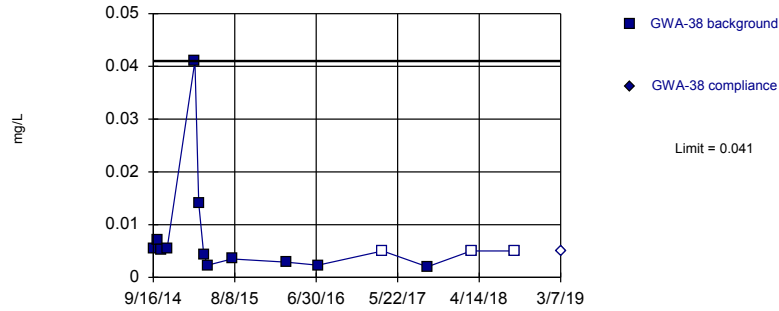
Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37
9/16/2014	0.0062
10/3/2014	0.0085
10/20/2014	0.0087
11/10/2014	0.01
3/2/2015	0.0077
3/17/2015	0.0086
4/5/2015	0.0098
4/22/2015	0.0049
7/28/2015	0.0099
3/1/2016	0.00756 (J)
7/8/2016	0.0098 (J)
3/14/2017	0.0042 (J)
9/15/2017	0.0032 (J)
3/12/2018	0.0025 (J)
9/6/2018	<0.01
3/6/2019	0.0035 (X)

Within Limit

Prediction Limit  
Intrawell Non-parametric

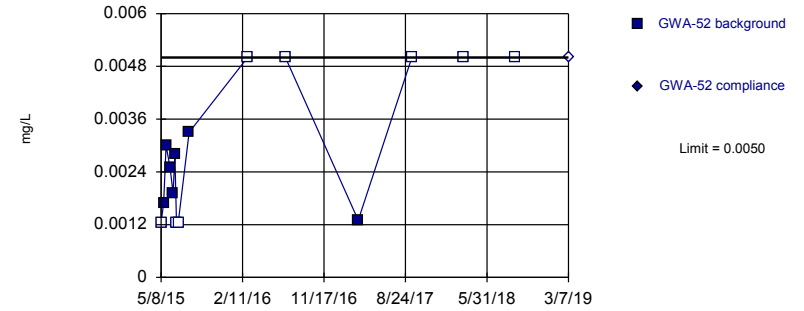


Non-parametric test used after natural log transformation resulted in a parametric limit of 9.121, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 15 background values. 20% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

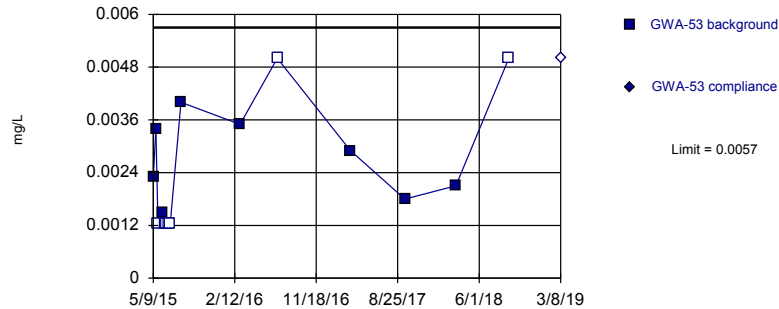


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

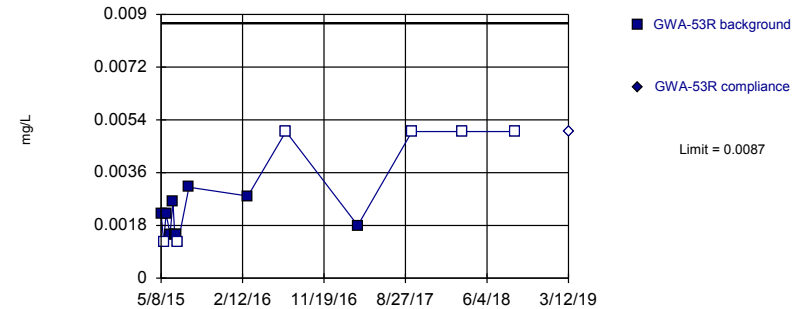


Background Data Summary (after Aitchison's Adjustment): Mean=0.001433, Std. Dev.=0.001526, n=15, 46.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8481, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=0.02747, Std. Dev.=0.02373, n=15, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8505, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38	GWA-38
9/16/2014	0.0054	
10/3/2014	0.007	
10/20/2014	0.0052	
11/10/2014	0.0054	
3/2/2015	0.041	
3/17/2015	0.014	
4/6/2015	0.0044	
4/22/2015	0.0023 (J)	
7/28/2015	0.0035	
3/2/2016	0.0029 (J)	
7/7/2016	0.0023 (J)	
3/23/2017	<0.01 (*)	
9/19/2017	0.002 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52	GWA-52
5/8/2015	<0.0025	
5/17/2015	0.0017 (J)	
5/25/2015	0.003	
6/8/2015	0.0025	
6/18/2015	0.0019 (J)	
6/24/2015	0.0028	
6/30/2015	<0.0025	
7/6/2015	<0.0025	
8/12/2015	0.0033 (BJ)	
2/29/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	0.0013 (J)	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53	GWA-53
5/9/2015	0.0023 (J)	
5/18/2015	0.0034	
5/25/2015	<0.0025	
6/8/2015	0.0015 (J)	
6/17/2015	<0.0025	
6/24/2015	<0.0025	
6/30/2015	<0.0025	
7/6/2015	<0.0025	
8/12/2015	0.004 (BJ)	
3/2/2016	0.0035 (J)	
7/8/2016	<0.01	
3/16/2017	0.0029 (J)	
9/19/2017	0.0018 (J)	
3/13/2018	0.0021 (J)	
9/11/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

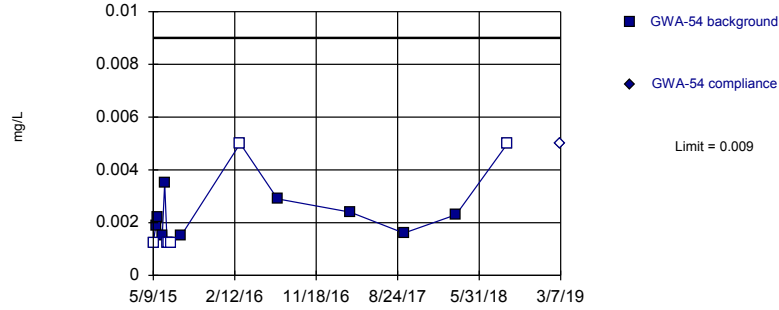
Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R	GWA-53R
5/8/2015	0.0022 (J)	
5/17/2015	<0.0025	
5/25/2015	0.0022 (J)	
6/8/2015	0.0015 (J)	
6/18/2015	0.0026	
6/24/2015	0.0015 (J)	
6/30/2015	0.0015 (J)	
7/6/2015	<0.0025	
8/12/2015	0.0031 (BJ)	
3/2/2016	0.0028 (J)	
7/11/2016	<0.01	
3/16/2017	0.0018 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Parametric

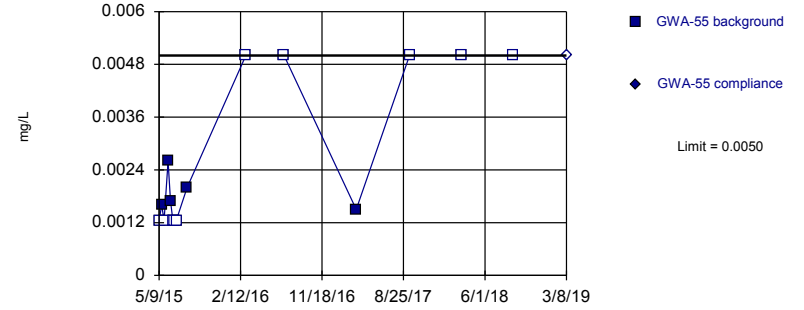


Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=0.02786, Std. Dev.=0.02414, n=15, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8474, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

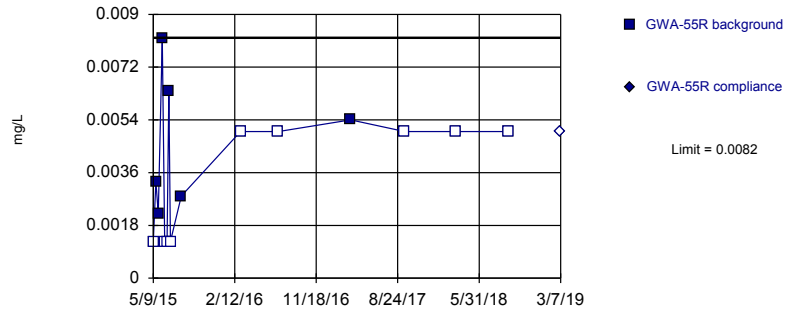


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

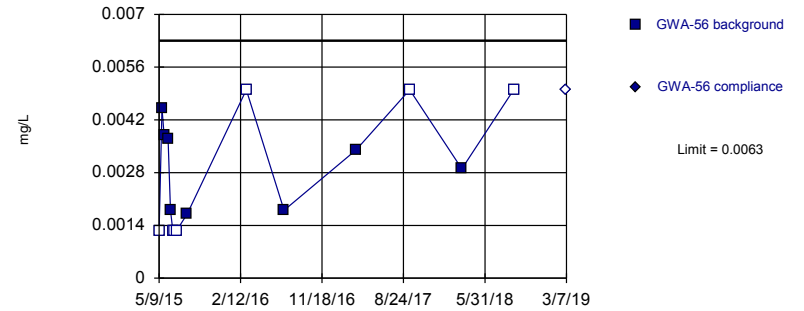


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (after Aitchison's Adjustment): Mean=0.001573, Std. Dev.=0.001703, n=15, 46.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8509, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-54	GWA-54
5/9/2015	<0.0025	
5/18/2015	0.0019 (J)	
5/25/2015	0.0022 (J)	
6/9/2015	0.0015 (J)	
6/17/2015	0.0035	
6/25/2015	<0.0025	
7/1/2015	<0.0025	
7/7/2015	<0.0025	
8/12/2015	0.0015 (BJ)	
3/2/2016	<0.01	
7/8/2016	0.0029 (J)	
3/15/2017	0.0024 (J)	
9/15/2017	0.0016 (J)	
3/13/2018	0.0023 (J)	
9/6/2018	<0.01	
3/7/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55	GWA-55
5/9/2015	<0.0025	
5/18/2015	0.0016 (J)	
5/26/2015	<0.0025	
6/9/2015	0.0026	
6/17/2015	0.0017 (J)	
6/25/2015	<0.0025	
7/1/2015	<0.0025	
7/7/2015	<0.0025	
8/13/2015	0.002 (BJ)	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	0.0015 (J)	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R	GWA-55R
5/9/2015	<0.0025	
5/18/2015	0.0033	
5/26/2015	0.0022 (J)	
6/9/2015	0.0082	
6/17/2015	<0.0025	
6/25/2015	<0.0025	
7/1/2015	0.0064	
7/7/2015	<0.0025	
8/13/2015	0.0028 (BJ)	
3/3/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	0.0054 (J)	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01



# Prediction Limit

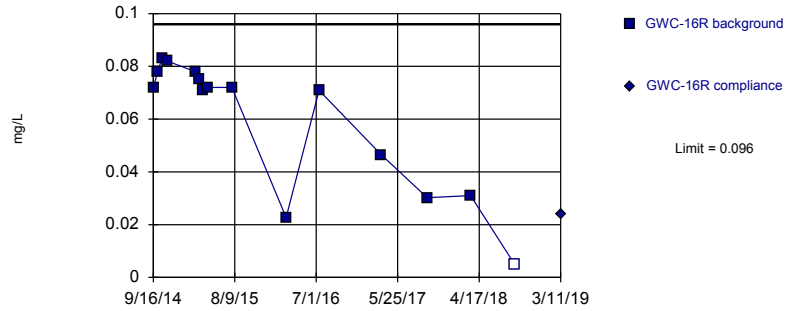
Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56	GWA-56
5/9/2015	<0.0025	
5/19/2015	0.0045	
5/26/2015	0.0038	
6/9/2015	0.0037	
6/17/2015	0.0018 (J)	
6/25/2015	<0.0025	
7/1/2015	<0.0025	
7/7/2015	<0.0025	
8/13/2015	0.0017 (BJ)	
3/3/2016	<0.01	
7/11/2016	0.0018 (J)	
3/15/2017	0.0034 (J)	
9/15/2017	<0.01	
3/13/2018	0.0029 (J)	
9/7/2018	<0.01	
3/7/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Parametric

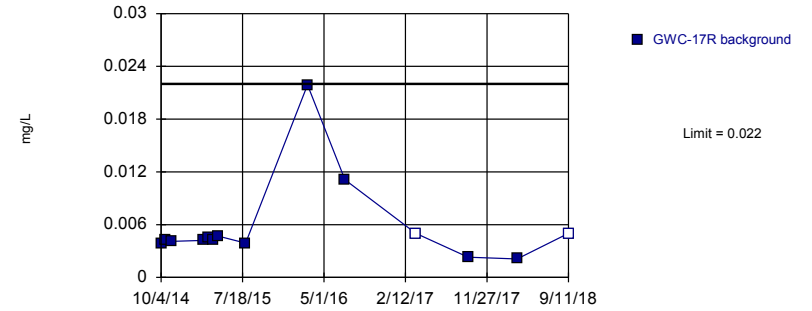


Background Data Summary (based on cube transformation): Mean=0.0002999, Std. Dev.=0.0002062, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8548, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-17R

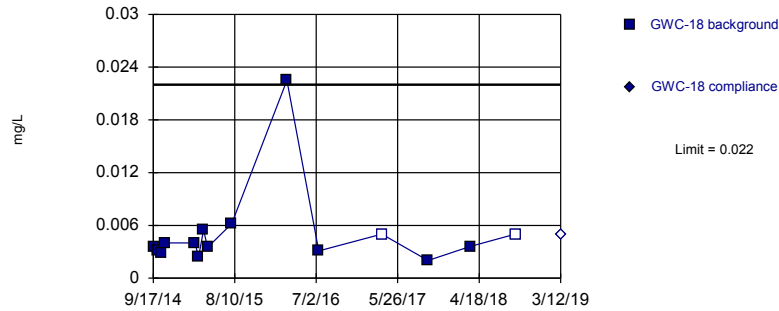


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 14.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2). Assumes 1 future value.

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

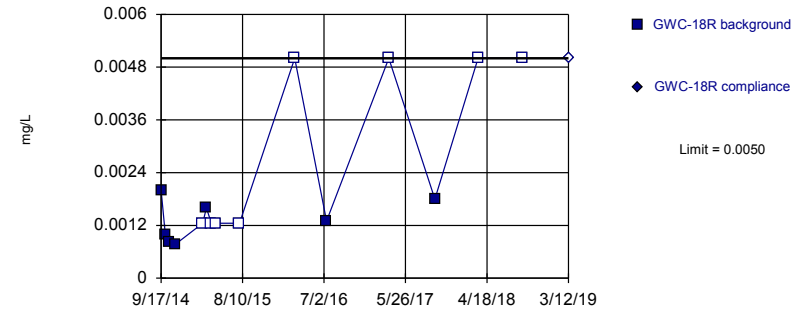


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 13.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 8/26/2019 4:31 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
9/16/2014	0.072	
10/4/2014	0.078	
10/21/2014	0.083	
11/11/2014	0.082	
3/3/2015	0.078	
3/18/2015	0.075	
4/6/2015	0.071	
4/23/2015	0.072	
7/29/2015	0.072	
3/3/2016	0.0227 (D)	
7/13/2016	0.0709	
3/20/2017	0.0465	
9/21/2017	0.0302	
3/14/2018	0.031	
9/7/2018	<0.01	
3/11/2019		0.024

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R
9/17/2014	0.0028 (o)
10/4/2014	0.0038
10/21/2014	0.0043
11/11/2014	0.0041
3/3/2015	0.0042
3/18/2015	0.0046
4/6/2015	0.0043
4/23/2015	0.0047
7/29/2015	0.0039
3/4/2016	0.0219 (J)
7/14/2016	0.0111
3/21/2017	<0.01 (*)
9/22/2017	0.0023 (J)
3/14/2018	0.0021 (J)
9/11/2018	<0.01
3/12/2019	0.0038 (X)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
9/17/2014	0.0035	
10/4/2014	0.0032	
10/21/2014	0.0028	
11/5/2014	0.004	
3/3/2015	0.004	
3/18/2015	0.0024 (J)	
4/7/2015	0.0055	
4/23/2015	0.0035	
7/29/2015	0.0062	
3/7/2016	0.0225 (J)	
7/13/2016	0.0031 (J)	
3/23/2017	<0.01 (*)	
9/25/2017	0.002 (J)	
3/14/2018	0.0036 (J)	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

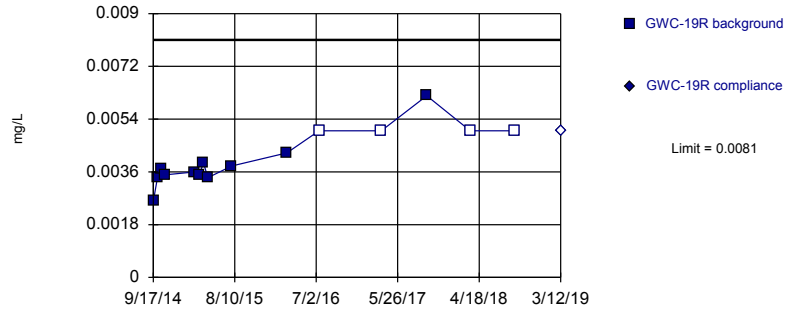
Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
9/17/2014	0.002 (J)	
10/4/2014	0.001 (J)	
10/21/2014	0.00082 (J)	
11/11/2014	0.00076 (J)	
3/3/2015	<0.0025	
3/18/2015	0.0016 (J)	
4/7/2015	<0.0025	
4/23/2015	<0.0025	
7/29/2015	<0.0025	
3/7/2016	<0.01	
7/13/2016	0.0013 (J)	
3/20/2017	<0.01	
9/21/2017	0.0018 (J)	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01

Within Limit

Prediction Limit  
Intrawell Parametric

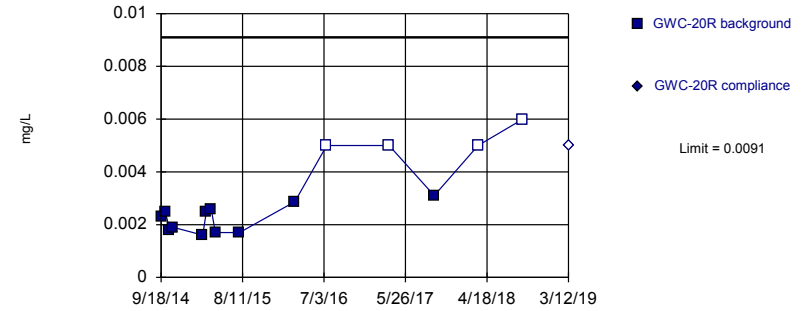


Background Data Summary (after Aitchison's Adjustment): Mean=0.00279, Std. Dev.=0.001898, n=15, 26.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9138, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/26/2019 4:32 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

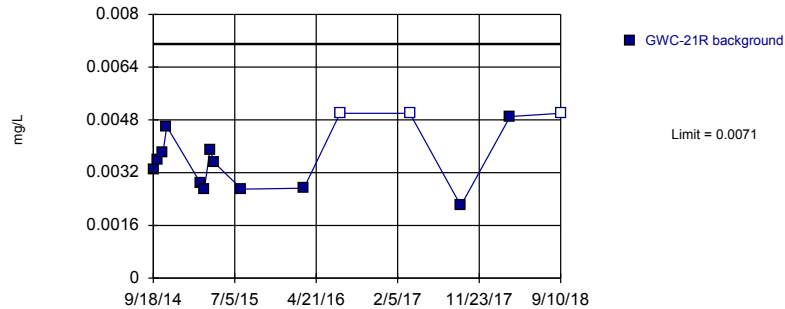
Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=0.03445, Std. Dev.=0.022, n=15, 26.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8625, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/26/2019 4:32 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

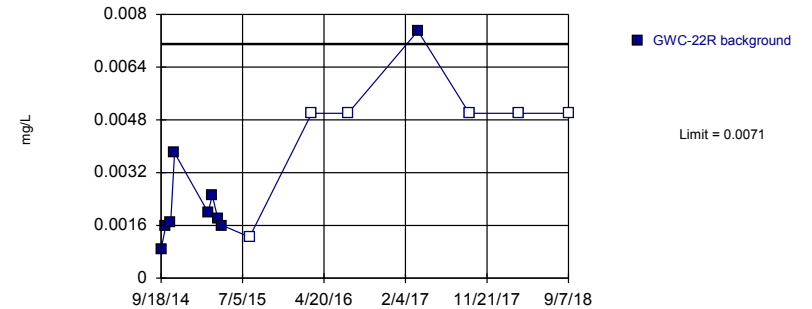
Prediction Limit  
Intrawell Parametric, GWC-21R



Background Data Summary (after Aitchison's Adjustment): Mean=0.002722, Std. Dev.=0.001583, n=15, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9033, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Zinc Analysis Run 8/26/2019 4:32 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit  
Intrawell Parametric, GWC-22R



Background Data Summary (after Aitchison's Adjustment): Mean=0.001559, Std. Dev.=0.002009, n=15, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8706, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993. Assumes 1 future value.

Constituent: Zinc Analysis Run 8/26/2019 4:32 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
9/17/2014	0.0026	
10/4/2014	0.0034	
10/21/2014	0.0037	
11/5/2014	0.0035	
3/3/2015	0.0036	
3/19/2015	0.0035	
4/7/2015	0.0039	
4/24/2015	0.0034	
7/29/2015	0.0038	
3/7/2016	0.00425 (J)	
7/14/2016	<0.01	
3/21/2017	<0.01 (*)	
9/20/2017	0.0062 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
9/18/2014	0.0023 (J)	
10/5/2014	0.0025	
10/22/2014	0.0018 (J)	
11/5/2014	0.0019 (J)	
3/4/2015	0.0016 (J)	
3/19/2015	0.0025	
4/7/2015	0.0026	
4/24/2015	0.0017 (J)	
7/30/2015	0.0017 (J)	
3/8/2016	0.00287 (J)	
7/14/2016	<0.01 (*)	
3/22/2017	<0.01	
9/19/2017	0.0031 (J)	
3/14/2018	<0.01	
9/10/2018	<0.012	
3/12/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R
9/18/2014	0.0033
10/5/2014	0.0036
10/22/2014	0.0038
11/5/2014	0.0046
3/4/2015	0.0029
3/19/2015	0.0027
4/8/2015	0.0039
4/24/2015	0.0035
7/30/2015	0.0027
3/8/2016	0.00273 (J)
7/15/2016	<0.01 (*)
3/21/2017	<0.01 (*)
9/19/2017	0.0022 (J)
3/14/2018	0.0049 (J)
9/10/2018	<0.01
3/11/2019	0.0034 (X)

# Prediction Limit

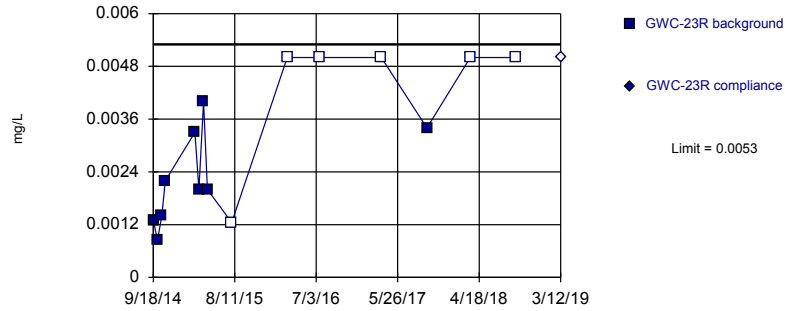
Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R
9/18/2014	0.00089 (J)
10/5/2014	0.0016 (J)
10/22/2014	0.0017 (J)
11/5/2014	0.0038
3/4/2015	0.002 (J)
3/19/2015	0.0025
4/8/2015	0.0018 (J)
4/24/2015	0.0016 (J)
7/30/2015	<0.0025
3/7/2016	<0.01
7/14/2016	<0.01
3/20/2017	0.0075 (J)
9/19/2017	<0.01
3/13/2018	<0.01
9/7/2018	<0.01
3/11/2019	0.0021 (X)

Within Limit

Prediction Limit  
Intrawell Parametric

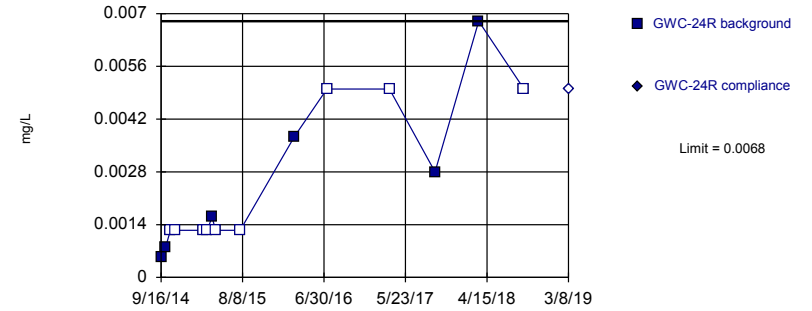


Background Data Summary (after Aitchison's Adjustment): Mean=0.001363, Std. Dev.=0.001409, n=15, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8545, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 8/26/2019 4:32 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

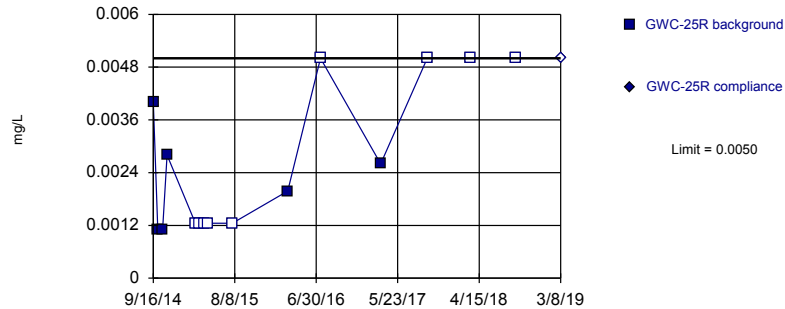


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 8/26/2019 4:32 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

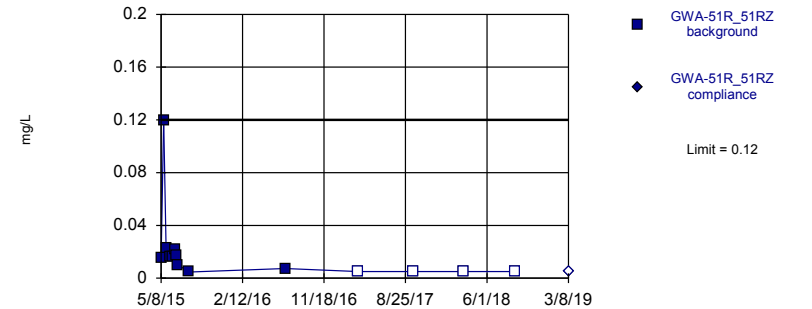


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 8/26/2019 4:32 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used after natural log transformation resulted in a parametric limit of 18.59, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 14 background values. 28.57% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Zinc Analysis Run 8/26/2019 4:32 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
9/18/2014	0.0013 (J)	
10/5/2014	0.00085 (J)	
10/22/2014	0.0014 (J)	
11/5/2014	0.0022 (J)	
3/4/2015	0.0033	
3/20/2015	0.002 (J)	
4/8/2015	0.004	
4/23/2015	0.002 (J)	
7/30/2015	<0.0025	
3/9/2016	<0.01	
7/15/2016	<0.01 (*)	
3/22/2017	<0.01 (*)	
9/21/2017	0.0034 (J)	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
9/16/2014	0.00054 (J)	
10/4/2014	0.0008 (J)	
10/23/2014	<0.0025	
11/10/2014	<0.0025	
3/4/2015	<0.0025	
3/20/2015	<0.0025	
4/8/2015	0.0016 (J)	
4/23/2015	<0.0025	
7/30/2015	<0.0025	
3/4/2016	0.00374 (J)	
7/12/2016	<0.01	
3/20/2017	<0.01	
9/19/2017	0.0028 (J)	
3/13/2018	0.0068 (J)	
9/11/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
9/16/2014	0.004	
10/4/2014	0.0011 (J)	
10/23/2014	0.0011 (J)	
11/10/2014	0.0028	
3/4/2015	<0.0025	
3/20/2015	<0.0025	
4/9/2015	<0.0025	
4/23/2015	<0.0025	
7/30/2015	<0.0025	
3/8/2016	0.00198 (J)	
7/18/2016	<0.01 (*)	
3/16/2017	0.0026 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/26/2019 4:37 PM View: cell 3&4 OB&BR intrawell metals  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ	GWA-51R_51RZ
5/8/2015	0.015	
5/17/2015	0.12	
5/25/2015	0.023	
6/8/2015	0.016	
6/18/2015	0.016	
6/24/2015	0.022	
6/30/2015	0.017	
7/6/2015	0.01	
8/12/2015	0.0047 (BJ)	
7/7/2016	0.0073 (JD)	
3/15/2017	<0.01 (D)	
9/19/2017	<0.01 (D)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01



# Interwell Prediction Limits AppIII - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/28/2019, 1:03 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	GWC-16R	49	n/a	3/11/2019	63.8	Yes	144	0	n/a	0.000...	NP (normality) 1 of 2
Calcium (mg/L)	GWC-17R	49	n/a	3/12/2019	65.3	Yes	144	0	n/a	0.000...	NP (normality) 1 of 2
Calcium (mg/L)	GWC-21R	49	n/a	3/11/2019	67.1	Yes	144	0	n/a	0.000...	NP (normality) 1 of 2
Calcium (mg/L)	GWC-23R	49	n/a	3/12/2019	61.6	Yes	144	0	n/a	0.000...	NP (normality) 1 of 2

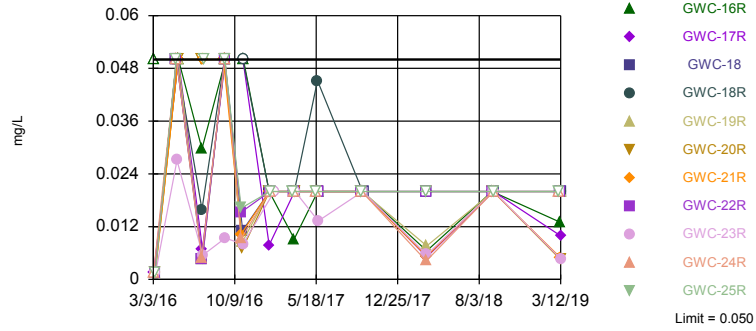
# Interwell Prediction Limits AppIII - All Results

Plant Bowen    Client: Southern Company    Data: Bowen 3&4 CCR    Printed 8/28/2019, 1:03 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Boron (mg/L)	GWC-16R	0.050	n/a	3/11/2019	0.013	No	144	67.36	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-17R	0.050	n/a	3/12/2019	0.0099	No	144	67.36	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-18	0.050	n/a	3/12/2019	0.02ND	No	144	67.36	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-18R	0.050	n/a	3/12/2019	0.02ND	No	144	67.36	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-19R	0.050	n/a	3/12/2019	0.02ND	No	144	67.36	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-20R	0.050	n/a	3/12/2019	0.0045	No	144	67.36	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-21R	0.050	n/a	3/11/2019	0.005	No	144	67.36	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-22R	0.050	n/a	3/11/2019	0.02ND	No	144	67.36	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-23R	0.050	n/a	3/12/2019	0.0047	No	144	67.36	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-24R	0.050	n/a	3/8/2019	0.02ND	No	144	67.36	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-25R	0.050	n/a	3/8/2019	0.02ND	No	144	67.36	n/a	0.000...	NP (NDs) 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-16R</b>	<b>49</b>	<b>n/a</b>	<b>3/11/2019</b>	<b>63.8</b>	<b>Yes</b>	<b>144</b>	<b>0</b>	<b>n/a</b>	<b>0.000...</b>	<b>NP (normality) 1 of 2</b>
<b>Calcium (mg/L)</b>	<b>GWC-17R</b>	<b>49</b>	<b>n/a</b>	<b>3/12/2019</b>	<b>65.3</b>	<b>Yes</b>	<b>144</b>	<b>0</b>	<b>n/a</b>	<b>0.000...</b>	<b>NP (normality) 1 of 2</b>
Calcium (mg/L)	GWC-18	49	n/a	3/12/2019	23.2	No	144	0	n/a	0.000...	NP (normality) 1 of 2
Calcium (mg/L)	GWC-18R	49	n/a	3/12/2019	28.6	No	144	0	n/a	0.000...	NP (normality) 1 of 2
Calcium (mg/L)	GWC-19R	49	n/a	3/12/2019	31.1	No	144	0	n/a	0.000...	NP (normality) 1 of 2
Calcium (mg/L)	GWC-20R	49	n/a	3/12/2019	35.2	No	144	0	n/a	0.000...	NP (normality) 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-21R</b>	<b>49</b>	<b>n/a</b>	<b>3/11/2019</b>	<b>67.1</b>	<b>Yes</b>	<b>144</b>	<b>0</b>	<b>n/a</b>	<b>0.000...</b>	<b>NP (normality) 1 of 2</b>
Calcium (mg/L)	GWC-22R	49	n/a	3/11/2019	33.9	No	144	0	n/a	0.000...	NP (normality) 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-23R</b>	<b>49</b>	<b>n/a</b>	<b>3/12/2019</b>	<b>61.6</b>	<b>Yes</b>	<b>144</b>	<b>0</b>	<b>n/a</b>	<b>0.000...</b>	<b>NP (normality) 1 of 2</b>
Calcium (mg/L)	GWC-24R	49	n/a	3/8/2019	28.8	No	144	0	n/a	0.000...	NP (normality) 1 of 2
Calcium (mg/L)	GWC-25R	49	n/a	3/8/2019	33.1	No	144	0	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-16R	0.40	n/a	3/11/2019	0.23	No	144	45.83	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-17R	0.40	n/a	3/12/2019	0.056	No	144	45.83	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-18	0.40	n/a	3/12/2019	0.05	No	144	45.83	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-18R	0.40	n/a	3/12/2019	0.042	No	144	45.83	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-19R	0.40	n/a	3/12/2019	0.04	No	144	45.83	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-20R	0.40	n/a	3/12/2019	0.048	No	144	45.83	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-21R	0.40	n/a	6/18/2019	0.15ND	No	144	45.83	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-22R	0.40	n/a	3/11/2019	0.15ND	No	144	45.83	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-23R	0.40	n/a	3/12/2019	0.06	No	144	45.83	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-24R	0.40	n/a	3/8/2019	0.15ND	No	144	45.83	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-25R	0.40	n/a	3/8/2019	0.15ND	No	144	45.83	n/a	0.000...	NP (normality) 1 of 2

Within Limit

Prediction Limit  
Interwell Non-parametric

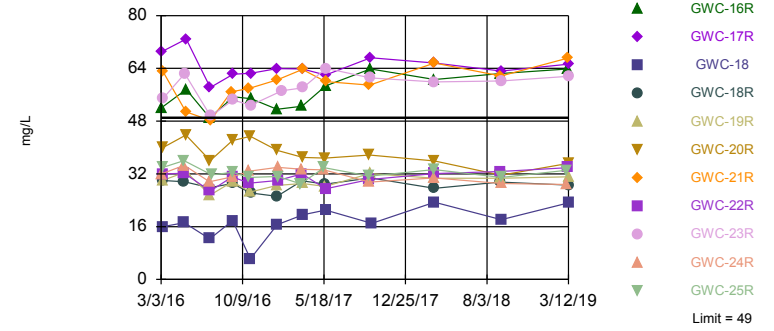


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 144 background values. 67.36% NDs. Annual per-constituent alpha = 0.002083. Individual comparison alpha = 0.00009478 (1 of 2). Comparing 11 points to limit.

Constituent: Boron Analysis Run 8/28/2019 1:01 PM View: Cells3&4\_AppIII\_interwell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit: GWC-16R, GWC-17R, GWC-21R, GWC-23R

Prediction Limit  
Interwell Non-parametric

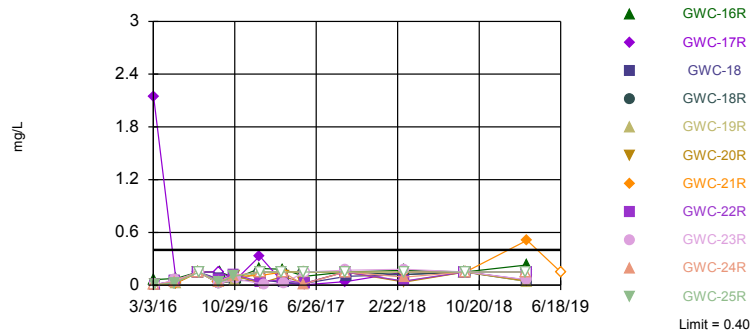


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 144 background values. Annual per-constituent alpha = 0.002083. Individual comparison alpha = 0.00009478 (1 of 2). Comparing 11 points to limit.

Constituent: Calcium Analysis Run 8/28/2019 1:01 PM View: Cells3&4\_AppIII\_interwell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 144 background values. 45.83% NDs. Annual per-constituent alpha = 0.002083. Individual comparison alpha = 0.00009478 (1 of 2). Comparing 11 points to limit.

Constituent: Fluoride Analysis Run 8/28/2019 1:02 PM View: Cells3&4\_AppIII\_interwell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/28/2019 1:03 PM View: Cells3&4\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36R (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)
5/16/2017			<0.04	<0.04					
5/17/2017	<0.04	<0.04							<0.04
5/18/2017					<0.04	<0.04			
5/19/2017							<0.04	<0.04	
5/22/2017									
5/23/2017									
5/24/2017									
7/19/2017									
9/15/2017	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04			
9/18/2017									
9/19/2017							<0.04	<0.04	<0.04
9/20/2017									
9/21/2017									
9/22/2017									
9/25/2017									
3/12/2018		<0.04	0.004 (J)	0.0082 (J)	0.0055 (J)				
3/13/2018	0.0084 (J)					0.0053 (J)	<0.04	<0.04	<0.04
3/14/2018									
9/6/2018	<0.04	<0.04	<0.04	<0.04		<0.04			<0.04
9/7/2018					<0.04				
9/10/2018									
9/11/2018							<0.04	<0.04	
3/6/2019		<0.04	<0.04						
3/7/2019	<0.04			0.0049 (X)		<0.04			<0.04
3/8/2019					0.0056 (X)			<0.04	
3/11/2019									
3/12/2019							<0.04		

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/28/2019 1:03 PM View: Cells3&4\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-24R	GWC-17R	GWC-22R	GWC-19R	GWC-18	GWC-18R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	<0.003	<0.1	<0.1 (D)						
3/4/2016				<0.003	<0.003				
3/7/2016						<0.003	<0.003	<0.003	<0.003
3/8/2016									
3/9/2016									
5/2/2016									
5/3/2016		<0.1							
5/4/2016									
5/5/2016				<0.1		<0.1		<0.1	<0.1
5/6/2016									
5/9/2016	<0.1						<0.1		
5/10/2016			<0.1		<0.1				
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016	0.0128 (J)	0.0047 (J)							
7/12/2016				0.005 (J)					
7/13/2016			0.0297 (J)					0.0047 (J)	0.0159 (J)
7/14/2016					0.0069 (J)	0.0047 (J)	0.0045 (J)		
7/15/2016									
7/18/2016									
9/7/2016									
9/8/2016									
9/9/2016	0.0158 (J)	<0.1							
9/12/2016						<0.1	<0.1		<0.1
9/13/2016				<0.1				<0.1	
9/14/2016					<0.1				
9/15/2016			<0.1						
10/25/2016									
10/26/2016	0.0257 (J)								
10/27/2016		0.0108 (J)		0.0093 (J)		0.0153 (J)			
10/31/2016							0.0086 (J)	0.0111 (J)	
11/1/2016					<0.1				<0.1
11/2/2016			<0.1						
1/5/2017									
1/6/2017									
1/9/2017	0.0219 (J)	<0.04							
1/11/2017			<0.04		0.0078 (J)		<0.04		<0.04
1/12/2017								<0.04	
1/13/2017				<0.04		<0.04			
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017	0.0253 (J)								
3/16/2017		<0.04							
3/20/2017			0.0092 (J)	<0.04		<0.04			<0.04
3/21/2017					<0.04		<0.04		
3/22/2017									
3/23/2017								<0.04	

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/28/2019 1:03 PM View: Cells3&4\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-24R	GWC-17R	GWC-22R	GWC-19R	GWC-18	GWC-18R
5/16/2017									
5/17/2017									
5/18/2017	0.0249 (J)	<0.04							
5/19/2017				<0.04					
5/22/2017							<0.04 (*)		0.0452
5/23/2017			<0.04 (*)		<0.04	<0.04		<0.04	
5/24/2017									
7/19/2017									
9/15/2017	<0.04 (*)								
9/18/2017		<0.04							
9/19/2017				<0.04		<0.04			
9/20/2017							<0.04 (*)		
9/21/2017			<0.04						<0.04
9/22/2017					<0.04				
9/25/2017								<0.04	
3/12/2018		0.0041 (J)							
3/13/2018	0.024 (J)			0.0042 (J)		<0.04			
3/14/2018			0.0065 (J)		0.0051 (J)		0.0076 (J)	<0.04	<0.04
9/6/2018									
9/7/2018	0.024 (J)	<0.04	<0.04			<0.04			<0.04
9/10/2018							<0.04		
9/11/2018				<0.04	<0.04			<0.04	
3/6/2019									
3/7/2019	0.02 (X)	<0.04							
3/8/2019				<0.04					
3/11/2019			0.013 (X)			<0.04			
3/12/2019					0.0099 (X)		<0.04	<0.04	<0.04

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/28/2019 1:03 PM View: Cells3&4\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-25R	GWC-20R	GWC-23R	GWA-51R_51RZ ...
2/29/2016					
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016					
3/7/2016					
3/8/2016	<0.003	<0.003	<0.003		
3/9/2016				<0.003	
5/2/2016					
5/3/2016					
5/4/2016		<0.1			<0.1 (D)
5/5/2016					
5/6/2016				0.0271 (J)	
5/9/2016	<0.1		<0.1		
5/10/2016					
7/6/2016					
7/7/2016					0.0096 (JD)
7/8/2016					
7/11/2016					
7/12/2016					
7/13/2016					
7/14/2016			<0.1		
7/15/2016	<0.1			0.0055 (J)	
7/18/2016		<0.1			
9/7/2016					
9/8/2016					0.0137 (JD)
9/9/2016	<0.1				
9/12/2016			<0.1		
9/13/2016		<0.1			
9/14/2016				0.0094 (J)	
9/15/2016					
10/25/2016					
10/26/2016					0.0247 (JD)
10/27/2016	0.0103 (J)	0.0162 (J)			
10/31/2016			0.007 (J)		
11/1/2016				0.008 (J)	
11/2/2016					
1/5/2017					
1/6/2017					0.0082 (JD)
1/9/2017					
1/11/2017					
1/12/2017	<0.04		<0.04		
1/13/2017		<0.04			
1/25/2017				<0.04	
2/9/2017					
3/14/2017					
3/15/2017					<0.04 (D)
3/16/2017		<0.04			
3/20/2017					
3/21/2017	<0.04				
3/22/2017			<0.04	<0.04	
3/23/2017					



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/28/2019 1:03 PM View: Cells3&4\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-25R	GWC-20R	GWC-23R	GWA-51R_51RZ ...
5/16/2017					
5/17/2017					
5/18/2017					0.0076 (JD)
5/19/2017		<0.04			
5/22/2017			<0.04 (*)		
5/23/2017	<0.04 (*)				
5/24/2017				0.0133 (J)	
7/19/2017					0.0193 (JD)
9/15/2017					
9/18/2017					
9/19/2017	<0.04	<0.04	<0.04		0.0132 (JD)
9/20/2017					
9/21/2017				<0.04 (*)	
9/22/2017					
9/25/2017					
3/12/2018					
3/13/2018		<0.04			0.013 (J)
3/14/2018	0.0053 (J)		<0.04	0.0056 (J)	
9/6/2018					
9/7/2018					<0.04
9/10/2018	<0.04		<0.04		
9/11/2018		<0.04		<0.04	
3/6/2019					
3/7/2019					
3/8/2019		<0.04			0.0085 (X)
3/11/2019	0.005 (X)				
3/12/2019			0.0045 (X)	0.0047 (X)	



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 1:03 PM View: Cells3&4\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36R (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)
5/16/2017			0.922	28.5					
5/17/2017	27.6	16.8							0.889
5/18/2017					37.2	26.7			
5/19/2017							30.9	29.2	
5/22/2017									
5/23/2017									
5/24/2017									
7/19/2017									
9/15/2017	27.7	13.9	0.85	29.1	38.5	25.1			
9/18/2017									
9/19/2017							28.5	26.9	1.28
9/20/2017									
9/21/2017									
9/22/2017									
9/25/2017									
3/12/2018		11.8 (J)	0.81	30.6	39.6				
3/13/2018	26.2					24.3 (J)	29.3	28.6	1.4
3/14/2018									
9/6/2018	27.9	13.5 (J)	0.79	26.1		25.6			1.6
9/7/2018					45.2				
9/10/2018									
9/11/2018							26.3	27.3	
3/6/2019		11.2 (X)	0.78						
3/7/2019	29.5			28		23.8 (X)			2.6
3/8/2019					45.2			25.9	
3/11/2019									
3/12/2019							28		



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 1:03 PM View: Cells3&4\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-24R	GWC-17R	GWC-22R	GWC-19R	GWC-18	GWC-18R
5/16/2017									
5/17/2017									
5/18/2017	26.9	31.3							
5/19/2017				33.2					
5/22/2017							28.2		28.9
5/23/2017			58.7		62	27.5		21	
5/24/2017									
7/19/2017									
9/15/2017	19.6								
9/18/2017		29.7							
9/19/2017				29.5		30.3			
9/20/2017							32.1		
9/21/2017			63.8						30.8
9/22/2017					67.2				
9/25/2017								17	
3/12/2018		38.2							
3/13/2018	26			30.8		32.1			
3/14/2018			60.6		65.6		30.7	23.4 (J)	27.6
9/6/2018									
9/7/2018	25.1	40.3	62.4			32.7			29.5
9/10/2018							30.7		
9/11/2018				29.1	63.2			18.1 (J)	
3/6/2019									
3/7/2019	33.3	40.4							
3/8/2019				28.8					
3/11/2019			63.8			33.9			
3/12/2019					65.3		31.1	23.2 (X)	28.6

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 1:03 PM View: Cells3&4\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-25R	GWC-20R	GWC-23R	GWA-51R_51RZ ...
2/29/2016					
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016					
3/7/2016					
3/8/2016	63	34	40		
3/9/2016				55	
5/2/2016					
5/3/2016					
5/4/2016		36			43.4 (D)
5/5/2016					
5/6/2016				62.4	
5/9/2016	50.8		43.8		
5/10/2016					
7/6/2016					
7/7/2016					40.1 (D)
7/8/2016					
7/11/2016					
7/12/2016					
7/13/2016					
7/14/2016			36		
7/15/2016	48.2			49.5	
7/18/2016		31.7			
9/7/2016					
9/8/2016					37.1 (D)
9/9/2016	56.9				
9/12/2016			42.1		
9/13/2016		32.5			
9/14/2016				54.4	
9/15/2016					
10/25/2016					
10/26/2016					38.8 (D)
10/27/2016	57.9	30.9			
10/31/2016			43.4		
11/1/2016				52.8	
11/2/2016					
1/5/2017					
1/6/2017					39.6 (D)
1/9/2017					
1/11/2017					
1/12/2017	60.5		39.1		
1/13/2017		31.2			
1/25/2017				57.2	
2/9/2017					
3/14/2017					
3/15/2017					36.1 (D)
3/16/2017		29			
3/20/2017					
3/21/2017	63.7				
3/22/2017			37	58.1	
3/23/2017					

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 1:03 PM View: Cells3&4\_AppIII\_interwell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-25R	GWC-20R	GWC-23R	GWA-51R_51RZ ...
5/16/2017					
5/17/2017					
5/18/2017					40.1 (D)
5/19/2017		33.9			
5/22/2017			36.8		
5/23/2017	60				
5/24/2017				64	
7/19/2017					46.9 (D)
9/15/2017					
9/18/2017					
9/19/2017	58.9	31.3	37.7		47.7 (D)
9/20/2017					
9/21/2017				61.1	
9/22/2017					
9/25/2017					
3/12/2018					
3/13/2018		33.3			46.1 (D)
3/14/2018	65.6		35.9	59.9	
9/6/2018					
9/7/2018					44.2
9/10/2018	61.7		31.6		
9/11/2018		30.9		60.2	
3/6/2019					
3/7/2019					
3/8/2019		33.1			46.6
3/11/2019	67.1				
3/12/2019			35.2	61.6	

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/28/2019 1:03 PM View: Cells3&4\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-55 (bg)	GWA-38 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-54 (bg)
2/29/2016	0.0375 (J)								
3/1/2016		0.0153 (J)	0.0172 (J)	0.0215 (J)					
3/2/2016					0.0293 (J)	0.0121 (J)	0.0238 (J)	0.0202 (J)	0.0427 (J)
3/3/2016									
3/4/2016									
3/7/2016									
3/8/2016									
3/9/2016									
5/2/2016		0.018 (J)	0.018 (J)						
5/3/2016				0.023 (J)	0.049 (J)	0.013 (J)	0.027 (J)	0.025 (J)	
5/4/2016	0.04 (J)								0.048 (J)
5/5/2016									
5/6/2016									
5/9/2016									
5/10/2016									
7/6/2016			0.02 (J)						
7/7/2016		<0.3				<0.3			
7/8/2016	0.11 (J)			0.02 (J)				0.09 (J)	0.12 (J)
7/11/2016					<0.3 (*)		<0.3 (*)		
7/12/2016									
7/13/2016									
7/14/2016									
7/15/2016									
7/18/2016									
9/7/2016		<0.3	<0.3	<0.3			<0.3		
9/8/2016	<0.3					<0.3		<0.3	<0.3
9/9/2016					0.05 (J)				
9/12/2016									
9/13/2016									
9/14/2016									
9/15/2016									
10/25/2016		<0.3	0.03 (J)	0.04 (J)		0.03 (J)			
10/26/2016	0.04 (J)				0.08 (J)			0.04 (J)	0.11 (J)
10/27/2016							0.1 (J)		
10/31/2016									
11/1/2016									
11/2/2016									
1/5/2017		<0.3	0.03 (J)						
1/6/2017	0.04 (J)			<0.3			0.02 (J)		
1/9/2017					0.05 (J)			0.02 (J)	0.04 (J)
1/11/2017									
1/12/2017									
1/13/2017									
1/25/2017									
2/9/2017						<0.3			
3/14/2017			<0.3	<0.3					
3/15/2017	<0.3	<0.3							0.009 (J)
3/16/2017					0.07 (J)		0.04 (J)	<0.3	
3/20/2017									
3/21/2017									
3/22/2017									
3/23/2017						<0.3			









# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/28/2019 1:03 PM View: Cells3&4\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-21R	GWC-25R	GWC-23R	GWA-51R_51RZ ...
2/29/2016					
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016					
3/7/2016					
3/8/2016	0.00425 (J)	0.00287 (J)	0.00246 (J)		
3/9/2016				<0.01	
5/2/2016					
5/3/2016					
5/4/2016			0.027 (J)		0.057 (JD)
5/5/2016					
5/6/2016				0.056 (J)	
5/9/2016	0.0259 (J)	0.0222 (J)			
5/10/2016					
7/6/2016					
7/7/2016					0.09 (JD)
7/8/2016					
7/11/2016					
7/12/2016					
7/13/2016					
7/14/2016	<0.3				
7/15/2016		<0.3		<0.3	
7/18/2016			<0.3		
9/7/2016					
9/8/2016					0.03 (JD)
9/9/2016		0.03 (J)			
9/12/2016	0.03 (J)				
9/13/2016			0.03 (J)		
9/14/2016				0.02 (J)	
9/15/2016					
10/25/2016					
10/26/2016					0.15 (JD)
10/27/2016		0.1 (J)	0.1 (J)		
10/31/2016	0.11 (J)				
11/1/2016				0.07 (J)	
11/2/2016					
1/5/2017					
1/6/2017					0.11 (JD)
1/9/2017					
1/11/2017					
1/12/2017	0.02 (J)	0.11 (J)			
1/13/2017			<0.3		
1/25/2017				0.01 (J)	
2/9/2017					
3/14/2017					
3/15/2017					0.004 (JD)
3/16/2017			<0.3		
3/20/2017					
3/21/2017		<0.3			
3/22/2017	0.1 (J)			0.02 (J)	
3/23/2017					

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/28/2019 1:03 PM View: Cells3&4\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-21R	GWC-25R	GWC-23R	GWA-51R_51RZ ...
5/16/2017					
5/17/2017					
5/18/2017					0.007 (JD)
5/19/2017			<0.3		
5/22/2017	0.02 (J)				
5/23/2017		<0.3			
5/24/2017				<0.3	
7/19/2017					0.12 (JD)
9/15/2017					
9/18/2017					
9/19/2017	<0.3	<0.3	<0.3		0.07 (JD)
9/20/2017					
9/21/2017				0.17 (J)	
9/22/2017					
9/25/2017					
3/12/2018					
3/13/2018			<0.3		0.16 (J)
3/14/2018	0.035 (J)	<0.3		0.18 (J)	
9/6/2018					
9/7/2018					<0.3
9/10/2018	<0.3	<0.3			
9/11/2018			<0.3	<0.3	
3/6/2019					
3/7/2019					
3/8/2019			<0.3		0.075 (X)
3/11/2019		0.51			
3/12/2019	0.048 (X)			0.06 (X)	
6/18/2019		<0.3			

# Intrawell Prediction Limits AppIII - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/28/2019, 1:07 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Chloride (mg/L)	GWC-18	2.4	n/a	3/12/2019	2.8	Yes	8	0	No	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-18R	2.9	n/a	3/12/2019	3.3	Yes	8	0	No	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-20R	2.3	n/a	3/12/2019	2.7	Yes	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-17R	9.3	n/a	3/12/2019	25.9	Yes	8	0	ln(x)	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-19R	3.7	n/a	3/12/2019	4.3	Yes	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-16R	340	n/a	3/11/2019	344	Yes	8	0	No	0.000...	Param 1 of 3

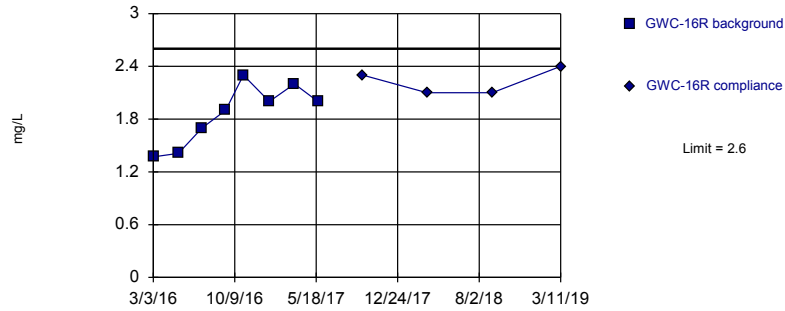
# Intrawell Prediction Limits AppIII - All Results

Plant Bowen    Client: Southern Company    Data: Bowen 3&4 CCR    Printed 8/28/2019, 1:07 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Chloride (mg/L)	GWC-16R	2.6	n/a	3/11/2019	2.4	No	8	0	No	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-17R	7.4	n/a	3/12/2019	6.9	No	8	0	No	0.000...	Param 1 of 3
<b>Chloride (mg/L)</b>	<b>GWC-18</b>	<b>2.4</b>	<b>n/a</b>	<b>3/12/2019</b>	<b>2.8</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
<b>Chloride (mg/L)</b>	<b>GWC-18R</b>	<b>2.9</b>	<b>n/a</b>	<b>3/12/2019</b>	<b>3.3</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Chloride (mg/L)	GWC-19R	3	n/a	3/12/2019	2.8	No	8	0	sqrt(x)	0.000...	Param 1 of 3
<b>Chloride (mg/L)</b>	<b>GWC-20R</b>	<b>2.3</b>	<b>n/a</b>	<b>3/12/2019</b>	<b>2.7</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Chloride (mg/L)	GWC-21R	5.1	n/a	3/11/2019	4.2	No	8	0	No	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-22R	3.3	n/a	3/11/2019	3.2	No	8	0	sqrt(x)	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-23R	2.6	n/a	3/12/2019	2.4	No	8	0	No	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-24R	3.1	n/a	3/8/2019	2.6	No	8	0	No	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-25R	3.2	n/a	3/8/2019	2.8	No	8	0	No	0.000...	Param 1 of 3
pH (pH units)	GWC-16R	7.5	6.8	3/11/2019	7.21	No	8	0	No	0.000342	Param 1 of 3
pH (pH units)	GWC-17R	7.3	7.1	3/12/2019	7.28	No	8	0	No	0.000342	Param 1 of 3
pH (pH units)	GWC-18	7.5	5.8	3/12/2019	7.06	No	8	0	No	0.000342	Param 1 of 3
pH (pH units)	GWC-18R	8	7.5	3/12/2019	7.76	No	8	0	No	0.000342	Param 1 of 3
pH (pH units)	GWC-19R	7.9	7.5	3/12/2019	7.6	No	8	0	No	0.000342	Param 1 of 3
pH (pH units)	GWC-20R	7.9	7.3	3/12/2019	7.63	No	8	0	No	0.000342	Param 1 of 3
pH (pH units)	GWC-21R	7.4	6.8	3/11/2019	6.95	No	8	0	No	0.000342	Param 1 of 3
pH (pH units)	GWC-22R	7.9	7.5	3/11/2019	7.51	No	8	0	No	0.000342	Param 1 of 3
pH (pH units)	GWC-23R	7.7	7	3/12/2019	7.42	No	8	0	No	0.000342	Param 1 of 3
pH (pH units)	GWC-24R	8	6.8	3/8/2019	7.65	No	8	0	No	0.000342	Param 1 of 3
pH (pH units)	GWC-25R	7.8	7.2	3/8/2019	7.69	No	8	0	No	0.000342	Param 1 of 3
Sulfate (mg/L)	GWC-16R	13	n/a	3/11/2019	11	No	8	0	No	0.000...	Param 1 of 3
<b>Sulfate (mg/L)</b>	<b>GWC-17R</b>	<b>9.3</b>	<b>n/a</b>	<b>3/12/2019</b>	<b>25.9</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>ln(x)</b>	<b>0.000...</b>	Param 1 of 3
Sulfate (mg/L)	GWC-18	2.5	n/a	3/12/2019	2.3	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-18R	2.6	n/a	3/12/2019	2.6	No	7	0	No	0.000...	Param 1 of 3
<b>Sulfate (mg/L)</b>	<b>GWC-19R</b>	<b>3.7</b>	<b>n/a</b>	<b>3/12/2019</b>	<b>4.3</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Sulfate (mg/L)	GWC-20R	1.9	n/a	3/12/2019	1.5	No	8	0	x^2	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-21R	6.3	n/a	3/11/2019	3.4	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-22R	2.6	n/a	3/11/2019	2	No	7	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-23R	27	n/a	3/12/2019	17.7	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-24R	15	n/a	3/8/2019	1.9	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-25R	2	n/a	3/8/2019	1.6	No	8	0	No	0.000...	Param 1 of 3
<b>Total Dissolved Solids (mg/l)</b>	<b>GWC-16R</b>	<b>340</b>	<b>n/a</b>	<b>3/11/2019</b>	<b>344</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-17R	390	n/a	3/12/2019	306	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-18	140	n/a	3/12/2019	135	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-18R	190	n/a	3/12/2019	143	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-19R	240	n/a	3/12/2019	156	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-20R	220	n/a	3/12/2019	191	No	7	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-21R	430	n/a	3/11/2019	311	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-22R	200	n/a	3/11/2019	166	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-23R	360	n/a	3/12/2019	310	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-24R	220	n/a	3/8/2019	164	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-25R	200	n/a	3/8/2019	155	No	8	0	No	0.000...	Param 1 of 3

Within Limit

Prediction Limit  
Intrawell Parametric

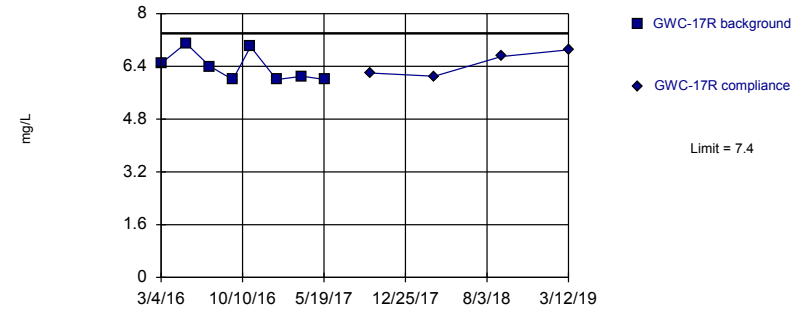


Background Data Summary: Mean=1.86, Std. Dev.=0.3417, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9264, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 8/28/2019 1:04 PM View: Cells3&4\_ApplIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

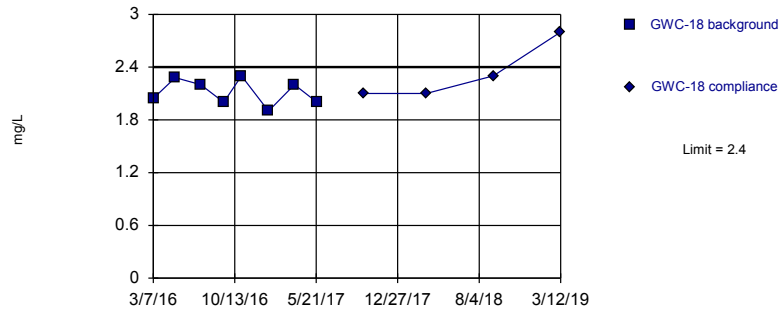


Background Data Summary: Mean=6.386, Std. Dev.=0.4515, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8243, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 8/28/2019 1:04 PM View: Cells3&4\_ApplIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

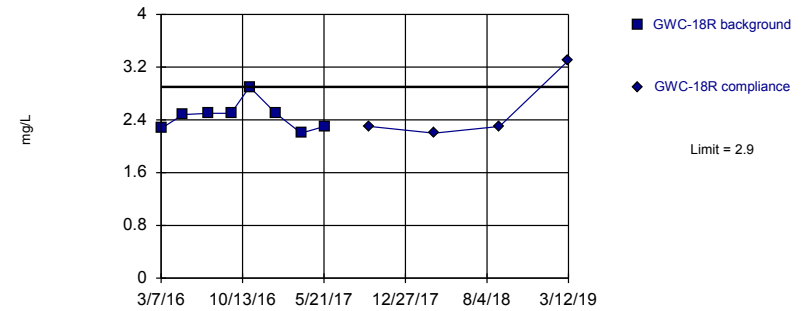


Background Data Summary: Mean=2.116, Std. Dev.=0.1481, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9123, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_ApplIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.456, Std. Dev.=0.2165, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8642, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_ApplIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 1:07 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
3/3/2016	1.3707 (D)	
5/10/2016	1.41	
7/13/2016	1.7	
9/15/2016	1.9	
11/2/2016	2.3	
1/11/2017	2	
3/20/2017	2.2	
5/23/2017	2	
9/21/2017		2.3
3/14/2018		2.1
9/7/2018		2.1
3/11/2019		2.4

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 1:07 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
3/4/2016	6.4905	
5/10/2016	7.1	
7/14/2016	6.4	
9/14/2016	6	
11/1/2016	7	
1/11/2017	6	
3/21/2017	6.1	
5/23/2017	6	
9/22/2017		6.2
3/14/2018		6.1
9/11/2018		6.7
3/12/2019		6.9

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 1:07 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
3/7/2016	2.0446	
5/5/2016	2.28	
7/13/2016	2.2	
9/13/2016	2	
10/31/2016	2.3	
1/12/2017	1.9	
3/23/2017	2.2	
5/23/2017	2	
9/25/2017		2.1
3/14/2018		2.1
9/11/2018		2.3
3/12/2019		2.8

# Prediction Limit

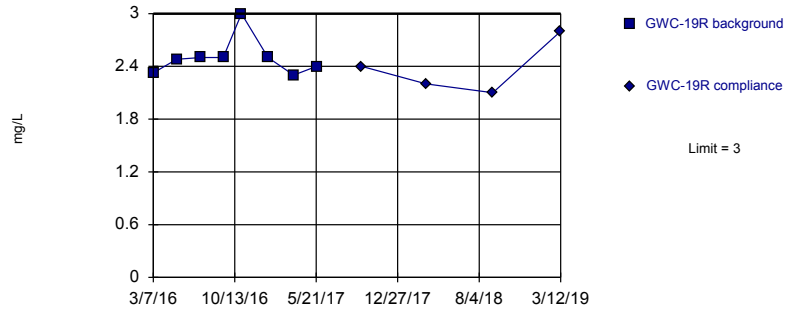
Constituent: Chloride (mg/L) Analysis Run 8/28/2019 1:07 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
3/7/2016	2.2698	
5/5/2016	2.48	
7/13/2016	2.5	
9/12/2016	2.5	
11/1/2016	2.9	
1/11/2017	2.5	
3/20/2017	2.2	
5/22/2017	2.3	
9/21/2017		2.3
3/14/2018		2.2
9/7/2018		2.3
3/12/2019		3.3

Within Limit

Prediction Limit  
Intrawell Parametric

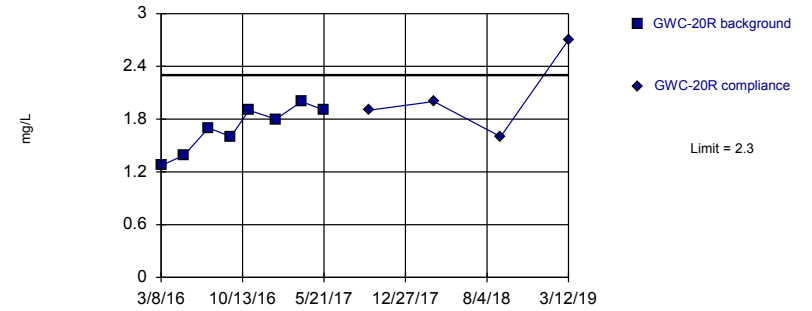


Background Data Summary (based on square root transformation): Mean=1.58, Std. Dev.=0.06671, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7624, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

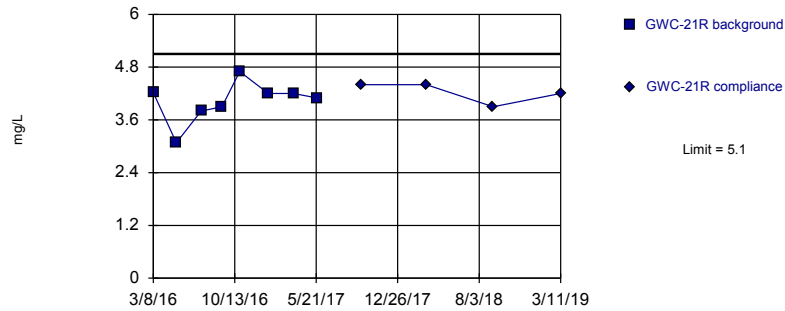


Background Data Summary: Mean=1.695, Std. Dev.=0.2594, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9282, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

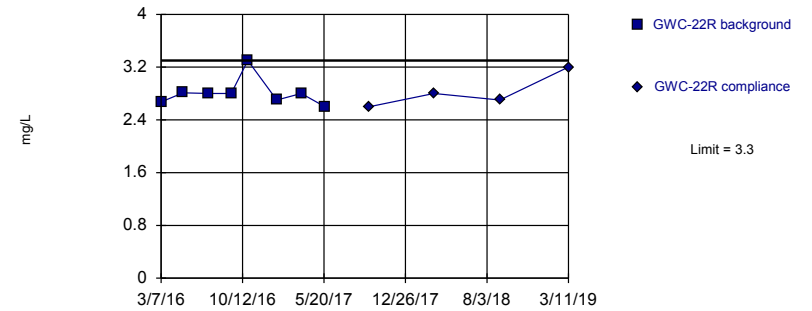


Background Data Summary: Mean=4.025, Std. Dev.=0.4659, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9022, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.675, Std. Dev.=0.06163, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7573, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 1:07 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
3/7/2016	2.3254	
5/9/2016	2.48	
7/14/2016	2.5	
9/12/2016	2.5	
10/31/2016	3	
1/11/2017	2.5	
3/21/2017	2.3	
5/22/2017	2.4	
9/20/2017		2.4
3/14/2018		2.2
9/10/2018		2.1
3/12/2019		2.8

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 1:07 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
3/8/2016	1.2699	
5/9/2016	1.39	
7/14/2016	1.7	
9/12/2016	1.6	
10/31/2016	1.9	
1/12/2017	1.8	
3/22/2017	2	
5/22/2017	1.9	
9/19/2017		1.9
3/14/2018		2
9/10/2018		1.6
3/12/2019		2.7

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 1:07 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
3/8/2016	4.2184	
5/9/2016	3.08	
7/15/2016	3.8	
9/9/2016	3.9	
10/27/2016	4.7	
1/12/2017	4.2	
3/21/2017	4.2	
5/23/2017	4.1	
9/19/2017		4.4
3/14/2018		4.4
9/10/2018		3.9
3/11/2019		4.2



# Prediction Limit

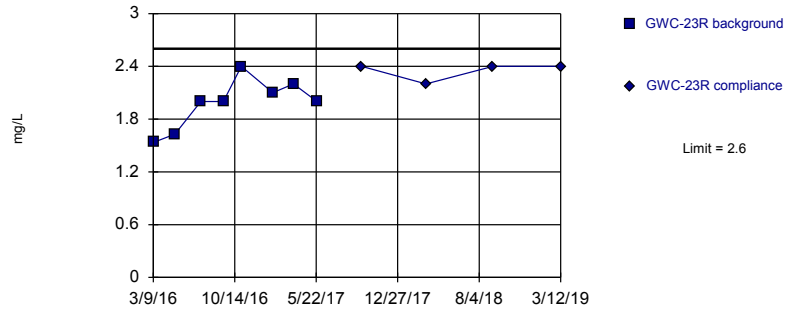
Constituent: Chloride (mg/L) Analysis Run 8/28/2019 1:07 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
3/7/2016	2.6729	
5/5/2016	2.81	
7/14/2016	2.8	
9/12/2016	2.8	
10/27/2016	3.3	
1/13/2017	2.7	
3/20/2017	2.8	
5/23/2017	2.6	
9/19/2017		2.6
3/13/2018		2.8
9/7/2018		2.7
3/11/2019		3.2

Within Limit

Prediction Limit  
Intrawell Parametric

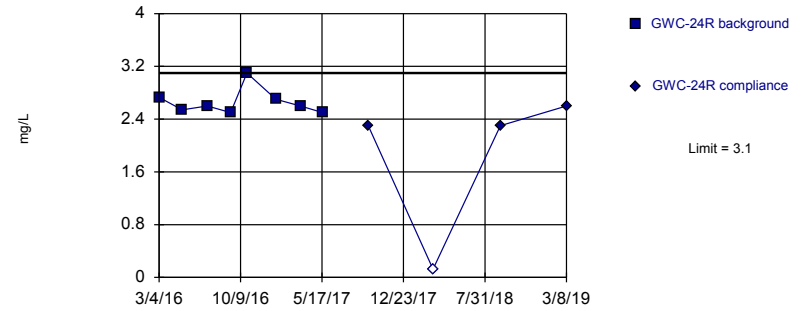


Background Data Summary: Mean=1.983, Std. Dev.=0.2831, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9276, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

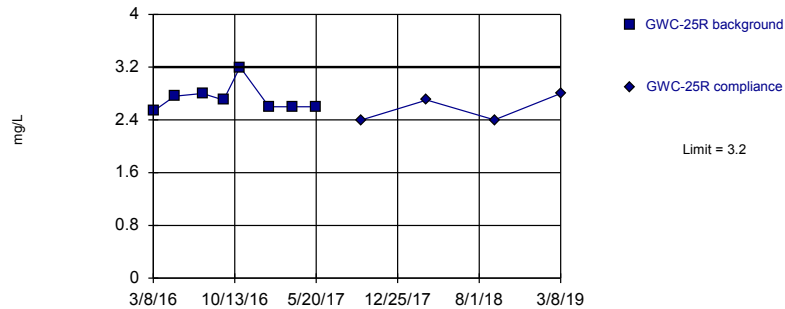


Background Data Summary: Mean=2.659, Std. Dev.=0.1974, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7876, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

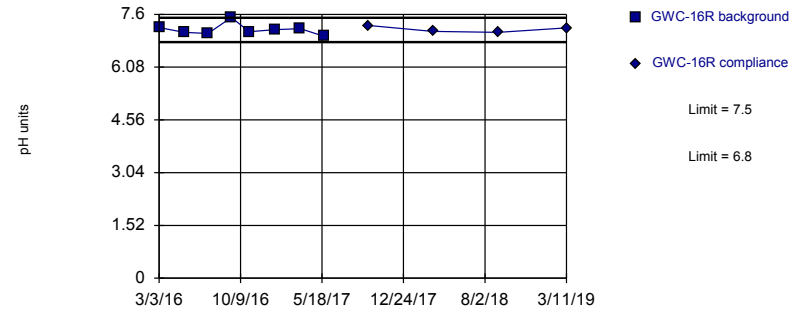


Background Data Summary: Mean=2.724, Std. Dev.=0.213, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7927, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=7.16, Std. Dev.=0.1627, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8775, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 1:07 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
3/9/2016	1.5349	
5/6/2016	1.63	
7/15/2016	2	
9/14/2016	2	
11/1/2016	2.4	
1/25/2017	2.1	
3/22/2017	2.2	
5/24/2017	2	
9/21/2017		2.4
3/14/2018		2.2
9/11/2018		2.4
3/12/2019		2.4

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 1:07 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
3/4/2016	2.7291	
5/5/2016	2.54	
7/12/2016	2.6	
9/13/2016	2.5	
10/27/2016	3.1	
1/13/2017	2.7	
3/20/2017	2.6	
5/19/2017	2.5	
9/19/2017		2.3
3/13/2018		<0.25
9/11/2018		2.3
3/8/2019		2.6

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 1:07 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
3/8/2016	2.5307	
5/4/2016	2.76	
7/18/2016	2.8	
9/13/2016	2.7	
10/27/2016	3.2	
1/13/2017	2.6	
3/16/2017	2.6	
5/19/2017	2.6	
9/19/2017		2.4
3/13/2018		2.7
9/11/2018		2.4
3/8/2019		2.8

# Prediction Limit

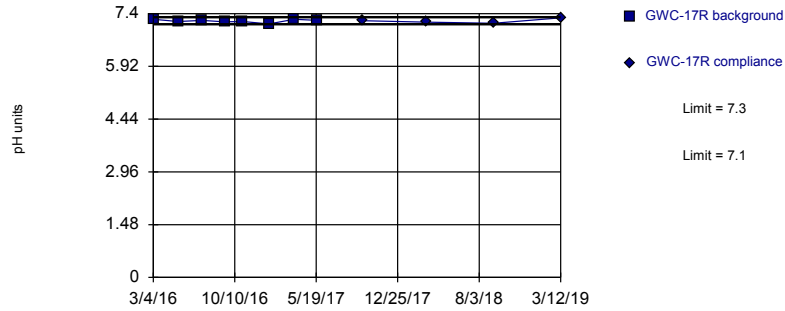
Constituent: pH (pH units) Analysis Run 8/28/2019 1:07 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
3/3/2016	7.22 (D)	
5/10/2016	7.08	
7/13/2016	7.05	
9/15/2016	7.51	
11/2/2016	7.1	
1/11/2017	7.16	
3/20/2017	7.19	
5/23/2017	6.97	
9/21/2017		7.28
3/14/2018		7.11
9/7/2018		7.08
3/11/2019		7.21

Within Limits

Prediction Limit  
Intrawell Parametric

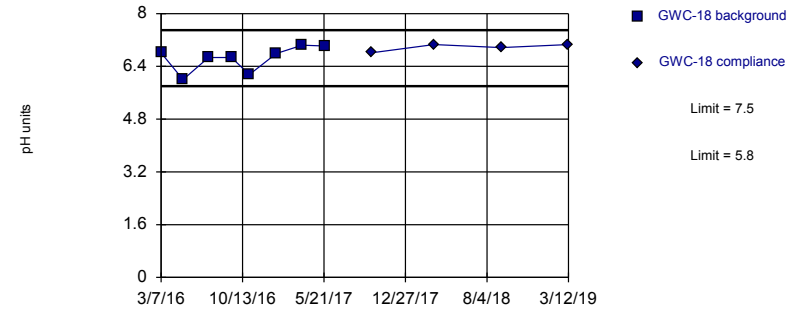


Background Data Summary: Mean=7.193, Std. Dev.=0.04268, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9104, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

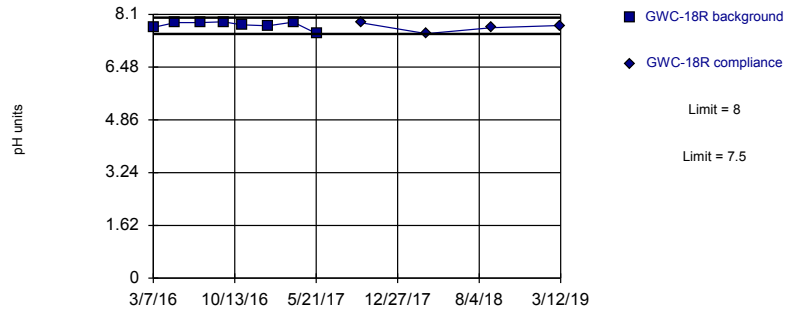


Background Data Summary: Mean=6.644, Std. Dev.=0.3793, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8695, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

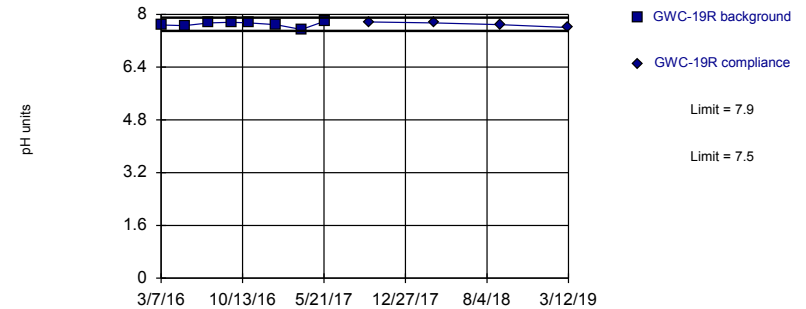


Background Data Summary: Mean=7.771, Std. Dev.=0.1218, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8087, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=7.7, Std. Dev.=0.07801, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9037, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
3/4/2016	7.24	
5/10/2016	7.18	
7/14/2016	7.21	
9/13/2016	7.17	
11/1/2016	7.18	
1/11/2017	7.11	
3/21/2017	7.24	
5/23/2017	7.21	
9/22/2017		7.2
3/14/2018		7.16
9/11/2018		7.13
3/12/2019		7.28



# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
3/7/2016	6.81	
5/5/2016	6	
7/13/2016	6.67	
9/13/2016	6.67	
10/31/2016	6.15	
1/12/2017	6.79	
3/23/2017	7.04	
5/23/2017	7.02	
9/25/2017		6.81
3/14/2018		7.06
9/11/2018		6.97
3/12/2019		7.06

# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
3/7/2016	7.7	
5/5/2016	7.85	
7/13/2016	7.85	
9/12/2016	7.87	
11/1/2016	7.78	
1/11/2017	7.75	
3/20/2017	7.86	
5/22/2017	7.51	
9/21/2017		7.84
3/14/2018		7.51
9/7/2018		7.69
3/12/2019		7.76

# Prediction Limit

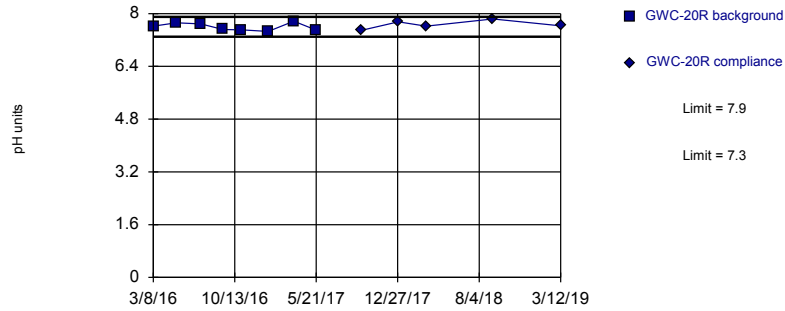
Constituent: pH (pH units) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
3/7/2016	7.68	
5/9/2016	7.66	
7/14/2016	7.74	
9/12/2016	7.76	
10/31/2016	7.74	
1/11/2017	7.69	
3/21/2017	7.54	
5/22/2017	7.79	
9/20/2017		7.77
3/14/2018		7.74
9/10/2018		7.69
3/12/2019		7.6

Within Limits

Prediction Limit  
Intrawell Parametric

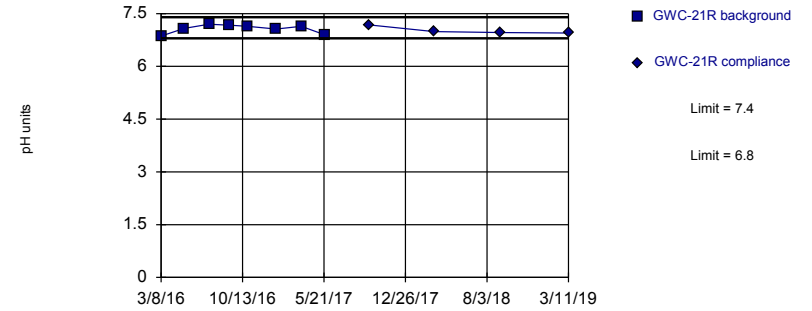


Background Data Summary: Mean=7.599, Std. Dev.=0.117, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9027, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

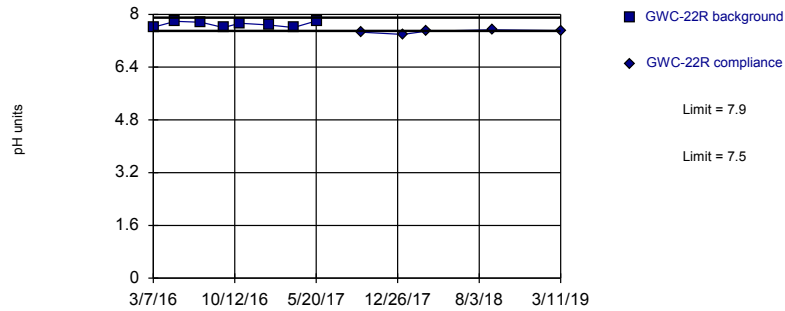


Background Data Summary: Mean=7.069, Std. Dev.=0.1253, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8661, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

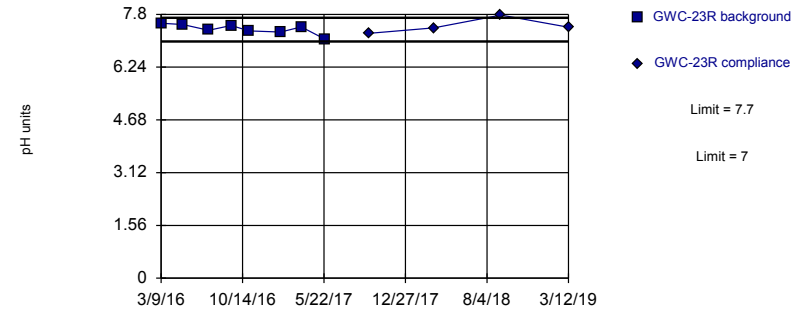


Background Data Summary: Mean=7.698, Std. Dev.=0.08714, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8791, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=7.366, Std. Dev.=0.1524, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9238, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
3/8/2016	7.62	
5/9/2016	7.72	
7/14/2016	7.69	
9/12/2016	7.52	
10/31/2016	7.51	
1/12/2017	7.46	
3/22/2017	7.77	
5/22/2017	7.5	
9/19/2017		7.49
12/29/2017		7.75 (Y)
3/14/2018		7.62
9/10/2018		7.84
3/12/2019		7.63

# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
3/8/2016	6.86	
5/9/2016	7.08	
7/15/2016	7.2	
9/9/2016	7.17	
10/27/2016	7.14	
1/12/2017	7.06	
3/21/2017	7.14	
5/23/2017	6.9	
9/19/2017		7.18
3/14/2018		6.99
9/10/2018		6.96
3/11/2019		6.95

# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
3/7/2016	7.61	
5/5/2016	7.79	
7/14/2016	7.76	
9/12/2016	7.6	
10/27/2016	7.73	
1/13/2017	7.68	
3/20/2017	7.6	
5/23/2017	7.81	
9/19/2017		7.46
1/9/2018		7.39 (Y)
3/13/2018		7.49
9/7/2018		7.53
3/11/2019		7.51

# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

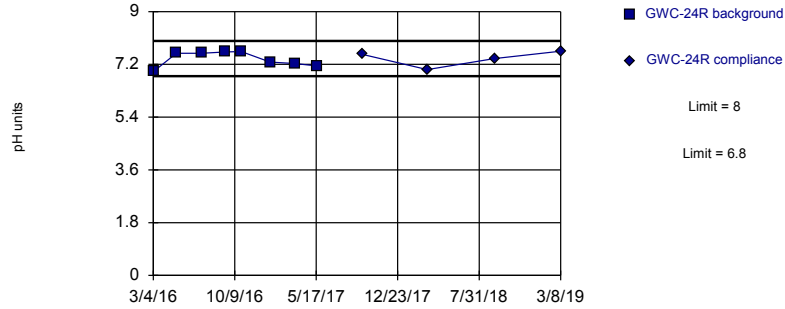
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	GWC-23R	GWC-23R
3/9/2016	7.54	
5/6/2016	7.5	
7/15/2016	7.33	
9/14/2016	7.47	
11/1/2016	7.31	
1/25/2017	7.28	
3/22/2017	7.43	
5/24/2017	7.07	
9/21/2017		7.24
3/14/2018		7.4
9/11/2018		7.78
3/12/2019		7.42



Within Limits

Prediction Limit  
Intrawell Parametric

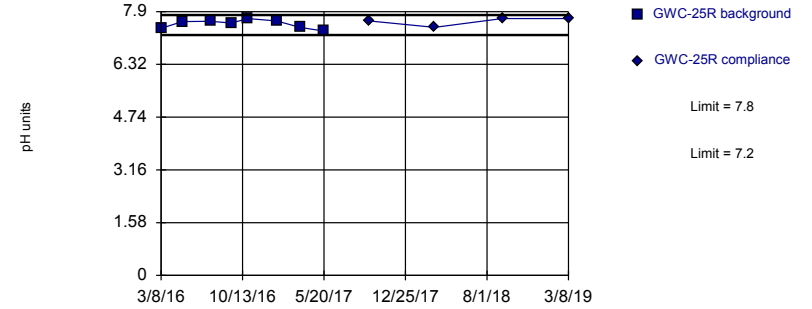


Background Data Summary: Mean=7.379, Std. Dev.=0.2606, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8726, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

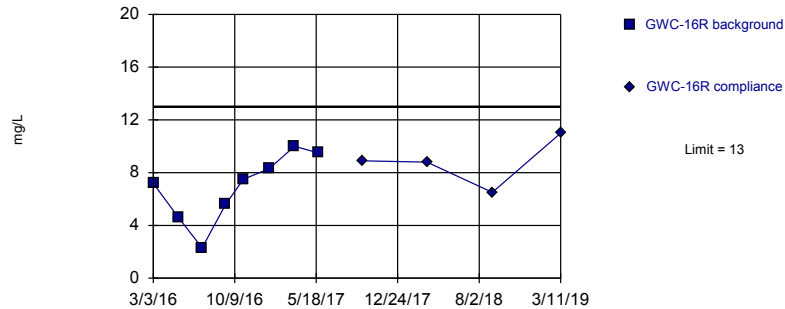


Background Data Summary: Mean=7.529, Std. Dev.=0.1292, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9156, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

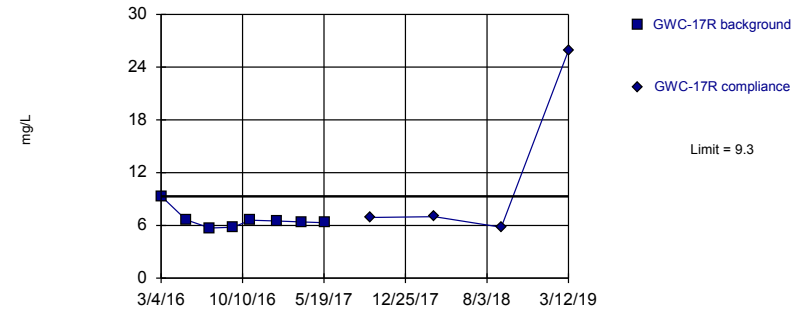


Background Data Summary: Mean=6.873, Std. Dev.=2.589, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9568, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.885, Std. Dev.=0.1523, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7603, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
3/4/2016	6.95	
5/5/2016	7.58	
7/12/2016	7.58	
9/13/2016	7.62	
10/27/2016	7.64	
1/13/2017	7.28	
3/20/2017	7.23	
5/19/2017	7.15	
9/19/2017		7.54
3/13/2018		7.02
9/11/2018		7.4
3/8/2019		7.65

# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
3/8/2016	7.4	
5/4/2016	7.6	
7/18/2016	7.61	
9/13/2016	7.56	
10/27/2016	7.69	
1/13/2017	7.62	
3/16/2017	7.43	
5/19/2017	7.32	
9/19/2017		7.62
3/13/2018		7.43
9/11/2018		7.69
3/8/2019		7.69

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
3/3/2016	7.1809 (D)	
5/10/2016	4.6	
7/13/2016	2.3	
9/15/2016	5.6	
11/2/2016	7.5	
1/11/2017	8.3	
3/20/2017	10	
5/23/2017	9.5	
9/21/2017		8.9
3/14/2018		8.8
9/7/2018		6.5
3/11/2019		11

# Prediction Limit

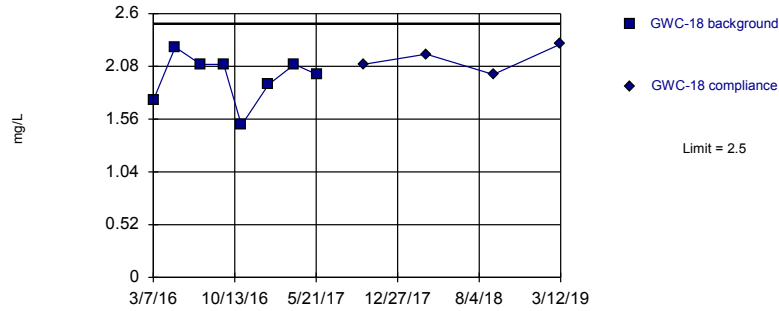
Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
3/4/2016	9.3417	
5/10/2016	6.65	
7/14/2016	5.7	
9/14/2016	5.8	
11/1/2016	6.6	
1/11/2017	6.5	
3/21/2017	6.4	
5/23/2017	6.3	
9/22/2017		6.9
3/14/2018		7
9/11/2018		5.8
3/12/2019		25.9

Within Limit

Prediction Limit  
Intrawell Parametric

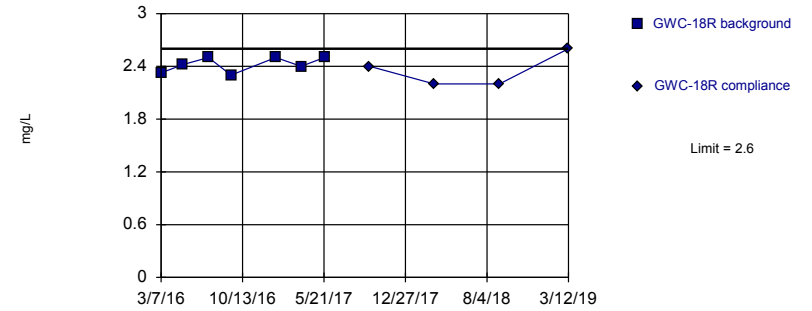


Background Data Summary: Mean=1.965, Std. Dev.=0.2441, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9166, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

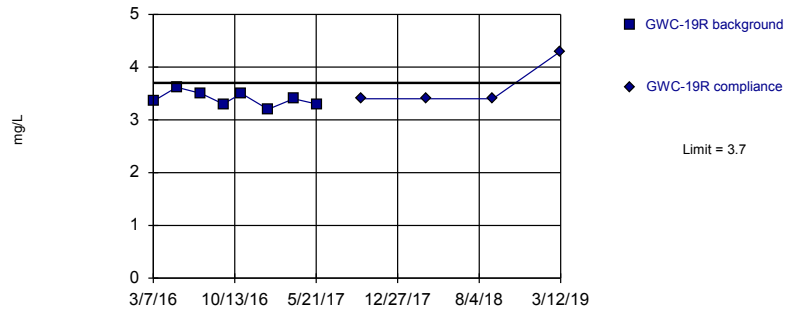


Background Data Summary: Mean=2.421, Std. Dev.=0.08453, n=7. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8552, critical = 0.73. Kappa = 2.527 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

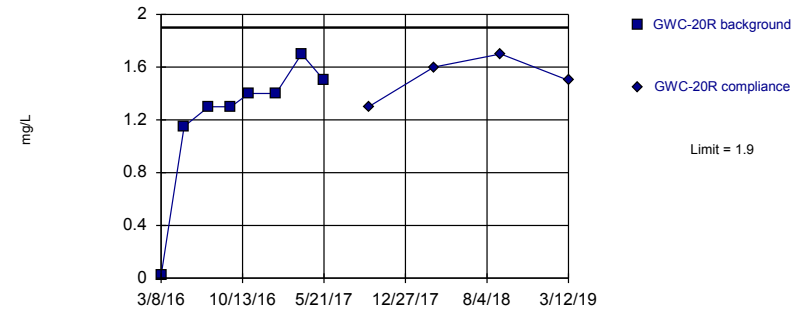


Background Data Summary: Mean=3.397, Std. Dev.=0.1364, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9662, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 8/28/2019 1:05 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square transformation): Mean=1.72, Std. Dev.=0.8351, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9072, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
3/7/2016	1.7468	
5/5/2016	2.27	
7/13/2016	2.1	
9/13/2016	2.1	
10/31/2016	1.5	
1/12/2017	1.9	
3/23/2017	2.1	
5/23/2017	2	
9/25/2017		2.1
3/14/2018		2.2
9/11/2018		2
3/12/2019		2.3

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
3/7/2016	2.3258	
5/5/2016	2.42	
7/13/2016	2.5	
9/12/2016	2.3	
1/11/2017	2.5	
3/20/2017	2.4	
5/22/2017	2.5	
9/21/2017		2.4
3/14/2018		2.2
9/7/2018		2.2
3/12/2019		2.6



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
3/7/2016	3.3556	
5/9/2016	3.62	
7/14/2016	3.5	
9/12/2016	3.3	
10/31/2016	3.5	
1/11/2017	3.2	
3/21/2017	3.4	
5/22/2017	3.3	
9/20/2017		3.4
3/14/2018		3.4
9/10/2018		3.4
3/12/2019		4.3

# Prediction Limit

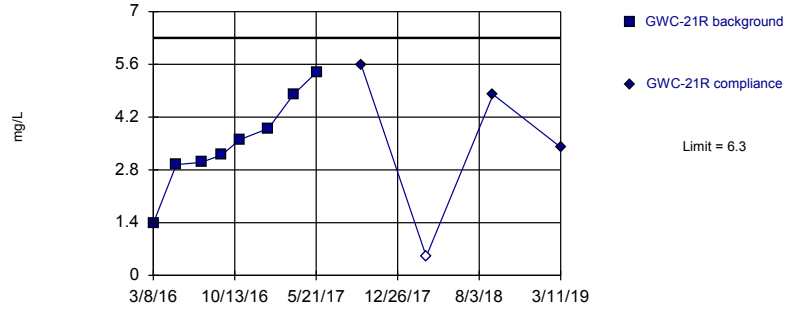
Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
3/8/2016	0.0196 (J)	
5/9/2016	1.15	
7/14/2016	1.3	
9/12/2016	1.3	
10/31/2016	1.4	
1/12/2017	1.4	
3/22/2017	1.7	
5/22/2017	1.5	
9/19/2017		1.3
3/14/2018		1.6
9/10/2018		1.7
3/12/2019		1.5

Within Limit

Prediction Limit  
Intrawell Parametric

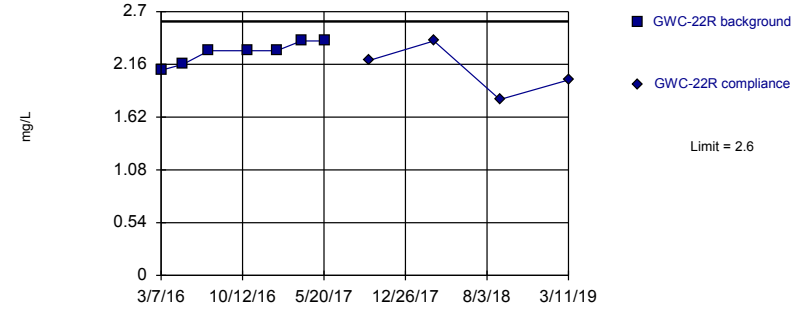


Background Data Summary: Mean=3.528, Std. Dev.=1.23, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9655, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

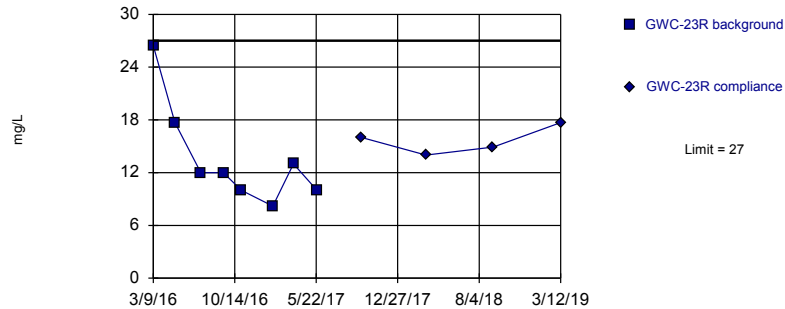


Background Data Summary: Mean=2.28, Std. Dev.=0.1129, n=7. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8783, critical = 0.73. Kappa = 2.527 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

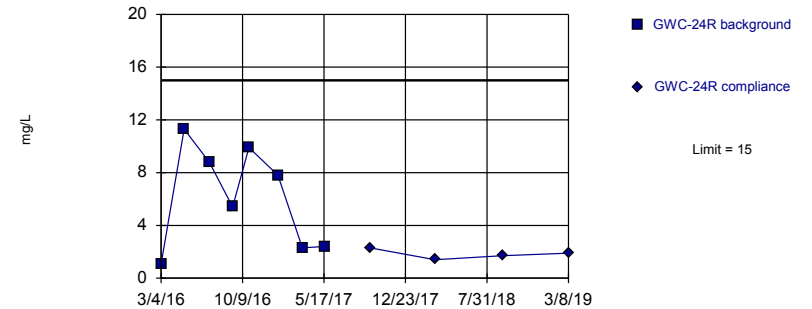


Background Data Summary: Mean=13.67, Std. Dev.=5.88, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8091, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=6.123, Std. Dev.=3.881, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9179, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
3/8/2016	1.3858	
5/9/2016	2.94	
7/15/2016	3	
9/9/2016	3.2	
10/27/2016	3.6	
1/12/2017	3.9	
3/21/2017	4.8	
5/23/2017	5.4	
9/19/2017		5.6
3/14/2018		<1
9/10/2018		4.8
3/11/2019		3.4

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
3/7/2016	2.1008	
5/5/2016	2.16	
7/14/2016	2.3	
10/27/2016	2.3	
1/13/2017	2.3	
3/20/2017	2.4	
5/23/2017	2.4	
9/19/2017		2.2
3/13/2018		2.4
9/7/2018		1.8
3/11/2019		2

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
3/9/2016	26.4322	
5/6/2016	17.7	
7/15/2016	12	
9/14/2016	12	
11/1/2016	10	
1/25/2017	8.2	
3/22/2017	13	
5/24/2017	10	
9/21/2017		16
3/14/2018		14
9/11/2018		14.9
3/12/2019		17.7

# Prediction Limit

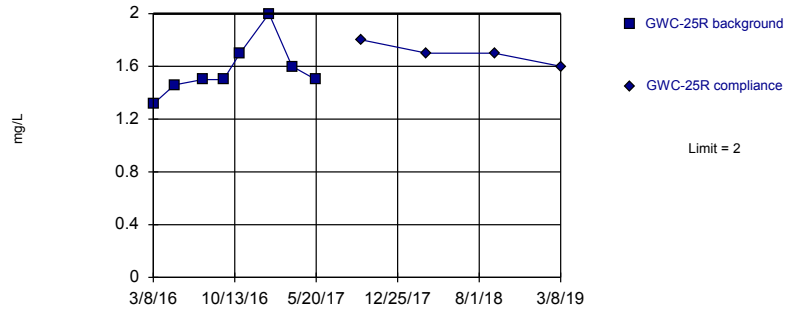
Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
3/4/2016	1.0816	
5/5/2016	11.3	
7/12/2016	8.8	
9/13/2016	5.4	
10/27/2016	9.9	
1/13/2017	7.8	
3/20/2017	2.3	
5/19/2017	2.4	
9/19/2017		2.3
3/13/2018		1.4
9/11/2018		1.7
3/8/2019		1.9

Within Limit

Prediction Limit  
Intrawell Parametric

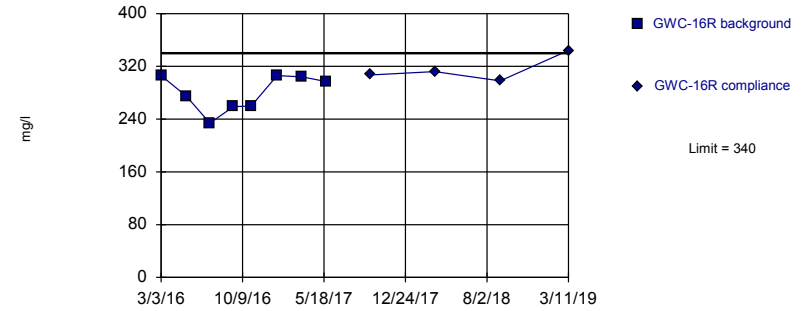


Background Data Summary: Mean=1.572, Std. Dev.=0.205, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8756, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

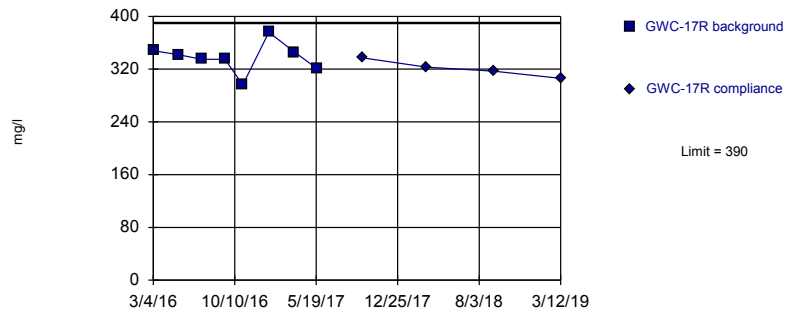


Background Data Summary: Mean=280.1, Std. Dev.=27.25, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8725, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

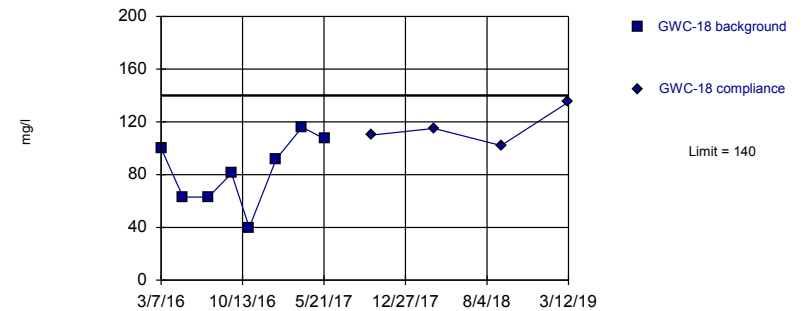


Background Data Summary: Mean=337.3, Std. Dev.=23.07, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.953, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=82.75, Std. Dev.=25.88, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9572, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
3/8/2016	1.3157	
5/4/2016	1.46	
7/18/2016	1.5	
9/13/2016	1.5	
10/27/2016	1.7	
1/13/2017	2	
3/16/2017	1.6	
5/19/2017	1.5	
9/19/2017		1.8
3/13/2018		1.7
9/11/2018		1.7
3/8/2019		1.6

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R	GWC-16R
3/3/2016	306 (D)	
5/10/2016	275 (D)	
7/13/2016	234 (D)	
9/15/2016	259 (D)	
11/2/2016	260 (D)	
1/11/2017	306	
3/20/2017	304	
5/23/2017	297	
9/21/2017		307
3/14/2018		312
9/7/2018		298
3/11/2019		344

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R	GWC-17R
3/4/2016	348 (D)	
5/10/2016	342 (D)	
7/14/2016	335 (D)	
9/14/2016	335 (D)	
11/1/2016	296 (D)	
1/11/2017	376	
3/21/2017	346	
5/23/2017	320	
9/22/2017		337
3/14/2018		323
9/11/2018		317
3/12/2019		306

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell

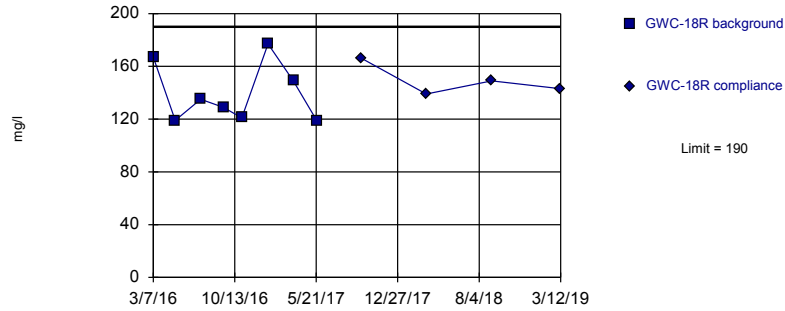
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18	GWC-18
3/7/2016	100 (D)	
5/5/2016	63 (D)	
7/13/2016	63 (D)	
9/13/2016	81 (D)	
10/31/2016	40 (D)	
1/12/2017	92	
3/23/2017	116	
5/23/2017	107	
9/25/2017		110
3/14/2018		115
9/11/2018		102
3/12/2019		135 (X)

Within Limit

Prediction Limit  
Intrawell Parametric

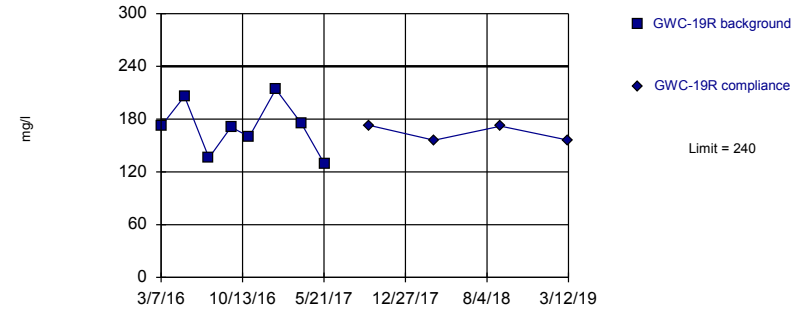


Background Data Summary: Mean=139.5, Std. Dev.=22.57, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.864, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

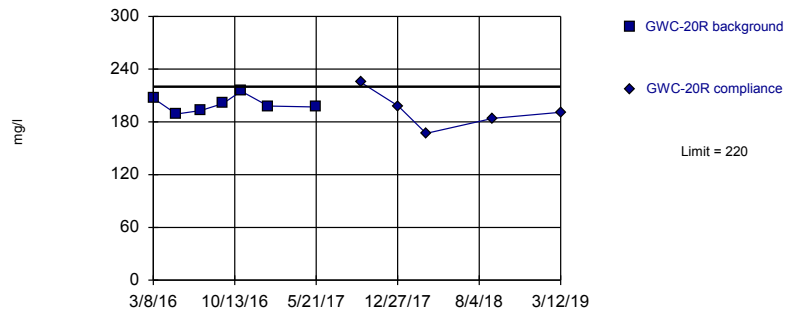


Background Data Summary: Mean=170.4, Std. Dev.=29.76, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9383, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

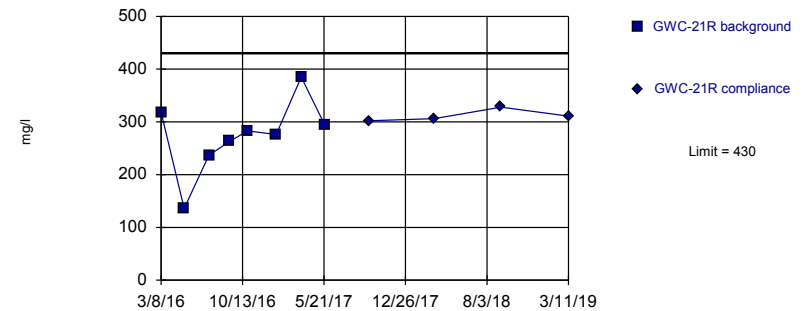


Background Data Summary: Mean=200, Std. Dev.=8.737, n=7. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9638, critical = 0.73. Kappa = 2.527 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=274, Std. Dev.=70.99, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9402, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R	GWC-18R
3/7/2016	167 (D)	
5/5/2016	119 (D)	
7/13/2016	135 (D)	
9/12/2016	129 (D)	
11/1/2016	121 (D)	
1/11/2017	177	
3/20/2017	149	
5/22/2017	119	
9/21/2017		166
3/14/2018		139
9/7/2018		149
3/12/2019		143 (X)

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R	GWC-19R
3/7/2016	172 (D)	
5/9/2016	206 (D)	
7/14/2016	136 (D)	
9/12/2016	171 (D)	
10/31/2016	160 (D)	
1/11/2017	214	
3/21/2017	175 (J)	
5/22/2017	129	
9/20/2017		173
3/14/2018		156
9/10/2018		172
3/12/2019		156 (X)

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-20R	GWC-20R
3/8/2016	207 (D)	
5/9/2016	189 (D)	
7/14/2016	193 (D)	
9/12/2016	201 (D)	
10/31/2016	215 (D)	
1/12/2017	198	
5/22/2017	197	
9/19/2017		225
12/29/2017		198 (Y)
3/14/2018		167
9/10/2018		184
3/12/2019		191 (X)



# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell

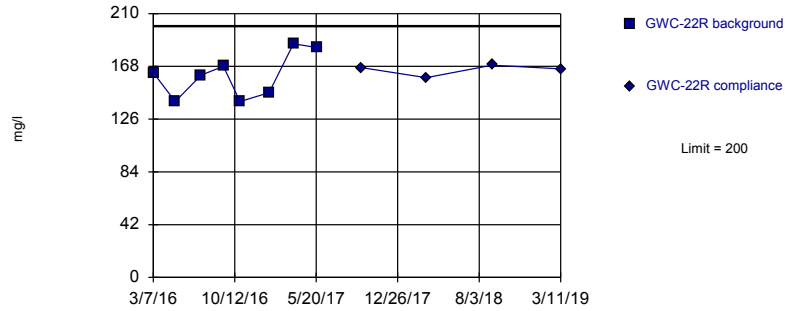
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-21R	GWC-21R
3/8/2016	318 (D)	
5/9/2016	136 (D)	
7/15/2016	237 (D)	
9/9/2016	263 (D)	
10/27/2016	283 (D)	
1/12/2017	276	
3/21/2017	385	
5/23/2017	294	
9/19/2017		302
3/14/2018		306
9/10/2018		328
3/11/2019		311

Within Limit

Prediction Limit  
Intrawell Parametric

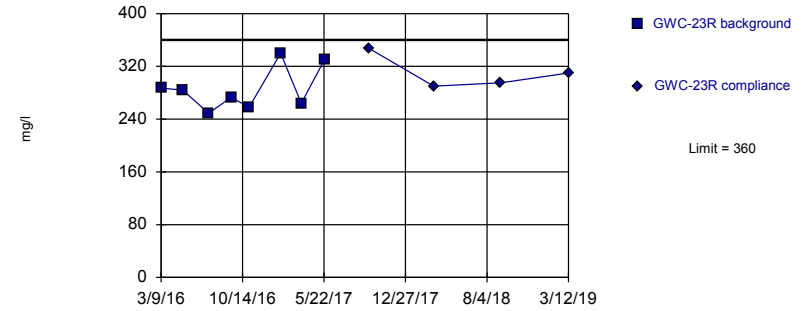


Background Data Summary: Mean=161, Std. Dev.=17.89, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9128, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

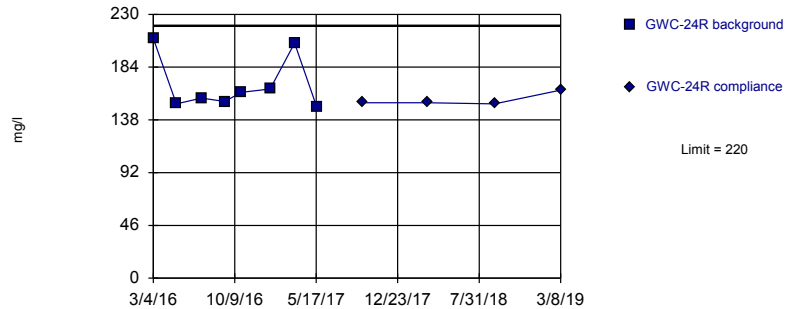


Background Data Summary: Mean=285.8, Std. Dev.=33.28, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8844, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

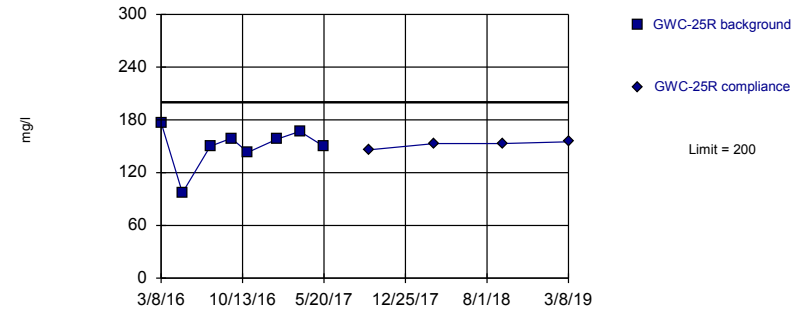


Background Data Summary: Mean=169.1, Std. Dev.=23.96, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7604, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=150.1, Std. Dev.=23.97, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8374, critical = 0.749. Kappa = 2.256 (c=7, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:06 PM View: Cells3&4\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-22R	GWC-22R
3/7/2016	163 (D)	
5/5/2016	140 (D)	
7/14/2016	161 (D)	
9/12/2016	168 (D)	
10/27/2016	140 (D)	
1/13/2017	147 (J)	
3/20/2017	186	
5/23/2017	183	
9/19/2017		167
3/13/2018		159
9/7/2018		169
3/11/2019		166

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-23R	GWC-23R
3/9/2016	287 (D)	
5/6/2016	284 (D)	
7/15/2016	249 (D)	
9/14/2016	273 (D)	
11/1/2016	258 (D)	
1/25/2017	340	
3/22/2017	264	
5/24/2017	331	
9/21/2017		347
3/14/2018		290
9/11/2018		295
3/12/2019		310 (X)

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-24R	GWC-24R
3/4/2016	209 (D)	
5/5/2016	152 (D)	
7/12/2016	157 (D)	
9/13/2016	154 (D)	
10/27/2016	162 (D)	
1/13/2017	165	
3/20/2017	205 (J)	
5/19/2017	149	
9/19/2017		153
3/13/2018		153
9/11/2018		152
3/8/2019		164

# Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 1:08 PM View: Cells3&4\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-25R	GWC-25R
3/8/2016	177 (D)	
5/4/2016	97 (D)	
7/18/2016	150 (D)	
9/13/2016	159 (D)	
10/27/2016	143 (D)	
1/13/2017	158	
3/16/2017	167	
5/19/2017	150	
9/19/2017		146
3/13/2018		153
9/11/2018		153
3/8/2019		155

# Trend Test - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/28/2019, 10:46 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	GWA-36 (bg)	-0.00...	-89	-78	Yes	21	90.48	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-36R (bg)	-0.00...	-108	-78	Yes	21	100	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-38 (bg)	-0.00...	-108	-78	Yes	21	100	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-52 (bg)	-0.00...	-108	-78	Yes	21	100	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-53 (bg)	-0.00...	-92	-78	Yes	21	80.95	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-54 (bg)	-0.00...	-121	-78	Yes	21	90.48	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-55 (bg)	-0.00...	-97	-78	Yes	21	95.24	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-55R (bg)	-0.00...	-106	-78	Yes	21	80.95	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-56 (bg)	-0.00...	-95	-78	Yes	21	95.24	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-36 (bg)	0.002134	115	78	Yes	21	4.762	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-38 (bg)	-0.00...	-128	-78	Yes	21	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-52 (bg)	-0.00...	-122	-78	Yes	21	4.762	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-53 (bg)	-0.00...	-162	-78	Yes	21	4.762	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-53R (bg)	0.000...	81	78	Yes	21	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-55R (bg)	-0.00...	-86	-78	Yes	21	4.762	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-56 (bg)	0.004478	120	78	Yes	21	4.762	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-36 (bg)	-3.109	-32	-31	Yes	11	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-37 (bg)	-0.08034	-45	-35	Yes	12	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-56 (bg)	-5.368	-38	-35	Yes	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-37 (bg)	-0.1098	-37	-35	Yes	12	8.333	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-54 (bg)	-0.2358	-42	-35	Yes	12	8.333	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-55R (bg)	0.2467	43	35	Yes	12	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-36 (bg)	-0.2132	-42	-35	Yes	12	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-37 (bg)	-0.1367	-40	-35	Yes	12	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-56 (bg)	0.1063	46	39	Yes	13	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.5177	-38	-31	Yes	11	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-37 (bg)	-0.2275	-43	-31	Yes	11	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.393	-58	-35	Yes	12	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-52 (bg)	11.61	34	31	Yes	11	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	24.14	46	35	Yes	12	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-56 (bg)	54.77	36	35	Yes	12	0	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-36 (bg)	0.1003	84	53	Yes	16	0	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-52 (bg)	0.000...	58	53	Yes	16	56.25	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-53R (bg)	0.000...	61	53	Yes	16	43.75	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-55 (bg)	0.001022	59	53	Yes	16	68.75	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-51R_5...	-0.00...	-62	-48	Yes	15	33.33	n/a	n/a	0.02	NP

# Trend Test - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/28/2019, 10:46 AM

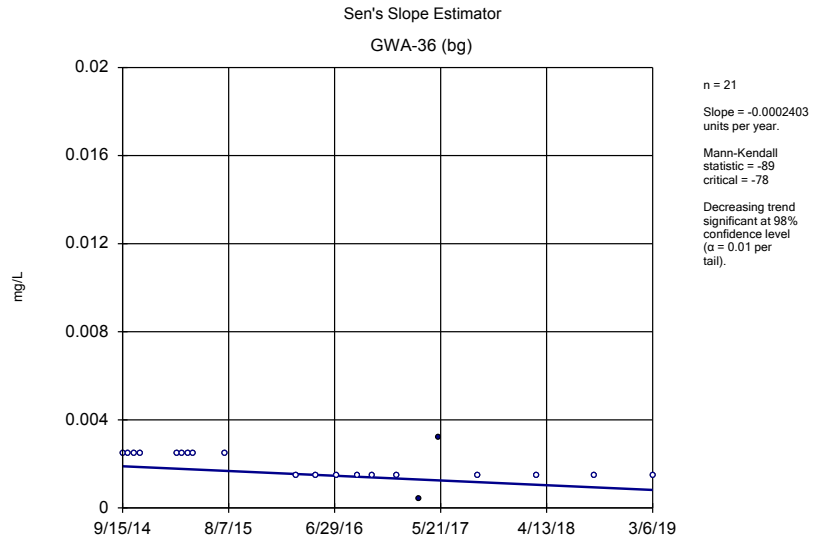
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
<b>Antimony (mg/L)</b>	<b>GWA-36 (bg)</b>	<b>-0.00...</b>	<b>-89</b>	<b>-78</b>	<b>Yes</b>	<b>21</b>	<b>90.48</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Antimony (mg/L)</b>	<b>GWA-36R (bg)</b>	<b>-0.00...</b>	<b>-108</b>	<b>-78</b>	<b>Yes</b>	<b>21</b>	<b>100</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Antimony (mg/L)	GWA-37 (bg)	0	-9	-73	No	20	45	n/a	n/a	0.02	NP
<b>Antimony (mg/L)</b>	<b>GWA-38 (bg)</b>	<b>-0.00...</b>	<b>-108</b>	<b>-78</b>	<b>Yes</b>	<b>21</b>	<b>100</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Antimony (mg/L)</b>	<b>GWA-52 (bg)</b>	<b>-0.00...</b>	<b>-108</b>	<b>-78</b>	<b>Yes</b>	<b>21</b>	<b>100</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Antimony (mg/L)</b>	<b>GWA-53 (bg)</b>	<b>-0.00...</b>	<b>-92</b>	<b>-78</b>	<b>Yes</b>	<b>21</b>	<b>80.95</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Antimony (mg/L)	GWA-53R (bg)	0	-20	-73	No	20	60	n/a	n/a	0.02	NP
<b>Antimony (mg/L)</b>	<b>GWA-54 (bg)</b>	<b>-0.00...</b>	<b>-121</b>	<b>-78</b>	<b>Yes</b>	<b>21</b>	<b>90.48</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Antimony (mg/L)</b>	<b>GWA-55 (bg)</b>	<b>-0.00...</b>	<b>-97</b>	<b>-78</b>	<b>Yes</b>	<b>21</b>	<b>95.24</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Antimony (mg/L)</b>	<b>GWA-55R (bg)</b>	<b>-0.00...</b>	<b>-106</b>	<b>-78</b>	<b>Yes</b>	<b>21</b>	<b>80.95</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Antimony (mg/L)</b>	<b>GWA-56 (bg)</b>	<b>-0.00...</b>	<b>-95</b>	<b>-78</b>	<b>Yes</b>	<b>21</b>	<b>95.24</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Antimony (mg/L)	GWA-51R_5...	-0.00...	-60	-78	No	21	66.67	n/a	n/a	0.02	NP
<b>Barium (mg/L)</b>	<b>GWA-36 (bg)</b>	<b>0.002134</b>	<b>115</b>	<b>78</b>	<b>Yes</b>	<b>21</b>	<b>4.762</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Barium (mg/L)	GWA-36R (bg)	0.000...	24	78	No	21	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-37 (bg)	0.000...	7	73	No	20	0	n/a	n/a	0.02	NP
<b>Barium (mg/L)</b>	<b>GWA-38 (bg)</b>	<b>-0.00...</b>	<b>-128</b>	<b>-78</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWA-52 (bg)</b>	<b>-0.00...</b>	<b>-122</b>	<b>-78</b>	<b>Yes</b>	<b>21</b>	<b>4.762</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWA-53 (bg)</b>	<b>-0.00...</b>	<b>-162</b>	<b>-78</b>	<b>Yes</b>	<b>21</b>	<b>4.762</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWA-53R (bg)</b>	<b>0.000...</b>	<b>81</b>	<b>78</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Barium (mg/L)	GWA-54 (bg)	-0.00...	-62	-78	No	21	4.762	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-55 (bg)	-0.00...	-56	-78	No	21	4.762	n/a	n/a	0.02	NP
<b>Barium (mg/L)</b>	<b>GWA-55R (bg)</b>	<b>-0.00...</b>	<b>-86</b>	<b>-78</b>	<b>Yes</b>	<b>21</b>	<b>4.762</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWA-56 (bg)</b>	<b>0.004478</b>	<b>120</b>	<b>78</b>	<b>Yes</b>	<b>21</b>	<b>4.762</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Barium (mg/L)	GWA-51R_5...	0.003057	55	78	No	21	0	n/a	n/a	0.02	NP
<b>Calcium (mg/L)</b>	<b>GWA-36 (bg)</b>	<b>-3.109</b>	<b>-32</b>	<b>-31</b>	<b>Yes</b>	<b>11</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Calcium (mg/L)	GWA-36R (bg)	-1.096	-27	-35	No	12	0	n/a	n/a	0.02	NP
<b>Calcium (mg/L)</b>	<b>GWA-37 (bg)</b>	<b>-0.08034</b>	<b>-45</b>	<b>-35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Calcium (mg/L)	GWA-38 (bg)	-0.212	-6	-35	No	12	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-52 (bg)	-0.2006	-7	-35	No	12	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-53 (bg)	-0.9773	-21	-35	No	12	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-53R (bg)	-0.3345	-12	-35	No	12	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-54 (bg)	-0.8435	-14	-31	No	11	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-55 (bg)	2.908	17	35	No	12	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-55R (bg)	1.274	10	35	No	12	0	n/a	n/a	0.02	NP
<b>Calcium (mg/L)</b>	<b>GWA-56 (bg)</b>	<b>-5.368</b>	<b>-38</b>	<b>-35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Calcium (mg/L)	GWA-51R_5...	3.129	25	35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-36 (bg)	-0.1192	-17	-35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-36R (bg)	-0.1475	-26	-35	No	12	0	n/a	n/a	0.02	NP
<b>Chloride (mg/L)</b>	<b>GWA-37 (bg)</b>	<b>-0.1098</b>	<b>-37</b>	<b>-35</b>	<b>Yes</b>	<b>12</b>	<b>8.333</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Chloride (mg/L)	GWA-38 (bg)	0.09467	19	35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-52 (bg)	0.000...	5	35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-53 (bg)	0	1	35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-53R (bg)	-0.02697	-5	-35	No	12	0	n/a	n/a	0.02	NP
<b>Chloride (mg/L)</b>	<b>GWA-54 (bg)</b>	<b>-0.2358</b>	<b>-42</b>	<b>-35</b>	<b>Yes</b>	<b>12</b>	<b>8.333</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Chloride (mg/L)	GWA-55 (bg)	0.169	23	35	No	12	0	n/a	n/a	0.02	NP
<b>Chloride (mg/L)</b>	<b>GWA-55R (bg)</b>	<b>0.2467</b>	<b>43</b>	<b>35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Chloride (mg/L)	GWA-56 (bg)	0.7573	17	35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-51R_5...	0.1991	30	35	No	12	0	n/a	n/a	0.02	NP
<b>pH (pH units)</b>	<b>GWA-36 (bg)</b>	<b>-0.2132</b>	<b>-42</b>	<b>-35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
pH (pH units)	GWA-36R (bg)	-0.03785	-12	-35	No	12	0	n/a	n/a	0.02	NP



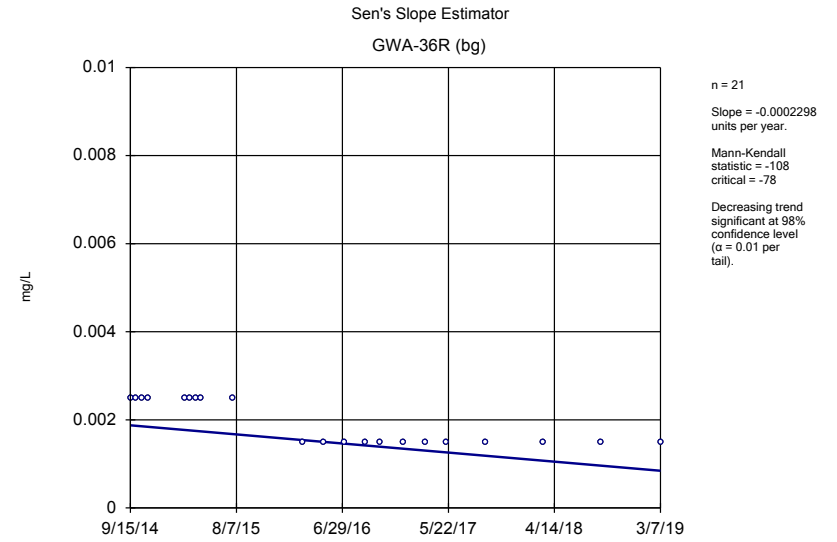
## Trend Test - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&amp;4 CCR Printed 8/28/2019, 10:46 AM

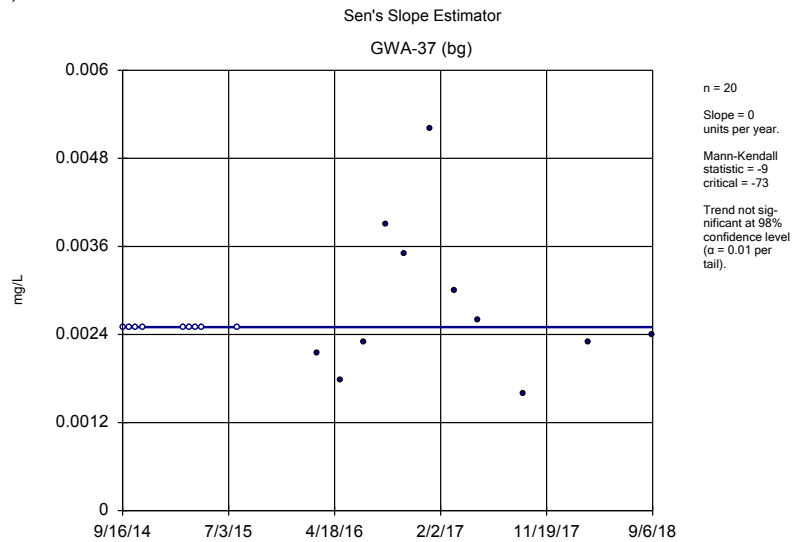
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
<b>pH (pH units)</b>	<b>GWA-37 (bg)</b>	<b>-0.1367</b>	<b>-40</b>	<b>-35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
pH (pH units)	GWA-38 (bg)	-0.03795	-6	-35	No	12	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-52 (bg)	-0.07832	-32	-35	No	12	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-53 (bg)	-0.03961	-21	-35	No	12	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-53R (bg)	-0.01183	-7	-35	No	12	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-54 (bg)	-0.03289	-9	-35	No	12	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-55 (bg)	-0.04102	-8	-35	No	12	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-55R (bg)	-0.05302	-12	-35	No	12	0	n/a	n/a	0.02	NP
<b>pH (pH units)</b>	<b>GWA-56 (bg)</b>	<b>0.1063</b>	<b>46</b>	<b>39</b>	<b>Yes</b>	<b>13</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
pH (pH units)	GWA-51R_5...	0.005275	2	39	No	13	0	n/a	n/a	0.02	NP
<b>Sulfate (mg/L)</b>	<b>GWA-36 (bg)</b>	<b>-0.5177</b>	<b>-38</b>	<b>-31</b>	<b>Yes</b>	<b>11</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Sulfate (mg/L)	GWA-36R (bg)	0.5505	13	35	No	12	0	n/a	n/a	0.02	NP
<b>Sulfate (mg/L)</b>	<b>GWA-37 (bg)</b>	<b>-0.2275</b>	<b>-43</b>	<b>-31</b>	<b>Yes</b>	<b>11</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Sulfate (mg/L)	GWA-38 (bg)	-0.2596	-16	-35	No	12	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-52 (bg)	0.5432	8	35	No	12	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-53 (bg)	0	-6	-35	No	12	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-53R (bg)	0	0	35	No	12	0	n/a	n/a	0.02	NP
<b>Sulfate (mg/L)</b>	<b>GWA-54 (bg)</b>	<b>-1.393</b>	<b>-58</b>	<b>-35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Sulfate (mg/L)	GWA-55 (bg)	-0.661	-2	-35	No	12	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-55R (bg)	1.709	23	35	No	12	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-56 (bg)	15.6	28	35	No	12	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-51R_5...	3.492	33	35	No	12	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-36 (bg)	0.9229	2	31	No	11	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-36R (bg)	2.527	5	35	No	12	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-37 (bg)	0	-1	-31	No	11	36.36	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-38 (bg)	4.965	14	35	No	12	41.67	n/a	n/a	0.02	NP
<b>Total Dissolved Solids (mg/l)</b>	<b>GWA-52 (bg)</b>	<b>11.61</b>	<b>34</b>	<b>31</b>	<b>Yes</b>	<b>11</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Total Dissolved Solids (mg/l)	GWA-53 (bg)	10.1	33	35	No	12	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-53R (bg)	9.885	12	27	No	10	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-54 (bg)	7.603	16	35	No	12	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	34.01	34	35	No	12	0	n/a	n/a	0.02	NP
<b>Total Dissolved Solids (mg/l)</b>	<b>GWA-55R (bg)</b>	<b>24.14</b>	<b>46</b>	<b>35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Total Dissolved Solids (mg/l)</b>	<b>GWA-56 (bg)</b>	<b>54.77</b>	<b>36</b>	<b>35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Total Dissolved Solids (mg/l)	GWA-51R_5...	24.9	22	35	No	12	0	n/a	n/a	0.02	NP
<b>Zinc (mg/L)</b>	<b>GWA-36 (bg)</b>	<b>0.1003</b>	<b>84</b>	<b>53</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Zinc (mg/L)	GWA-36R (bg)	-0.00...	-10	-53	No	16	0	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-37 (bg)	-0.001	-34	-48	No	15	6.667	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-38 (bg)	-0.00...	-42	-53	No	16	25	n/a	n/a	0.02	NP
<b>Zinc (mg/L)</b>	<b>GWA-52 (bg)</b>	<b>0.000...</b>	<b>58</b>	<b>53</b>	<b>Yes</b>	<b>16</b>	<b>56.25</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Zinc (mg/L)	GWA-53 (bg)	0.000...	41	53	No	16	50	n/a	n/a	0.02	NP
<b>Zinc (mg/L)</b>	<b>GWA-53R (bg)</b>	<b>0.000...</b>	<b>61</b>	<b>53</b>	<b>Yes</b>	<b>16</b>	<b>43.75</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Zinc (mg/L)	GWA-54 (bg)	0.000...	46	53	No	16	43.75	n/a	n/a	0.02	NP
<b>Zinc (mg/L)</b>	<b>GWA-55 (bg)</b>	<b>0.001022</b>	<b>59</b>	<b>53</b>	<b>Yes</b>	<b>16</b>	<b>68.75</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Zinc (mg/L)	GWA-55R (bg)	0.000...	33	53	No	16	62.5	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-56 (bg)	0.000...	35	53	No	16	50	n/a	n/a	0.02	NP
<b>Zinc (mg/L)</b>	<b>GWA-51R_5...</b>	<b>-0.00...</b>	<b>-62</b>	<b>-48</b>	<b>Yes</b>	<b>15</b>	<b>33.33</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>



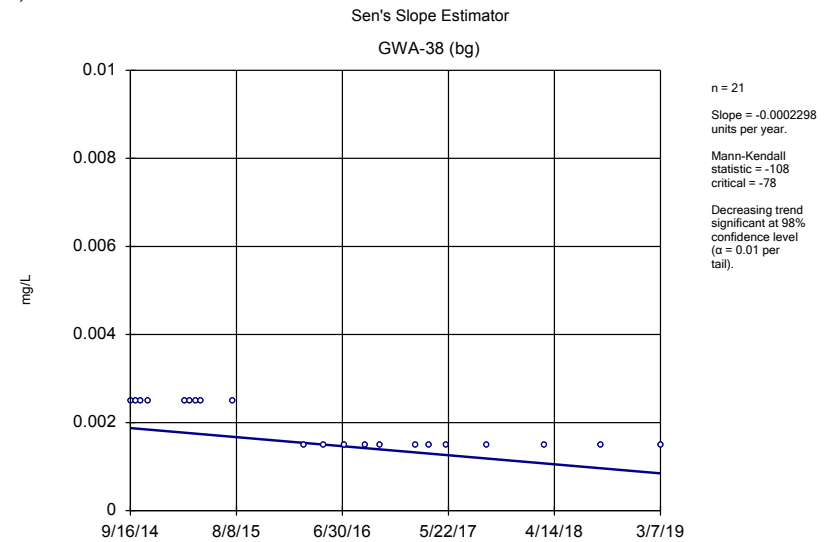
Constituent: Antimony Analysis Run 8/28/2019 10:38 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Antimony Analysis Run 8/28/2019 10:38 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Antimony Analysis Run 8/28/2019 10:38 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Antimony Analysis Run 8/28/2019 10:38 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36 (bg)
9/15/2014	<0.005
10/3/2014	<0.005
10/20/2014	<0.005
11/10/2014	<0.005
3/2/2015	<0.005
3/17/2015	<0.005
4/5/2015	<0.005
4/21/2015	<0.005
7/28/2015	<0.005
3/1/2016	<0.003
5/2/2016	<0.003
7/7/2016	<0.003 (*)
9/7/2016	<0.003
10/25/2016	<0.003
1/5/2017	<0.003
3/15/2017	0.0004 (J)
5/17/2017	0.0032
9/15/2017	<0.003
3/12/2018	<0.003
9/6/2018	<0.003
3/6/2019	<0.003

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

---

	GWA-36R (bg)
9/15/2014	<0.005
10/3/2014	<0.005
10/20/2014	<0.005
11/10/2014	<0.005
3/2/2015	<0.005
3/17/2015	<0.005
4/5/2015	<0.005
4/21/2015	<0.005
7/28/2015	<0.005
3/1/2016	<0.003
5/2/2016	<0.003
7/6/2016	<0.003 (*)
9/7/2016	<0.003
10/25/2016	<0.003
1/5/2017	<0.003
3/14/2017	<0.003
5/16/2017	<0.003
9/15/2017	<0.003
3/12/2018	<0.003
9/6/2018	<0.003
3/7/2019	<0.003

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37 (bg)
9/16/2014	<0.005
10/3/2014	<0.005
10/20/2014	<0.005
11/10/2014	<0.005
3/2/2015	<0.005
3/17/2015	<0.005
4/5/2015	<0.005
4/22/2015	<0.005
7/28/2015	<0.005
3/1/2016	0.00214 (J)
5/3/2016	0.00178 (J)
7/8/2016	0.0023 (J)
9/7/2016	0.0039
10/25/2016	0.0035
1/6/2017	0.0052
3/14/2017	0.003
5/16/2017	0.0026 (J)
9/15/2017	0.0016 (J)
3/12/2018	0.0023 (J)
9/6/2018	0.0024 (J)
3/6/2019	0.0019 (X)

# Sen's Slope Estimator

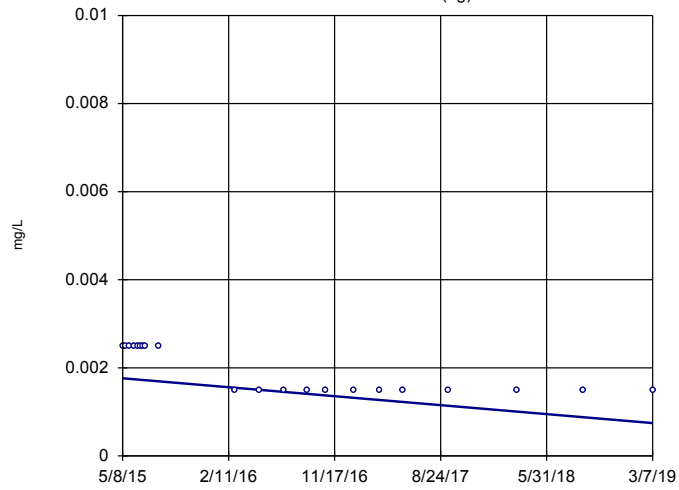
Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38 (bg)
9/16/2014	<0.005
10/3/2014	<0.005
10/20/2014	<0.005
11/10/2014	<0.005
3/2/2015	<0.005
3/17/2015	<0.005
4/6/2015	<0.005
4/22/2015	<0.005
7/28/2015	<0.005
3/2/2016	<0.003
5/3/2016	<0.003
7/7/2016	<0.003
9/8/2016	<0.003
10/25/2016	<0.003
2/9/2017	<0.003
3/23/2017	<0.003
5/17/2017	<0.003
9/19/2017	<0.003
3/13/2018	<0.003
9/6/2018	<0.003
3/7/2019	<0.003

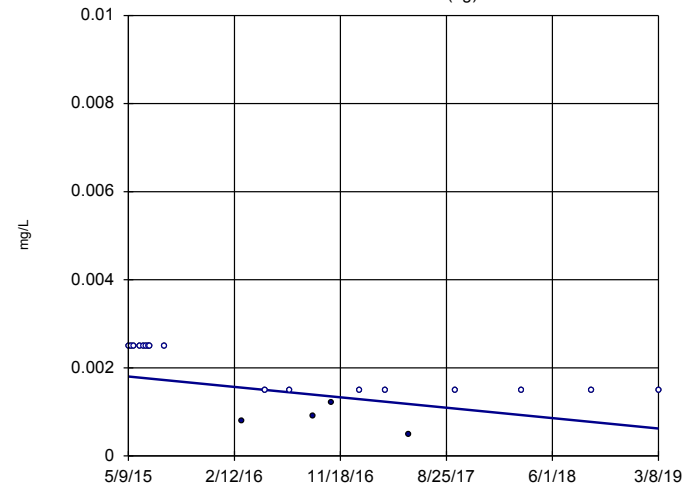
Sen's Slope Estimator  
GWA-52 (bg)



n = 21  
Slope = -0.0002655  
units per year.  
Mann-Kendall  
statistic = -108  
critical = -78  
Decreasing trend  
significant at 98%  
confidence level  
( $\alpha = 0.01$  per  
tail).

Constituent: Antimony Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

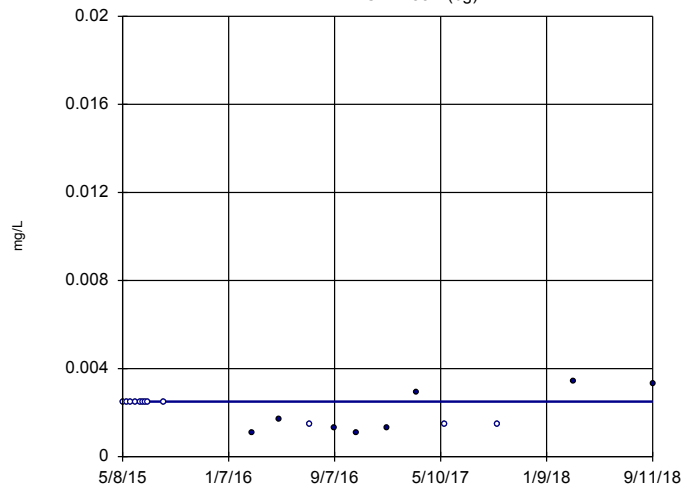
Sen's Slope Estimator  
GWA-53 (bg)



n = 21  
Slope = -0.0003076  
units per year.  
Mann-Kendall  
statistic = -92  
critical = -78  
Decreasing trend  
significant at 98%  
confidence level  
( $\alpha = 0.01$  per  
tail).

Constituent: Antimony Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

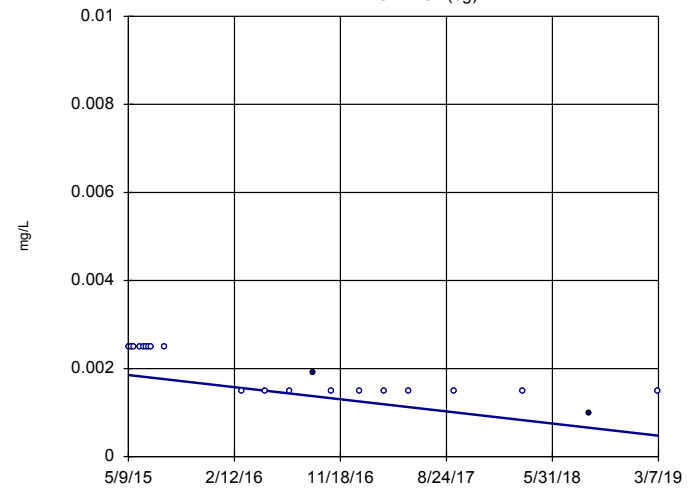
Sen's Slope Estimator  
GWA-53R (bg)



n = 20  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = -20  
critical = -73  
Trend not sig-  
nificant at 98%  
confidence level  
( $\alpha = 0.01$  per  
tail).

Constituent: Antimony Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-54 (bg)



n = 21  
Slope = -0.0003594  
units per year.  
Mann-Kendall  
statistic = -121  
critical = -78  
Decreasing trend  
significant at 98%  
confidence level  
( $\alpha = 0.01$  per  
tail).

Constituent: Antimony Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52 (bg)
5/8/2015	<0.005
5/17/2015	<0.005
5/25/2015	<0.005
6/8/2015	<0.005
6/18/2015	<0.005
6/24/2015	<0.005
6/30/2015	<0.005
7/6/2015	<0.005
8/12/2015	<0.005
2/29/2016	<0.003
5/4/2016	<0.003
7/8/2016	<0.003 (*)
9/8/2016	<0.003
10/26/2016	<0.003
1/6/2017	<0.003
3/15/2017	<0.003
5/17/2017	<0.003
9/15/2017	<0.003
3/13/2018	<0.003
9/6/2018	<0.003
3/7/2019	<0.003



# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53 (bg)
5/9/2015	<0.005
5/18/2015	<0.005
5/25/2015	<0.005
6/8/2015	<0.005
6/17/2015	<0.005
6/24/2015	<0.005
6/30/2015	<0.005
7/6/2015	<0.005
8/12/2015	<0.005
3/2/2016	0.000782 (J)
5/3/2016	<0.003
7/8/2016	<0.003 (*)
9/8/2016	0.0009 (J)
10/26/2016	0.0012 (J)
1/9/2017	<0.003
3/16/2017	<0.003
5/19/2017	0.0005 (J)
9/19/2017	<0.003
3/13/2018	<0.003
9/11/2018	<0.003
3/8/2019	<0.003

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R (bg)
5/8/2015	<0.005
5/17/2015	<0.005
5/25/2015	<0.005
6/8/2015	<0.005
6/18/2015	<0.005
6/24/2015	<0.005
6/30/2015	<0.005
7/6/2015	<0.005
8/12/2015	<0.005
3/2/2016	0.00106 (J)
5/3/2016	0.00171 (J)
7/11/2016	<0.003 (*)
9/7/2016	0.0013 (J)
10/27/2016	0.0011 (J)
1/6/2017	0.0013 (J)
3/16/2017	0.0029 (J)
5/19/2017	<0.003
9/19/2017	<0.003
3/13/2018	0.0034
9/11/2018	0.0033
3/12/2019	0.002 (X)

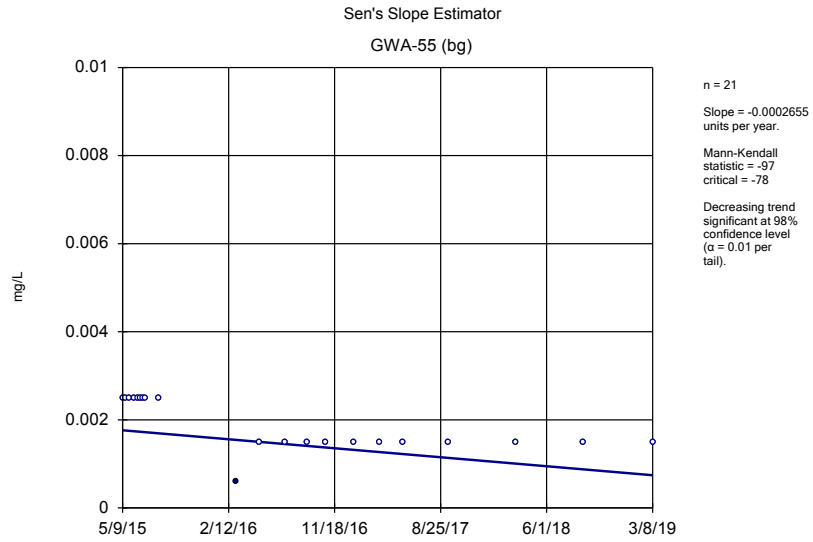
# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes

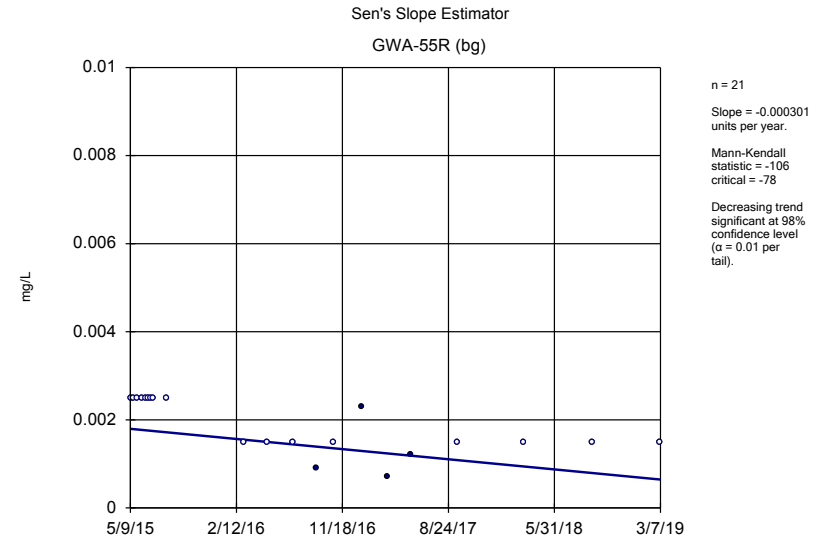
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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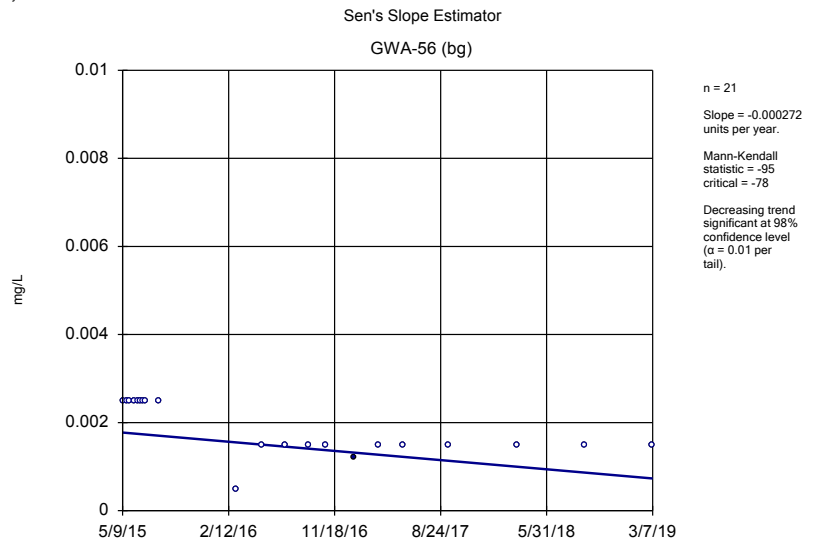
	GWA-54 (bg)
5/9/2015	<0.005
5/18/2015	<0.005
5/25/2015	<0.005
6/9/2015	<0.005
6/17/2015	<0.005
6/25/2015	<0.005
7/1/2015	<0.005
7/7/2015	<0.005
8/12/2015	<0.005
3/2/2016	<0.003
5/4/2016	<0.003
7/8/2016	<0.003
9/8/2016	0.0019 (J)
10/26/2016	<0.003
1/9/2017	<0.003
3/15/2017	<0.003
5/18/2017	<0.003
9/15/2017	<0.003
3/13/2018	<0.003
9/6/2018	0.001 (J)
3/7/2019	<0.003



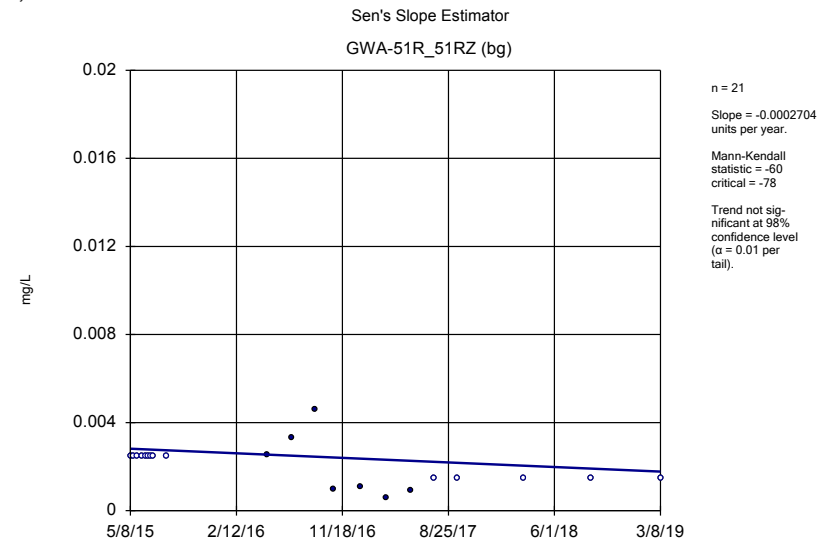
Constituent: Antimony Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Antimony Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Antimony Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Antimony Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55 (bg)
5/9/2015	<0.005
5/18/2015	<0.005
5/26/2015	<0.005
6/9/2015	<0.005
6/17/2015	<0.005
6/25/2015	<0.005
7/1/2015	<0.005
7/7/2015	<0.005
8/13/2015	<0.005
3/2/2016	0.000608 (J)
5/3/2016	<0.003
7/11/2016	<0.003 (*)
9/9/2016	<0.003
10/26/2016	<0.003
1/9/2017	<0.003
3/16/2017	<0.003
5/18/2017	<0.003
9/15/2017	<0.003
3/12/2018	<0.003
9/7/2018	<0.003
3/8/2019	<0.003

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R (bg)
5/9/2015	<0.005
5/18/2015	<0.005
5/26/2015	<0.005
6/9/2015	<0.005
6/17/2015	<0.005
6/25/2015	<0.005
7/1/2015	<0.005
7/7/2015	<0.005
8/13/2015	<0.005
3/3/2016	<0.003
5/3/2016	<0.003
7/11/2016	<0.003 (*)
9/9/2016	0.0009 (J)
10/27/2016	<0.003
1/9/2017	0.0023 (J)
3/16/2017	0.0007 (J)
5/18/2017	0.0012 (J)
9/18/2017	<0.003
3/12/2018	<0.003
9/7/2018	<0.003
3/7/2019	<0.003

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56 (bg)
5/9/2015	<0.005
5/19/2015	<0.005
5/26/2015	<0.005
6/9/2015	<0.005
6/17/2015	<0.005
6/25/2015	<0.005
7/1/2015	<0.005
7/7/2015	<0.005
8/13/2015	<0.005
3/3/2016	<0.001
5/9/2016	<0.003
7/11/2016	<0.003
9/9/2016	<0.003
10/26/2016	<0.003
1/9/2017	0.0012 (J)
3/15/2017	<0.003
5/18/2017	<0.003
9/15/2017	<0.003
3/13/2018	<0.003
9/7/2018	<0.003
3/7/2019	<0.003

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes

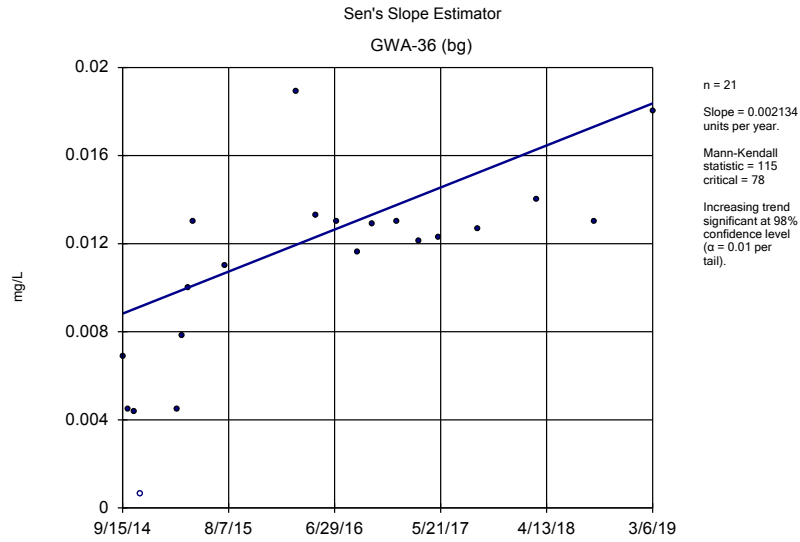
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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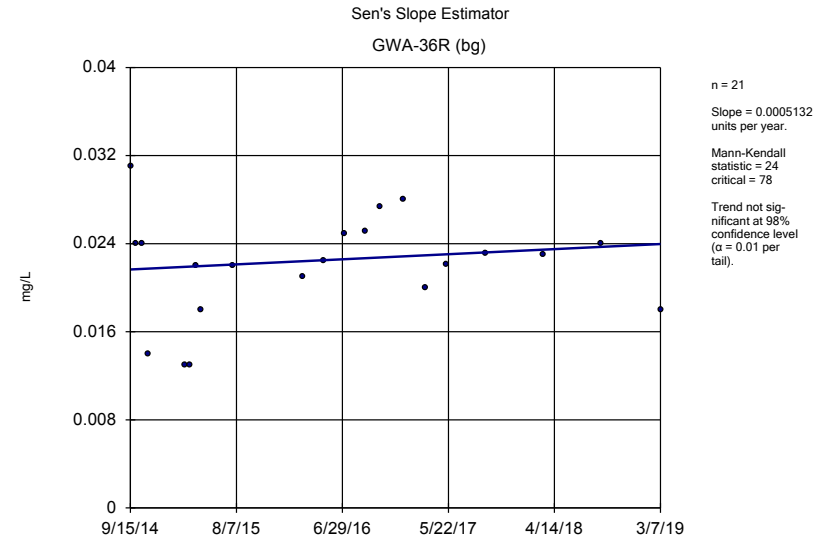
GWA-51R\_51RZ ...

5/8/2015	<0.005
5/17/2015	<0.005
5/25/2015	<0.005
6/8/2015	<0.005
6/18/2015	<0.005
6/24/2015	<0.005
6/30/2015	<0.005
7/6/2015	<0.005
8/12/2015	<0.005
5/4/2016	0.00254 (JD)
7/7/2016	0.0033 (D)
9/8/2016	0.0046 (D)
10/26/2016	0.001 (JD)
1/6/2017	0.0011 (JD)
3/15/2017	0.0006 (JD)
5/18/2017	0.0009 (JD)
7/19/2017	<0.003 (D)
9/19/2017	<0.003 (D)
3/13/2018	<0.003
9/7/2018	<0.003
3/8/2019	<0.003

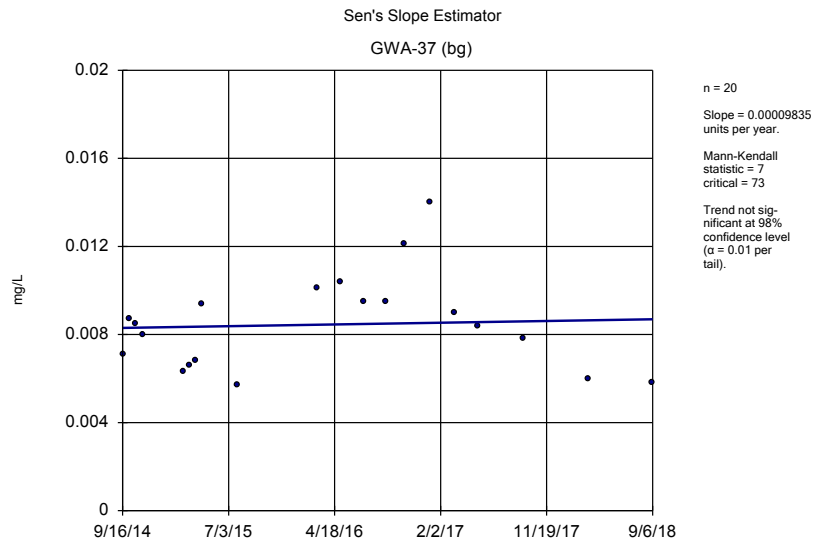




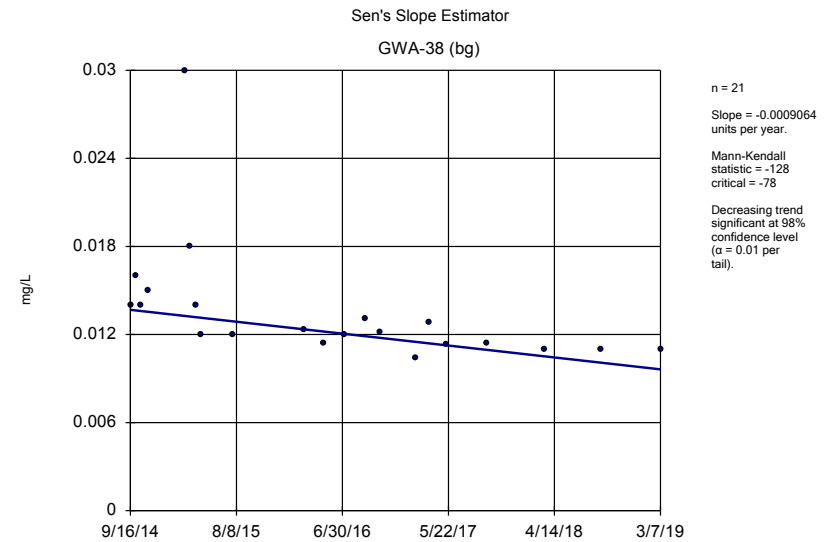
Constituent: Barium Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Barium Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Barium Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Barium Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36 (bg)
9/15/2014	0.0069
10/3/2014	0.0045
10/20/2014	0.0044
11/10/2014	<0.0013
3/2/2015	0.0045
3/17/2015	0.0078
4/5/2015	0.01
4/21/2015	0.013
7/28/2015	0.011
3/1/2016	0.0189
5/2/2016	0.0133
7/7/2016	0.013
9/7/2016	0.0116
10/25/2016	0.0129
1/5/2017	0.013
3/15/2017	0.0121
5/17/2017	0.0123
9/15/2017	0.0127
3/12/2018	0.014
9/6/2018	0.013
3/6/2019	0.018

# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R (bg)
9/15/2014	0.031
10/3/2014	0.024
10/20/2014	0.024
11/10/2014	0.014
3/2/2015	0.013
3/17/2015	0.013
4/5/2015	0.022
4/21/2015	0.018
7/28/2015	0.022
3/1/2016	0.021
5/2/2016	0.0225
7/6/2016	0.0249
9/7/2016	0.0251
10/25/2016	0.0274
1/5/2017	0.028
3/14/2017	0.02
5/16/2017	0.0221
9/15/2017	0.0231
3/12/2018	0.023
9/6/2018	0.024
3/7/2019	0.018

# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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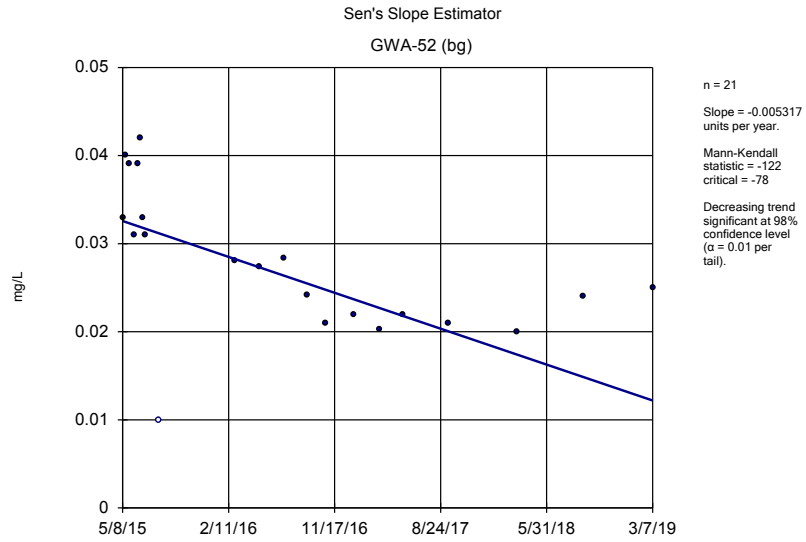
	GWA-37 (bg)
9/16/2014	0.0071
10/3/2014	0.0087
10/20/2014	0.0085
11/10/2014	0.008
3/2/2015	0.0063
3/17/2015	0.0066
4/5/2015	0.0068
4/22/2015	0.0094
7/28/2015	0.0057
3/1/2016	0.0101
5/3/2016	0.0104
7/8/2016	0.0095 (J)
9/7/2016	0.0095 (J)
10/25/2016	0.0121
1/6/2017	0.014
3/14/2017	0.009 (J)
5/16/2017	0.0084 (J)
9/15/2017	0.0078 (J)
3/12/2018	0.006 (J)
9/6/2018	0.0058 (J)
3/6/2019	0.0052 (X)

# Sen's Slope Estimator

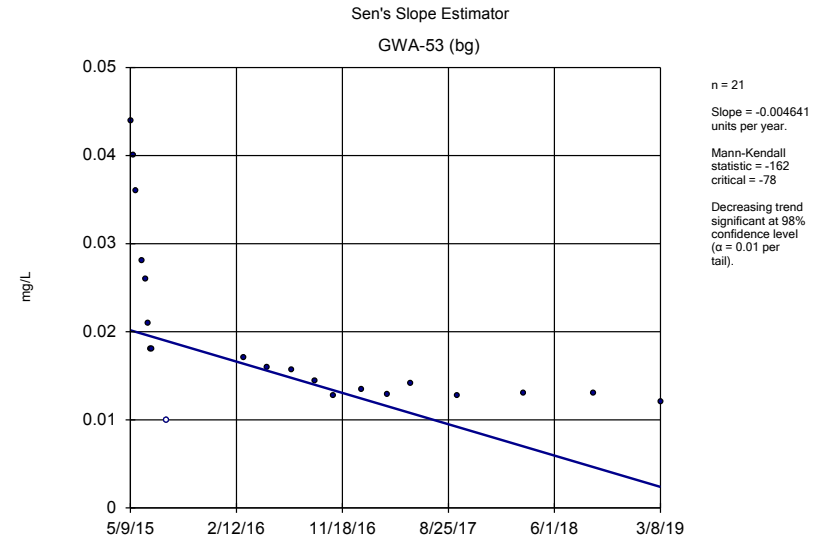
Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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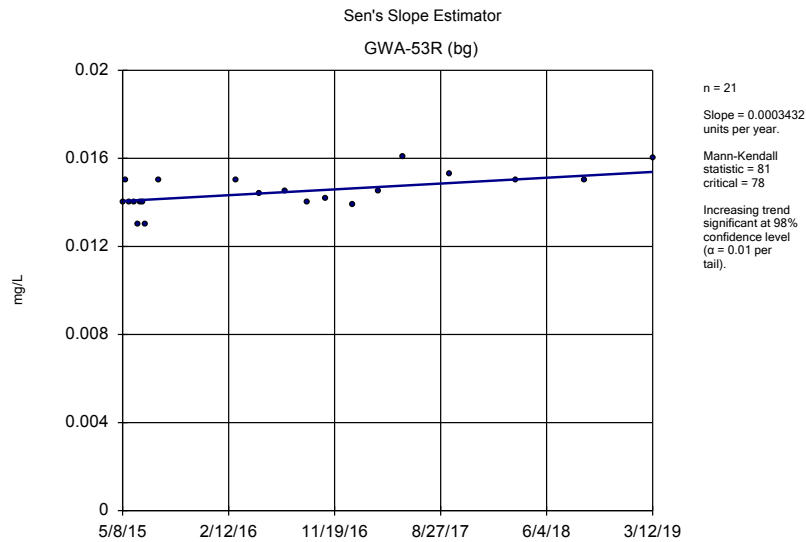
	GWA-38 (bg)
9/16/2014	0.014
10/3/2014	0.016
10/20/2014	0.014
11/10/2014	0.015
3/2/2015	0.03
3/17/2015	0.018
4/6/2015	0.014
4/22/2015	0.012
7/28/2015	0.012
3/2/2016	0.0123
5/3/2016	0.0114
7/7/2016	0.012
9/8/2016	0.0131
10/25/2016	0.0122
2/9/2017	0.0104
3/23/2017	0.0128
5/17/2017	0.0113
9/19/2017	0.0114
3/13/2018	0.011
9/6/2018	0.011
3/7/2019	0.011



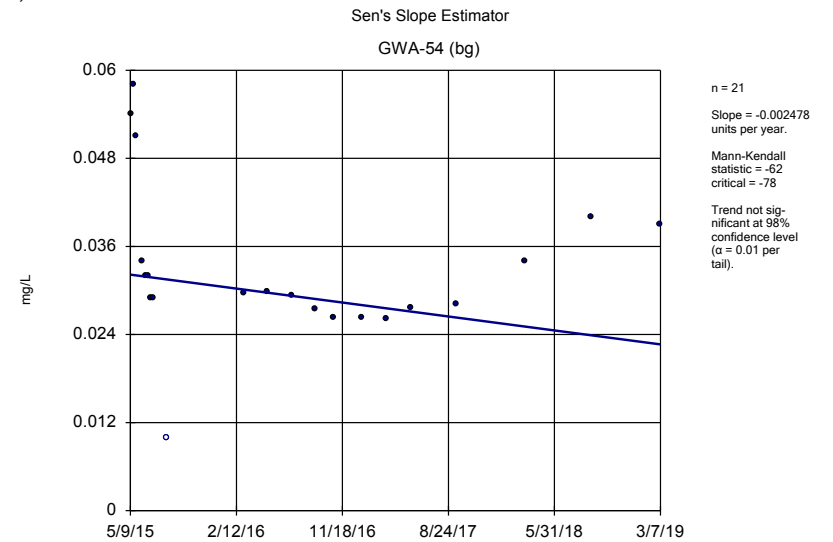
Constituent: Barium Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Barium Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Barium Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Barium Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52 (bg)
5/8/2015	0.033
5/17/2015	0.04
5/25/2015	0.039
6/8/2015	0.031
6/18/2015	0.039
6/24/2015	0.042
6/30/2015	0.033
7/6/2015	0.031
8/12/2015	<0.02
2/29/2016	0.028
5/4/2016	0.0273
7/8/2016	0.0284
9/8/2016	0.0242
10/26/2016	0.021
1/6/2017	0.0219
3/15/2017	0.0202
5/17/2017	0.0219
9/15/2017	0.0209
3/13/2018	0.02
9/6/2018	0.024
3/7/2019	0.025

# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53 (bg)
5/9/2015	0.044
5/18/2015	0.04
5/25/2015	0.036
6/8/2015	0.028
6/17/2015	0.026
6/24/2015	0.021
6/30/2015	0.018
7/6/2015	0.018
8/12/2015	<0.02
3/2/2016	0.017
5/3/2016	0.016
7/8/2016	0.0156
9/8/2016	0.0144
10/26/2016	0.0128
1/9/2017	0.0134
3/16/2017	0.0129
5/19/2017	0.0141
9/19/2017	0.0127
3/13/2018	0.013
9/11/2018	0.013
3/8/2019	0.012



# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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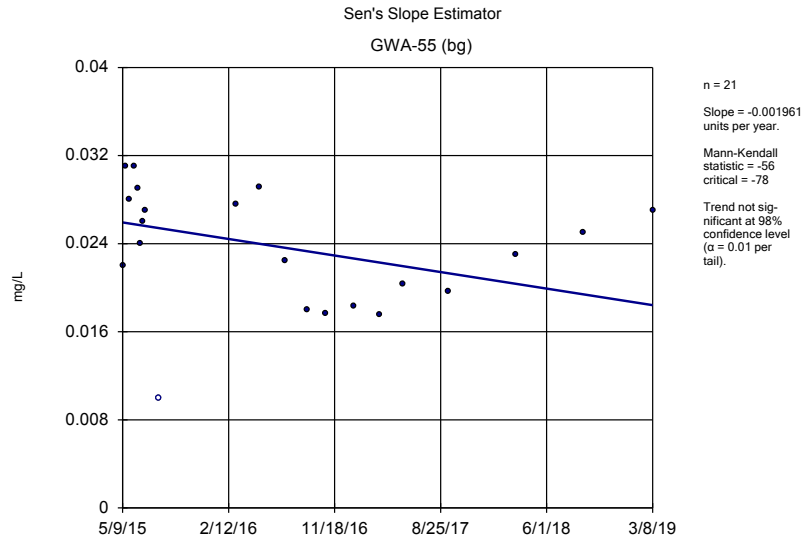
	GWA-53R (bg)
5/8/2015	0.014
5/17/2015	0.015
5/25/2015	0.014
6/8/2015	0.014
6/18/2015	0.013
6/24/2015	0.014
6/30/2015	0.014
7/6/2015	0.013
8/12/2015	0.015 (J)
3/2/2016	0.015
5/3/2016	0.0144
7/11/2016	0.0145
9/7/2016	0.014
10/27/2016	0.0142
1/6/2017	0.0139
3/16/2017	0.0145
5/19/2017	0.0161
9/19/2017	0.0153
3/13/2018	0.015
9/11/2018	0.015
3/12/2019	0.016

# Sen's Slope Estimator

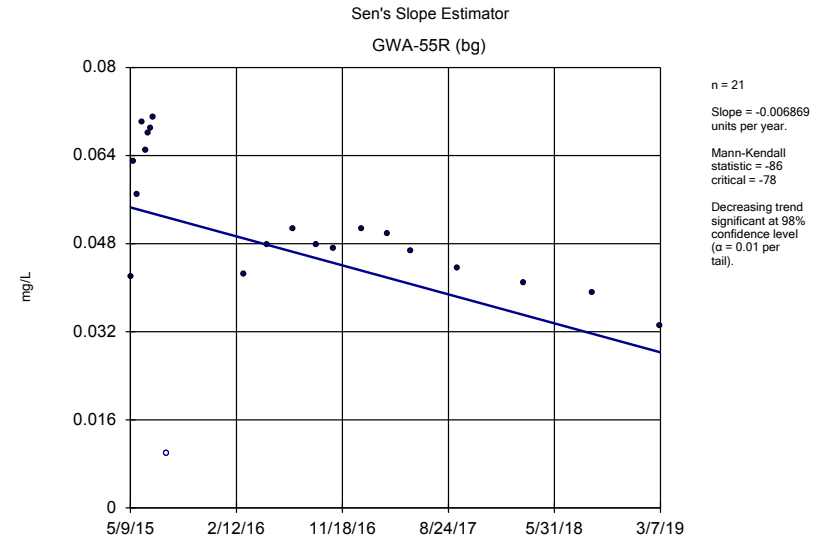
Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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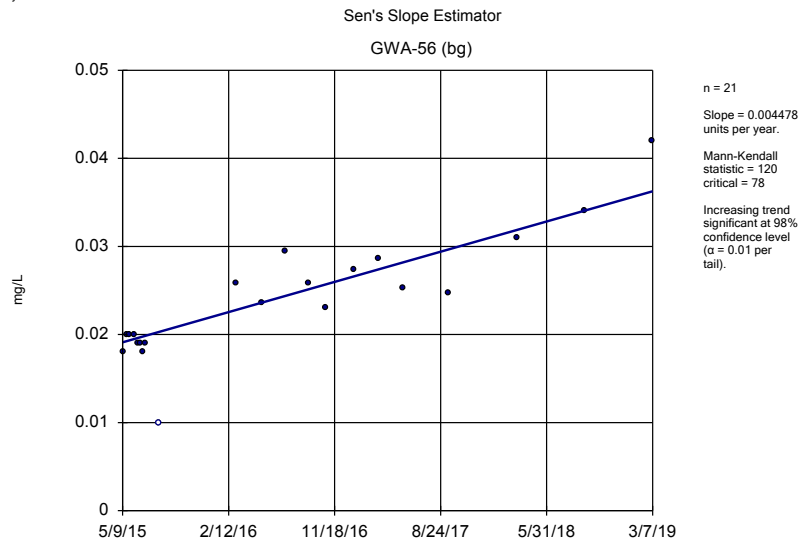
	GWA-54 (bg)
5/9/2015	0.054
5/18/2015	0.058
5/25/2015	0.051
6/9/2015	0.034
6/17/2015	0.032
6/25/2015	0.032
7/1/2015	0.029
7/7/2015	0.029
8/12/2015	<0.02
3/2/2016	0.0297
5/4/2016	0.0299
7/8/2016	0.0294
9/8/2016	0.0275
10/26/2016	0.0263
1/9/2017	0.0263
3/15/2017	0.0262
5/18/2017	0.0276
9/15/2017	0.0281
3/13/2018	0.034
9/6/2018	0.04
3/7/2019	0.039



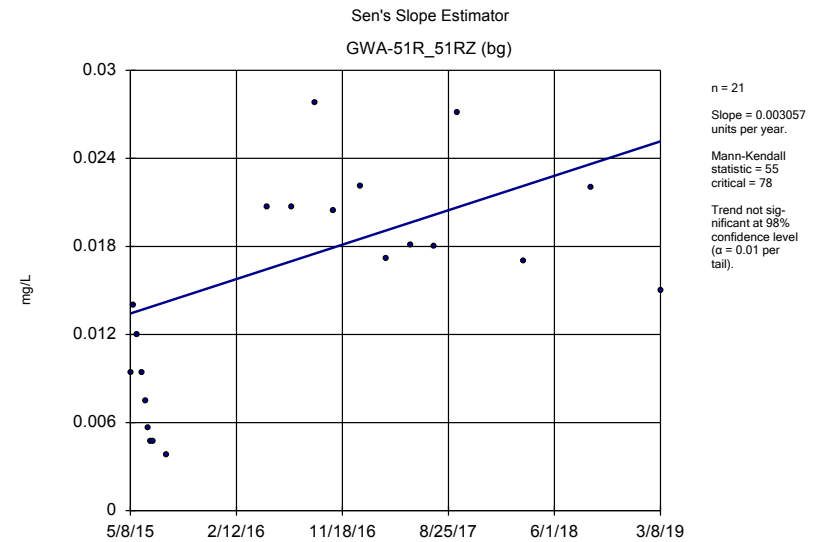
Constituent: Barium Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Barium Analysis Run 8/28/2019 10:39 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Barium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Barium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55 (bg)
5/9/2015	0.022
5/18/2015	0.031
5/26/2015	0.028
6/9/2015	0.031
6/17/2015	0.029
6/25/2015	0.024
7/1/2015	0.026
7/7/2015	0.027
8/12/2015	<0.02
3/2/2016	0.0276
5/3/2016	0.0291
7/11/2016	0.0225
9/9/2016	0.018
10/26/2016	0.0177
1/9/2017	0.0183
3/16/2017	0.0175
5/18/2017	0.0203
9/15/2017	0.0197
3/12/2018	0.023
9/7/2018	0.025
3/8/2019	0.027

# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R (bg)
5/9/2015	0.042
5/18/2015	0.063
5/26/2015	0.057
6/9/2015	0.07
6/17/2015	0.065
6/25/2015	0.068
7/1/2015	0.069
7/7/2015	0.071
8/12/2015	<0.02
3/3/2016	0.0424
5/3/2016	0.0477
7/11/2016	0.0506
9/9/2016	0.0478
10/27/2016	0.0472
1/9/2017	0.0507
3/16/2017	0.0497
5/18/2017	0.0466
9/18/2017	0.0436
3/12/2018	0.041
9/7/2018	0.039
3/7/2019	0.033

# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56 (bg)
5/9/2015	0.018
5/19/2015	0.02
5/26/2015	0.02
6/9/2015	0.02
6/17/2015	0.019
6/25/2015	0.019
7/1/2015	0.018
7/7/2015	0.019
8/12/2015	<0.02
3/3/2016	0.0259
5/9/2016	0.0236
7/11/2016	0.0295
9/9/2016	0.0259
10/26/2016	0.0231
1/9/2017	0.0273
3/15/2017	0.0286
5/18/2017	0.0253
9/15/2017	0.0247
3/13/2018	0.031
9/7/2018	0.034
3/7/2019	0.042

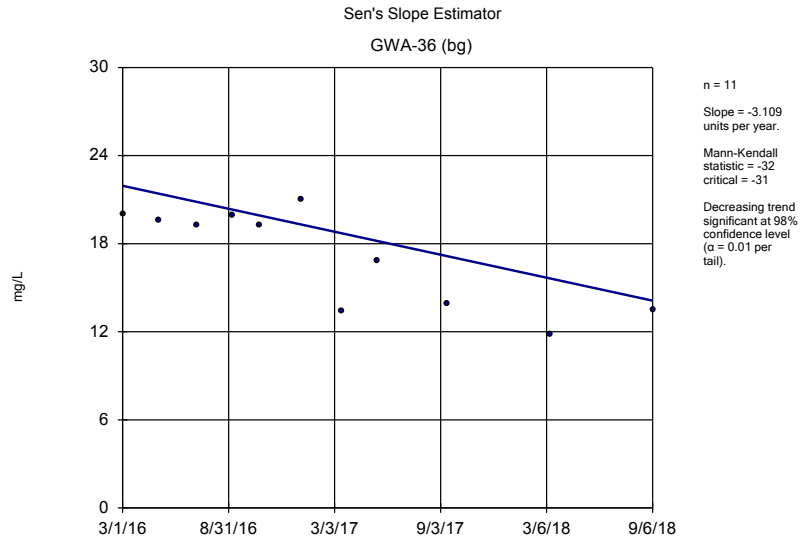
# Sen's Slope Estimator

Constituent: Barium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

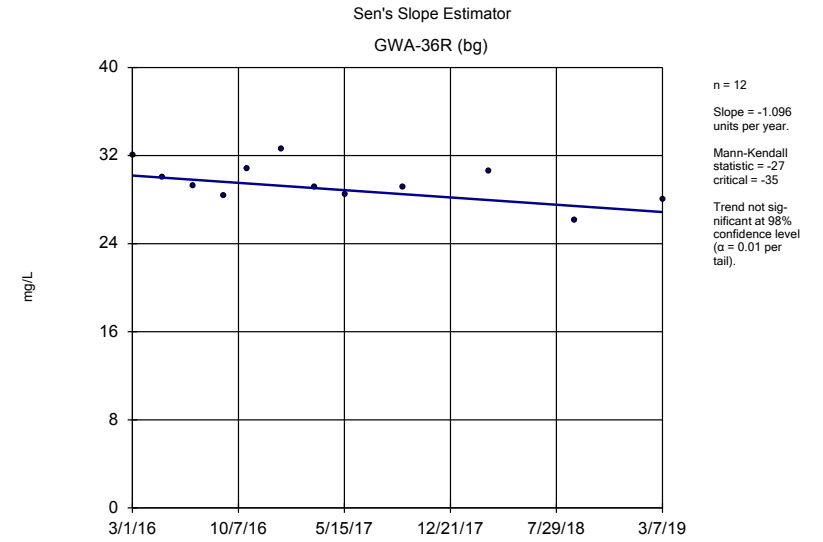
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GWA-51R\_51RZ ...

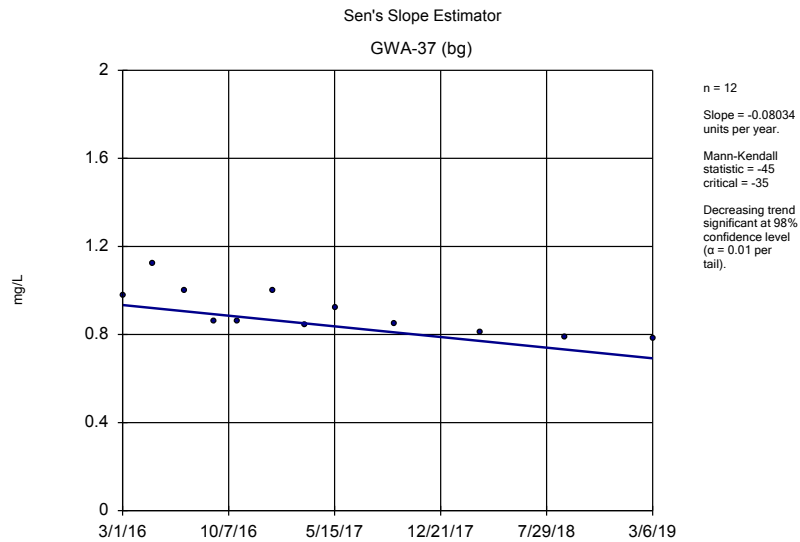
5/8/2015	0.0094
5/17/2015	0.014
5/25/2015	0.012
6/8/2015	0.0094
6/18/2015	0.0075
6/24/2015	0.0056
6/30/2015	0.0047
7/6/2015	0.0047
8/12/2015	0.00383 (J)
5/4/2016	0.0207 (D)
7/7/2016	0.0207 (D)
9/8/2016	0.0278 (D)
10/26/2016	0.0204 (D)
1/6/2017	0.0221 (D)
3/15/2017	0.0172 (D)
5/18/2017	0.0181 (D)
7/19/2017	0.018 (D)
9/19/2017	0.0271 (D)
3/13/2018	0.017
9/7/2018	0.022
3/8/2019	0.015



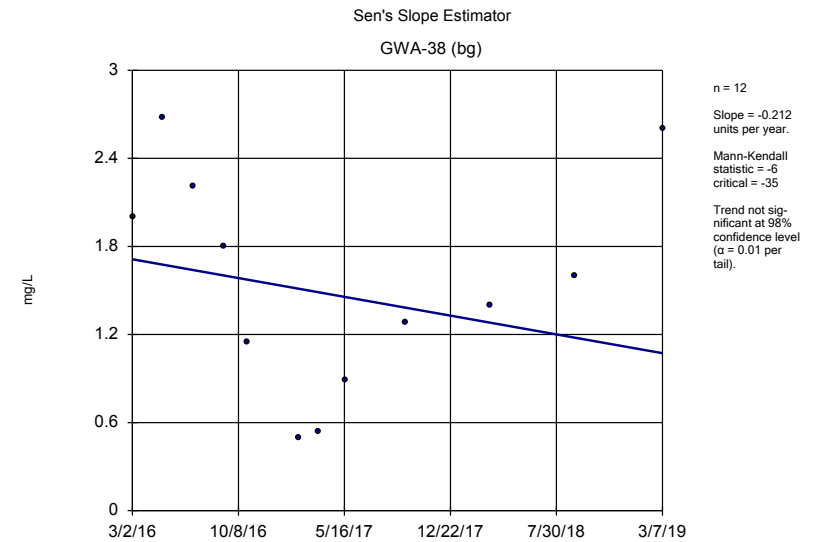
Constituent: Calcium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36 (bg)
3/1/2016	20
5/2/2016	19.6
7/7/2016	19.3
9/7/2016	19.9
10/25/2016	19.3
1/5/2017	21
3/15/2017	13.4
5/17/2017	16.8
9/15/2017	13.9
3/12/2018	11.8 (J)
9/6/2018	13.5 (J)
3/6/2019	11.2 (X)

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R (bg)
3/1/2016	32
5/2/2016	30
7/6/2016	29.2
9/7/2016	28.4
10/25/2016	30.8
1/5/2017	32.6
3/14/2017	29.1
5/16/2017	28.5
9/15/2017	29.1
3/12/2018	30.6
9/6/2018	26.1
3/7/2019	28

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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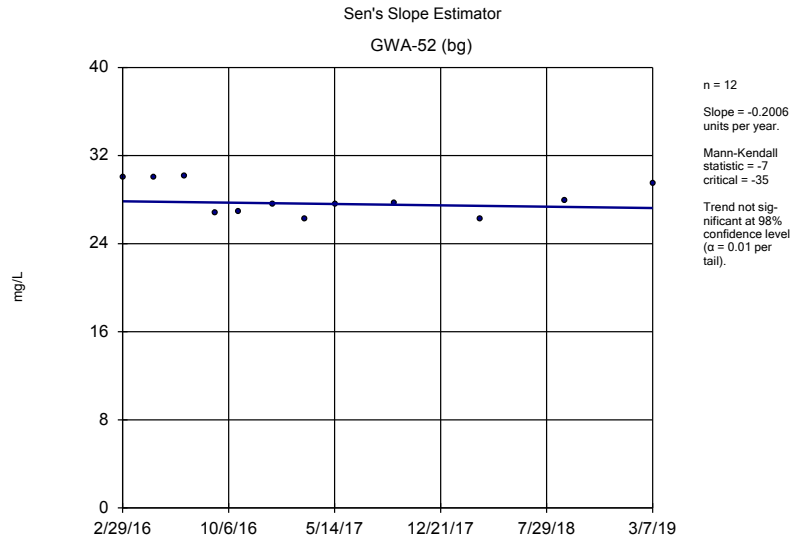
	GWA-37 (bg)
3/1/2016	0.98
5/3/2016	1.12
7/8/2016	1
9/7/2016	0.858
10/25/2016	0.859
1/6/2017	1
3/14/2017	0.844
5/16/2017	0.922
9/15/2017	0.85
3/12/2018	0.81
9/6/2018	0.79
3/6/2019	0.78

# Sen's Slope Estimator

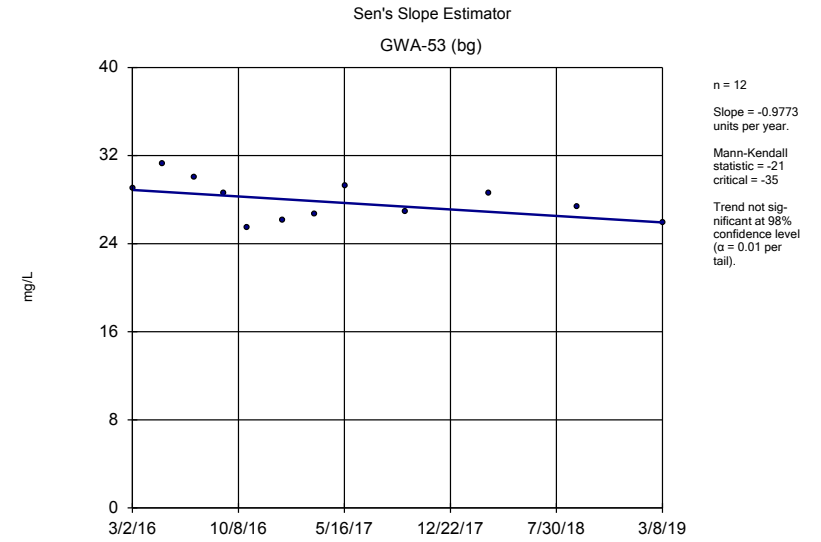
Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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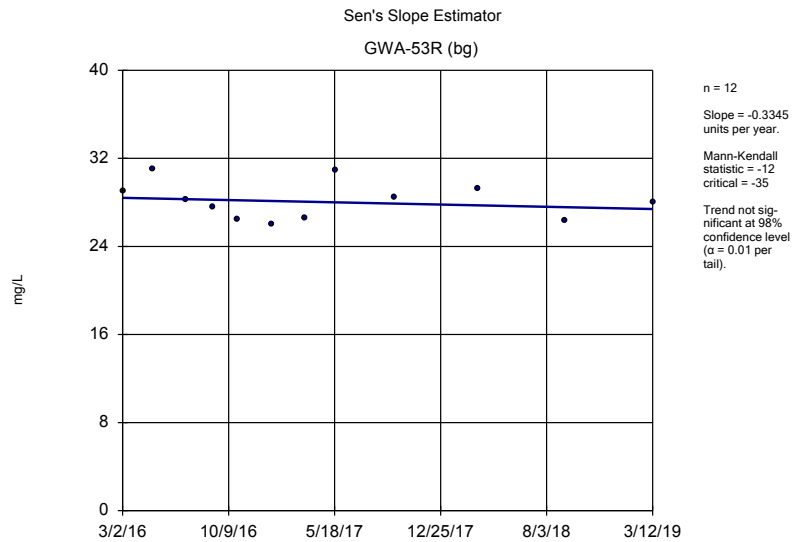
	GWA-38 (bg)
3/2/2016	2
5/3/2016	2.68
7/7/2016	2.21
9/8/2016	1.8
10/25/2016	1.15
2/9/2017	0.495 (J)
3/23/2017	0.543
5/17/2017	0.889
9/19/2017	1.28
3/13/2018	1.4
9/6/2018	1.6
3/7/2019	2.6



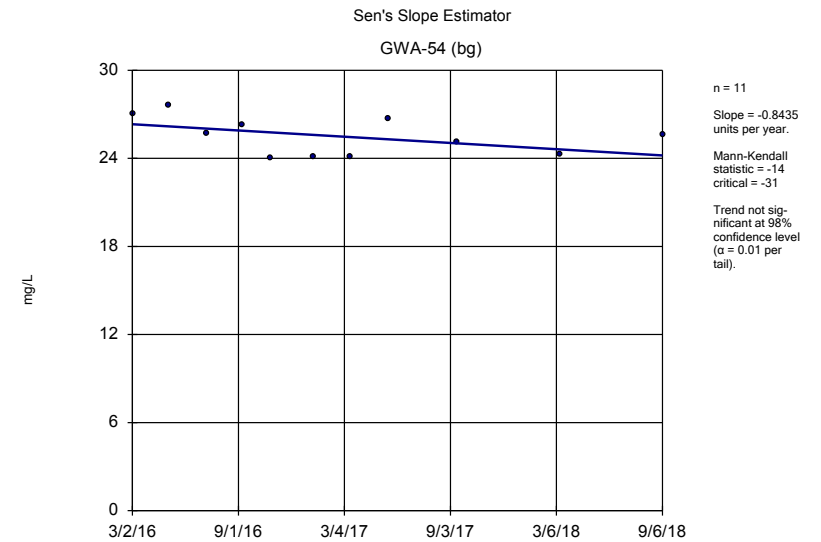
Constituent: Calcium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52 (bg)
2/29/2016	30
5/4/2016	30
7/8/2016	30.1
9/8/2016	26.8
10/26/2016	26.9
1/6/2017	27.6
3/15/2017	26.2
5/17/2017	27.6
9/15/2017	27.7
3/13/2018	26.2
9/6/2018	27.9
3/7/2019	29.5

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

---

	GWA-53 (bg)
3/2/2016	29
5/3/2016	31.2
7/8/2016	30
9/8/2016	28.6
10/26/2016	25.5
1/9/2017	26.1
3/16/2017	26.7
5/19/2017	29.2
9/19/2017	26.9
3/13/2018	28.6
9/11/2018	27.3
3/8/2019	25.9

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R (bg)
3/2/2016	29
5/3/2016	31
7/11/2016	28.2
9/7/2016	27.6
10/27/2016	26.5
1/6/2017	26
3/16/2017	26.6
5/19/2017	30.9
9/19/2017	28.5
3/13/2018	29.3
9/11/2018	26.3
3/12/2019	28



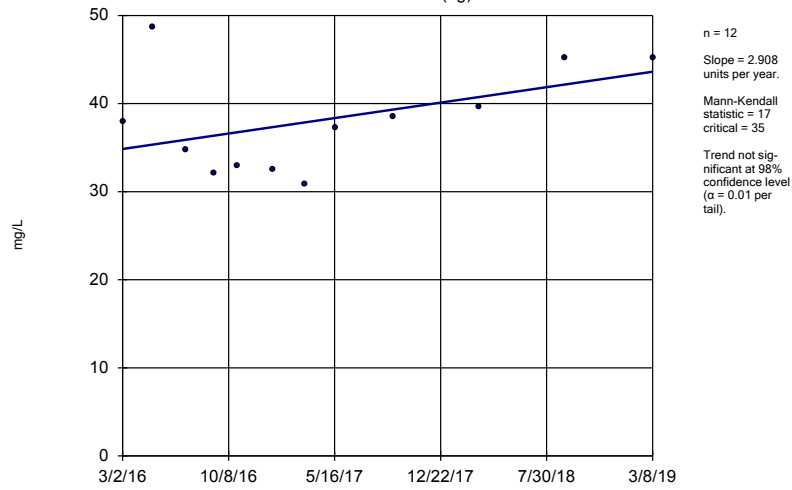
# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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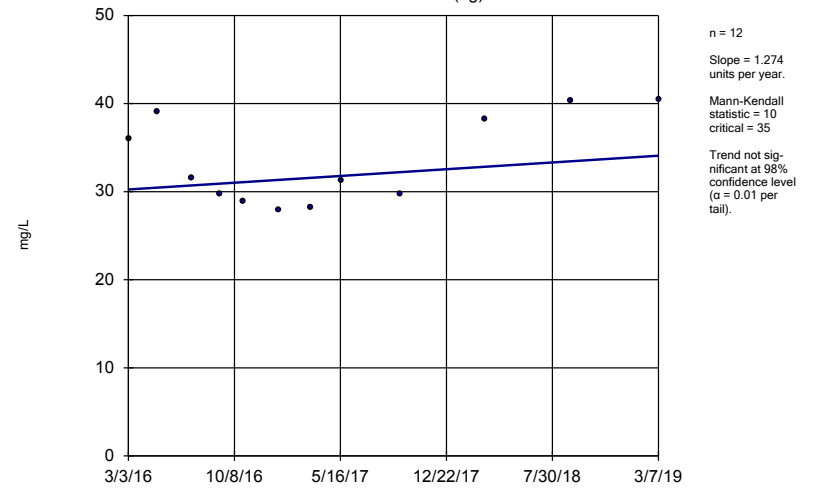
	GWA-54 (bg)
3/2/2016	27
5/4/2016	27.6
7/8/2016	25.7
9/8/2016	26.3
10/26/2016	24
1/9/2017	24.1
3/15/2017	24.1
5/18/2017	26.7
9/15/2017	25.1
3/13/2018	24.3 (J)
9/6/2018	25.6
3/7/2019	23.8 (X)

Sen's Slope Estimator  
GWA-55 (bg)



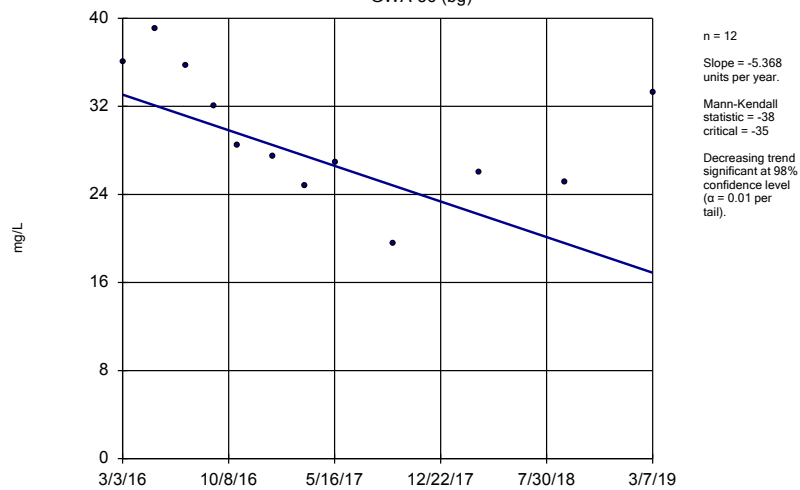
Constituent: Calcium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-55R (bg)



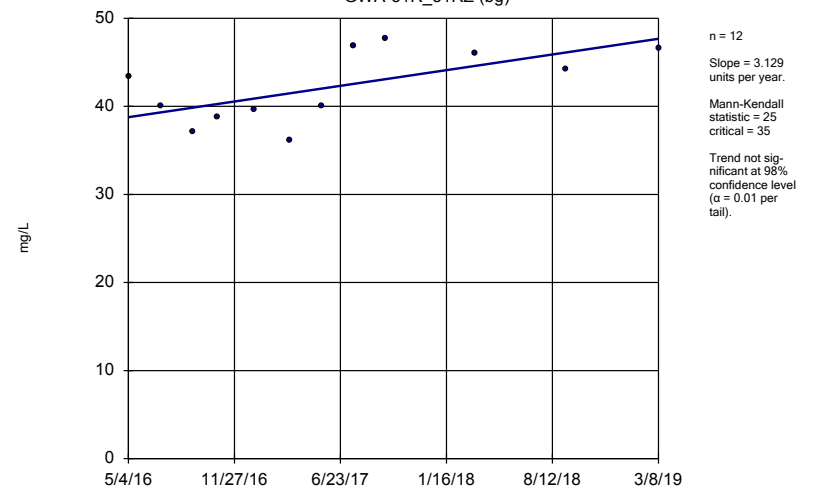
Constituent: Calcium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-56 (bg)



Constituent: Calcium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-51R\_51RZ (bg)



Constituent: Calcium Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55 (bg)
3/2/2016	38
5/3/2016	48.7
7/11/2016	34.8
9/9/2016	32.1
10/26/2016	32.9
1/9/2017	32.5
3/16/2017	30.8
5/18/2017	37.2
9/15/2017	38.5
3/12/2018	39.6
9/7/2018	45.2
3/8/2019	45.2

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:46 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R (bg)
3/3/2016	36
5/3/2016	39.1
7/11/2016	31.6
9/9/2016	29.8
10/27/2016	28.9
1/9/2017	27.9
3/16/2017	28.2
5/18/2017	31.3
9/18/2017	29.7
3/12/2018	38.2
9/7/2018	40.3
3/7/2019	40.4

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56 (bg)
3/3/2016	36
5/9/2016	39
7/11/2016	35.7
9/9/2016	32
10/26/2016	28.5
1/9/2017	27.5
3/15/2017	24.8
5/18/2017	26.9
9/15/2017	19.6
3/13/2018	26
9/7/2018	25.1
3/7/2019	33.3

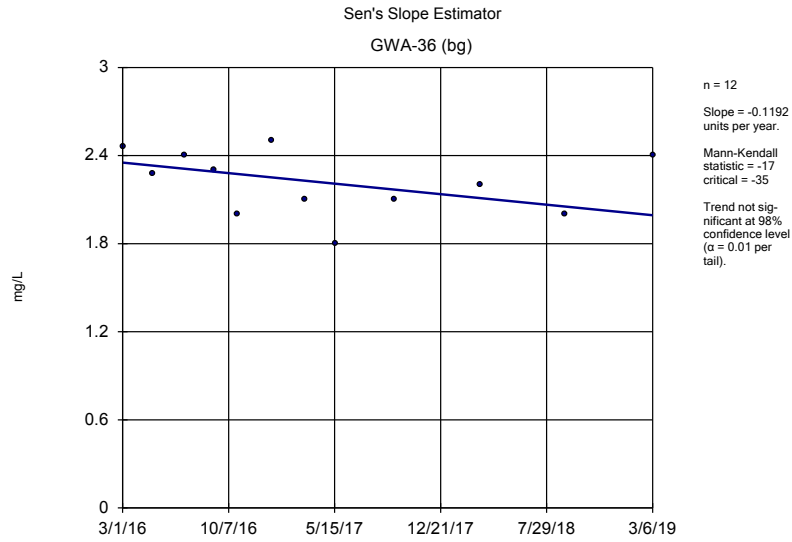
# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

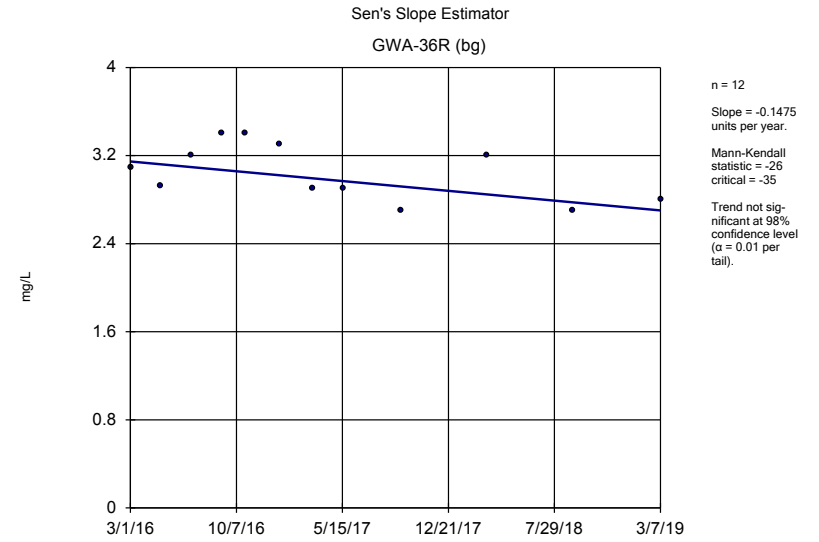
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GWA-51R\_51RZ ...

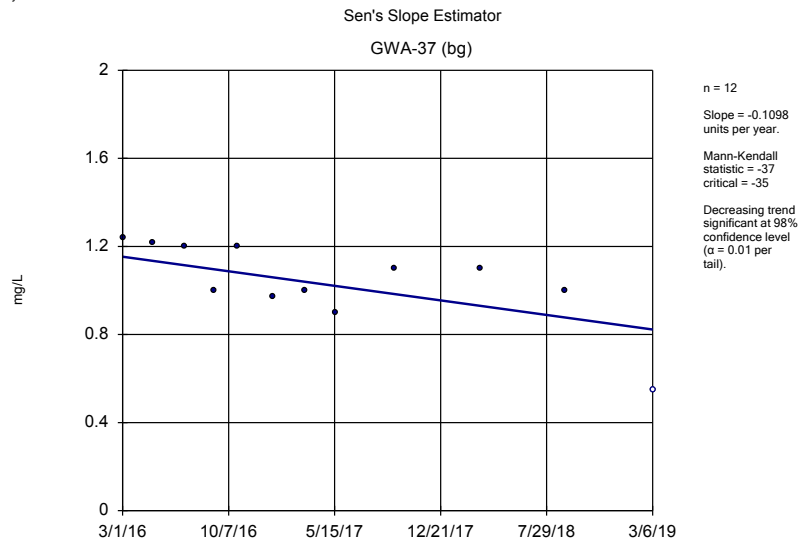
5/4/2016	43.4 (D)
7/7/2016	40.1 (D)
9/8/2016	37.1 (D)
10/26/2016	38.8 (D)
1/6/2017	39.6 (D)
3/15/2017	36.1 (D)
5/18/2017	40.1 (D)
7/19/2017	46.9 (D)
9/19/2017	47.7 (D)
3/13/2018	46.1 (D)
9/7/2018	44.2
3/8/2019	46.6



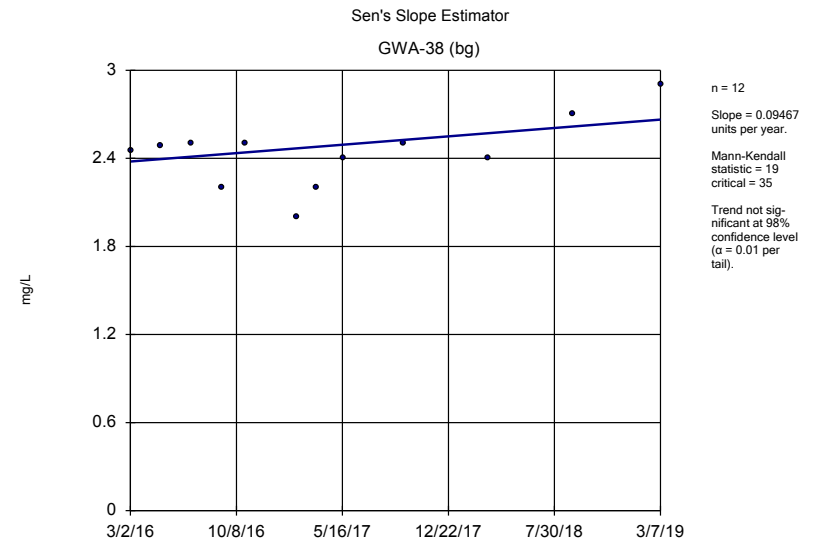
Constituent: Chloride Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36 (bg)
3/1/2016	2.4587
5/2/2016	2.28
7/7/2016	2.4
9/7/2016	2.3
10/25/2016	2
1/5/2017	2.5 (J)
3/15/2017	2.1
5/17/2017	1.8
9/15/2017	2.1
3/12/2018	2.2
9/6/2018	2
3/6/2019	2.4



# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R (bg)
3/1/2016	3.096
5/2/2016	2.92
7/6/2016	3.2
9/7/2016	3.4
10/25/2016	3.4
1/5/2017	3.3
3/14/2017	2.9
5/16/2017	2.9
9/15/2017	2.7
3/12/2018	3.2
9/6/2018	2.7
3/7/2019	2.8

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37 (bg)
3/1/2016	1.2389
5/3/2016	1.22
7/8/2016	1.2
9/7/2016	1
10/25/2016	1.2
1/6/2017	0.97
3/14/2017	1
5/16/2017	0.9
9/15/2017	1.1
3/12/2018	1.1
9/6/2018	1
3/6/2019	<1.1

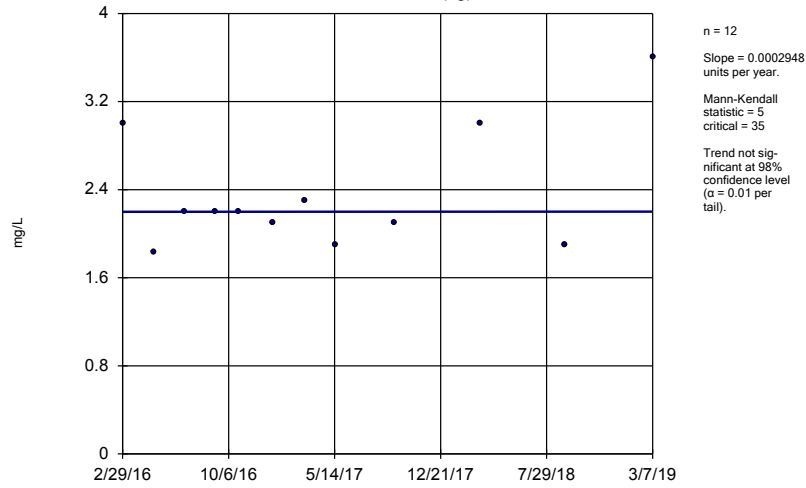
# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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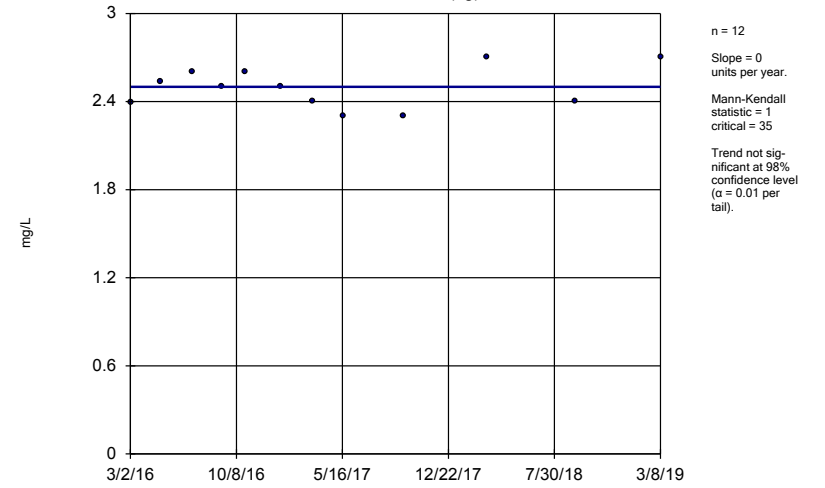
	GWA-38 (bg)
3/2/2016	2.4559
5/3/2016	2.49
7/7/2016	2.5
9/8/2016	2.2
10/25/2016	2.5
2/9/2017	2
3/23/2017	2.2
5/17/2017	2.4
9/19/2017	2.5
3/13/2018	2.4
9/6/2018	2.7
3/7/2019	2.9

Sen's Slope Estimator  
GWA-52 (bg)



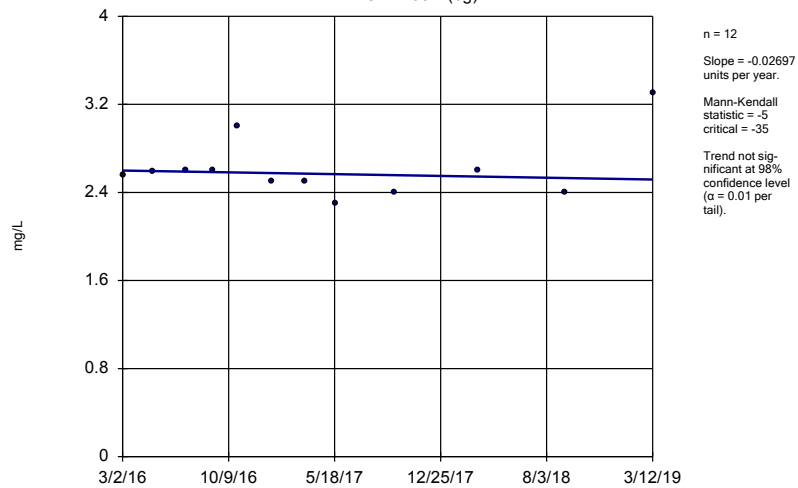
Constituent: Chloride Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-53 (bg)



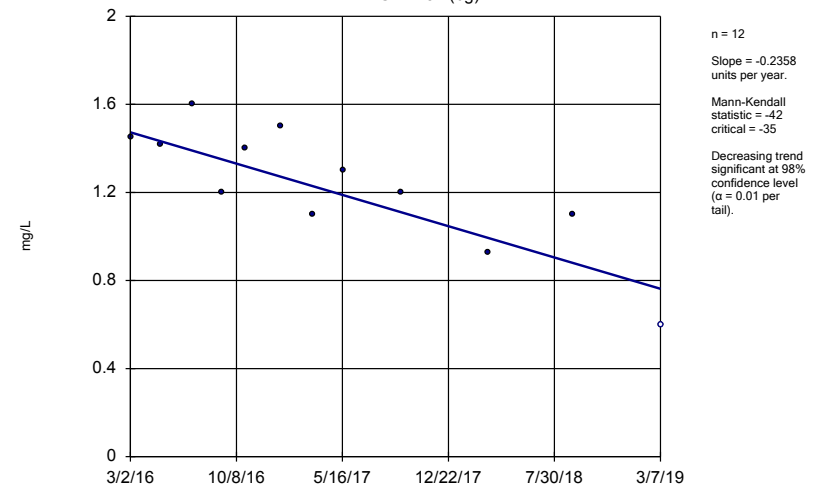
Constituent: Chloride Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-53R (bg)



Constituent: Chloride Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-54 (bg)



Constituent: Chloride Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52 (bg)
2/29/2016	2.9988
5/4/2016	1.83
7/8/2016	2.2
9/8/2016	2.2
10/26/2016	2.2
1/6/2017	2.1
3/15/2017	2.3
5/17/2017	1.9
9/15/2017	2.1
3/13/2018	3
9/6/2018	1.9
3/7/2019	3.6

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53 (bg)
3/2/2016	2.3976
5/3/2016	2.54
7/8/2016	2.6
9/8/2016	2.5
10/26/2016	2.6
1/9/2017	2.5
3/16/2017	2.4
5/19/2017	2.3
9/19/2017	2.3
3/13/2018	2.7
9/11/2018	2.4
3/8/2019	2.7

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53R (bg)
3/2/2016	2.556
5/3/2016	2.59
7/11/2016	2.6
9/7/2016	2.6
10/27/2016	3
1/6/2017	2.5
3/16/2017	2.5
5/19/2017	2.3
9/19/2017	2.4
3/13/2018	2.6
9/11/2018	2.4
3/12/2019	3.3

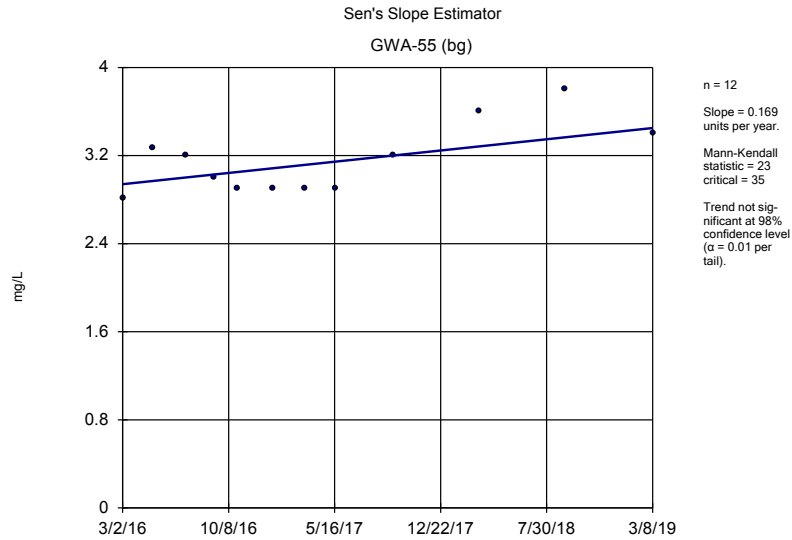
# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

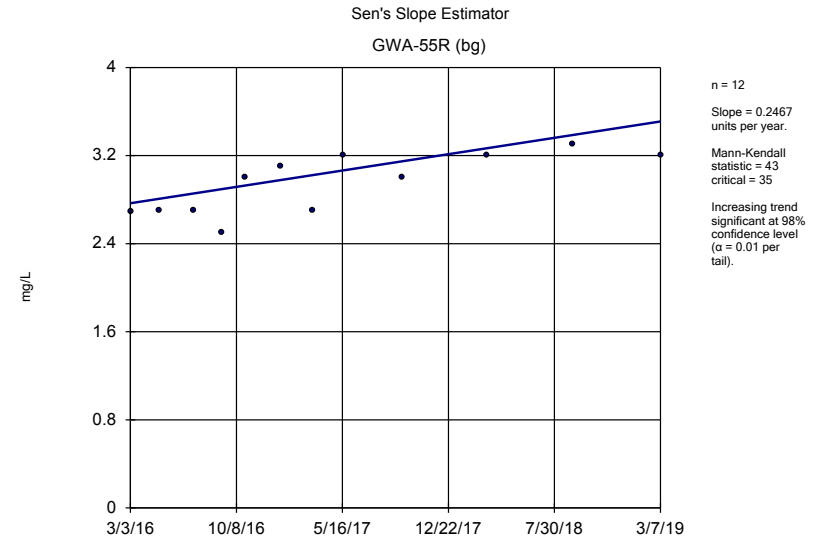
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	GWA-54 (bg)
3/2/2016	1.4496
5/4/2016	1.42
7/8/2016	1.6
9/8/2016	1.2
10/26/2016	1.4
1/9/2017	1.5
3/15/2017	1.1
5/18/2017	1.3
9/15/2017	1.2
3/13/2018	0.93
9/6/2018	1.1
3/7/2019	<1.2

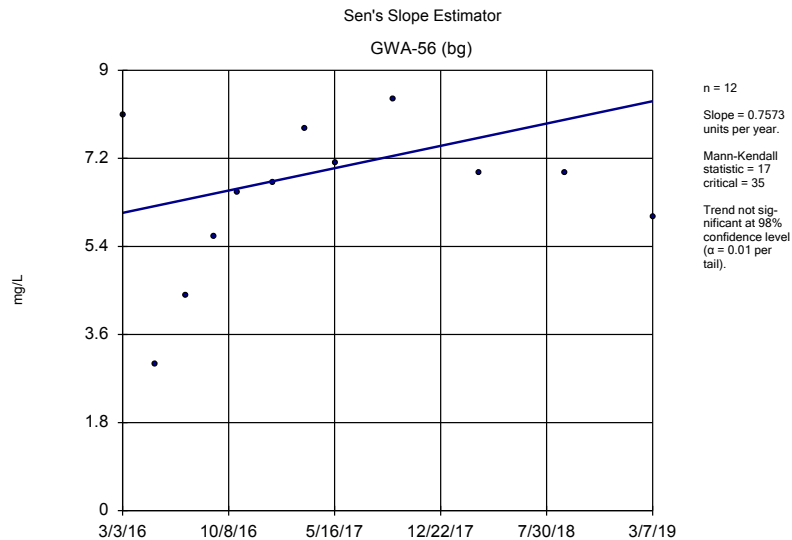




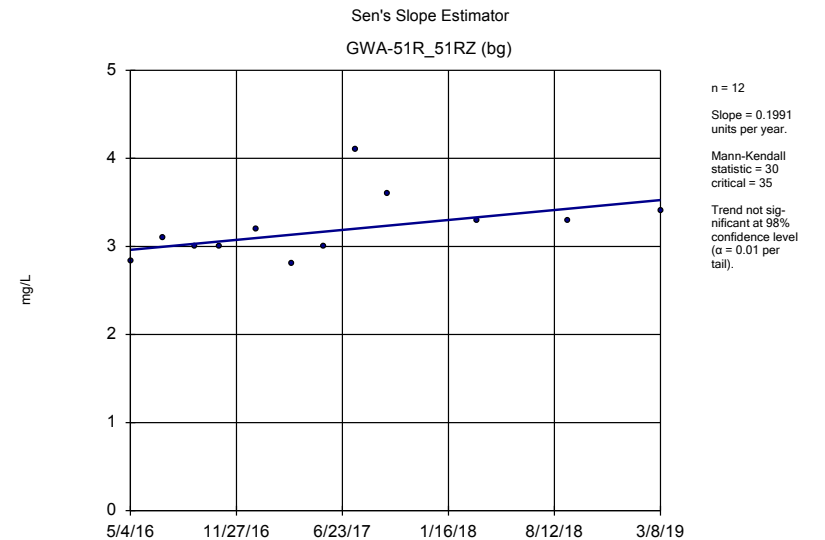
Constituent: Chloride Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

---

	GWA-55 (bg)
3/2/2016	2.815
5/3/2016	3.27
7/11/2016	3.2
9/9/2016	3
10/26/2016	2.9
1/9/2017	2.9
3/16/2017	2.9
5/18/2017	2.9
9/15/2017	3.2
3/12/2018	3.6
9/7/2018	3.8
3/8/2019	3.4

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R (bg)
3/3/2016	2.6912
5/3/2016	2.7
7/11/2016	2.7
9/9/2016	2.5
10/27/2016	3
1/9/2017	3.1
3/16/2017	2.7
5/18/2017	3.2
9/18/2017	3
3/12/2018	3.2
9/7/2018	3.3
3/7/2019	3.2

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56 (bg)
3/3/2016	8.0925
5/9/2016	2.99
7/11/2016	4.4
9/9/2016	5.6
10/26/2016	6.5
1/9/2017	6.7
3/15/2017	7.8
5/18/2017	7.1
9/15/2017	8.4
3/13/2018	6.9
9/7/2018	6.9
3/7/2019	6

# Sen's Slope Estimator

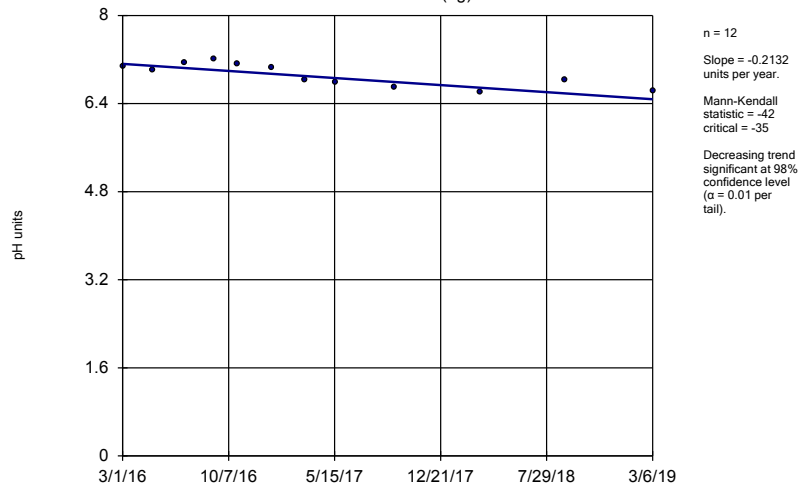
Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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GWA-51R\_51RZ ...

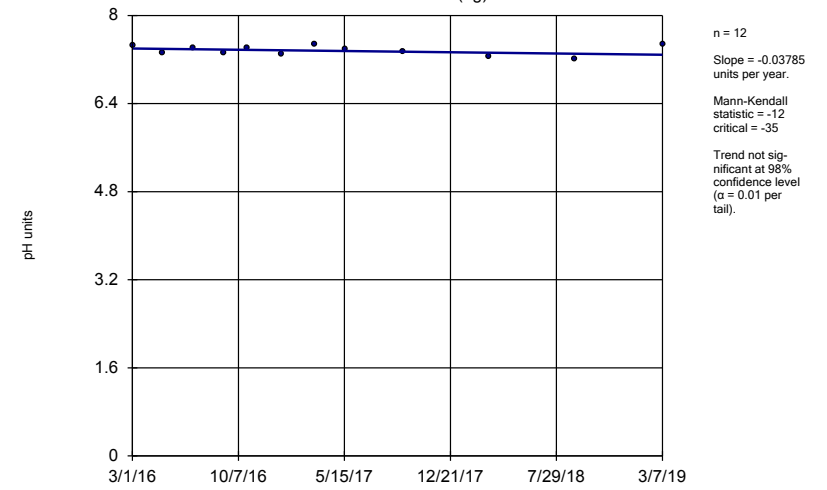
5/4/2016	2.83 (D)
7/7/2016	3.1 (D)
9/8/2016	3 (D)
10/26/2016	3 (D)
1/6/2017	3.2 (D)
3/15/2017	2.8 (D)
5/18/2017	3 (D)
7/19/2017	4.1 (D)
9/19/2017	3.6 (D)
3/13/2018	3.3
9/7/2018	3.3
3/8/2019	3.4

Sen's Slope Estimator  
GWA-36 (bg)



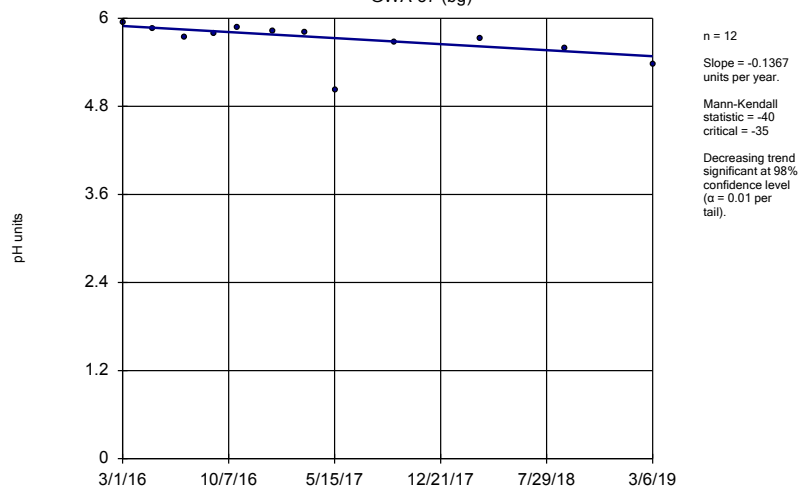
Constituent: pH Analysis Run 8/28/2019 10:40 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-36R (bg)



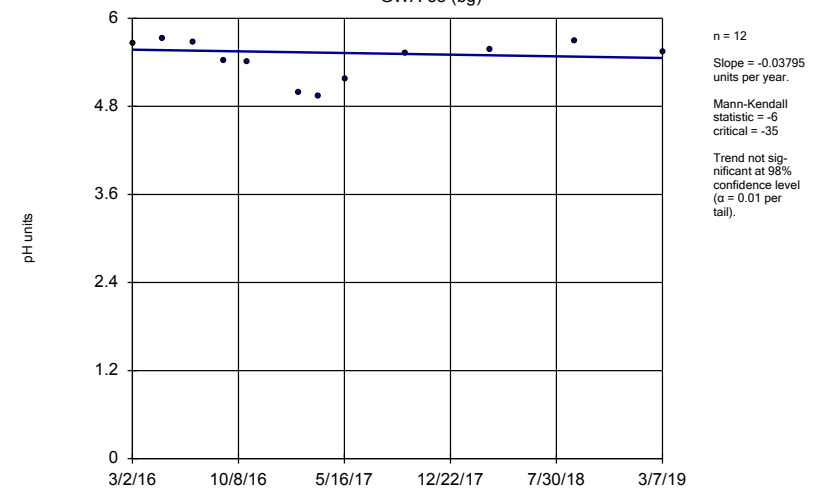
Constituent: pH Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-37 (bg)



Constituent: pH Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-38 (bg)



Constituent: pH Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36 (bg)
3/1/2016	7.07
5/2/2016	7
7/7/2016	7.15
9/7/2016	7.2
10/25/2016	7.12
1/5/2017	7.05
3/15/2017	6.84
5/17/2017	6.78
9/15/2017	6.7
3/12/2018	6.6
9/6/2018	6.83
3/6/2019	6.64

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R (bg)
3/1/2016	7.45
5/2/2016	7.31
7/6/2016	7.4
9/7/2016	7.32
10/25/2016	7.4
1/5/2017	7.29
3/14/2017	7.48
5/16/2017	7.38
9/15/2017	7.35
3/12/2018	7.26
9/6/2018	7.21
3/7/2019	7.48



# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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GWA-37 (bg)

3/1/2016	5.94 (D)
5/3/2016	5.85
7/8/2016	5.74
9/7/2016	5.79
10/25/2016	5.88
1/6/2017	5.82
3/14/2017	5.8
5/16/2017	5.02
9/15/2017	5.68
3/12/2018	5.72
9/6/2018	5.59
3/6/2019	5.38

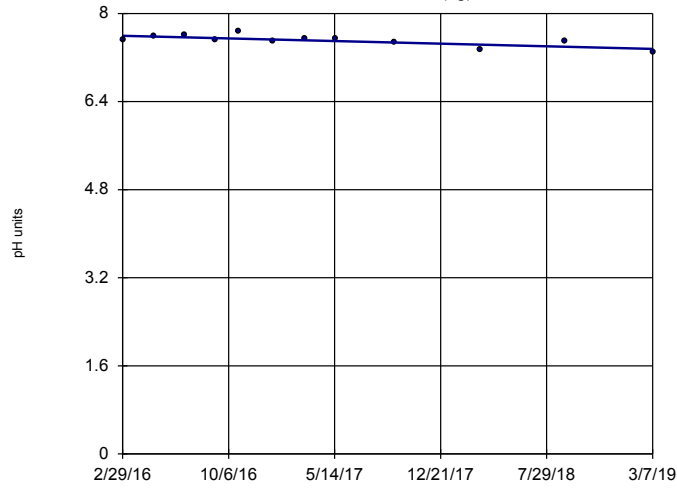
# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38 (bg)
3/2/2016	5.65
5/3/2016	5.72
7/7/2016	5.68
9/8/2016	5.42
10/25/2016	5.41
2/9/2017	4.99
3/23/2017	4.94
5/17/2017	5.18
9/19/2017	5.53
3/13/2018	5.57
9/6/2018	5.69
3/7/2019	5.54

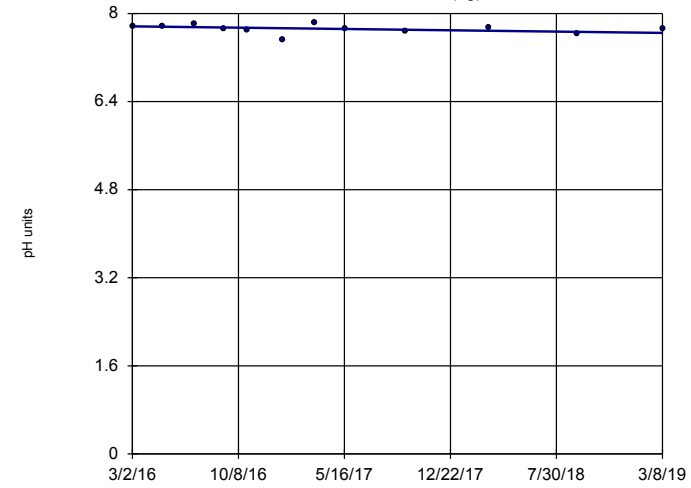
Sen's Slope Estimator  
GWA-52 (bg)



n = 12  
 Slope = -0.07832  
 units per year.  
 Mann-Kendall  
 statistic = -32  
 critical = -35  
 Trend not sig-  
 nificant at 98%  
 confidence level  
 (α = 0.01 per  
 tail).

Constituent: pH Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

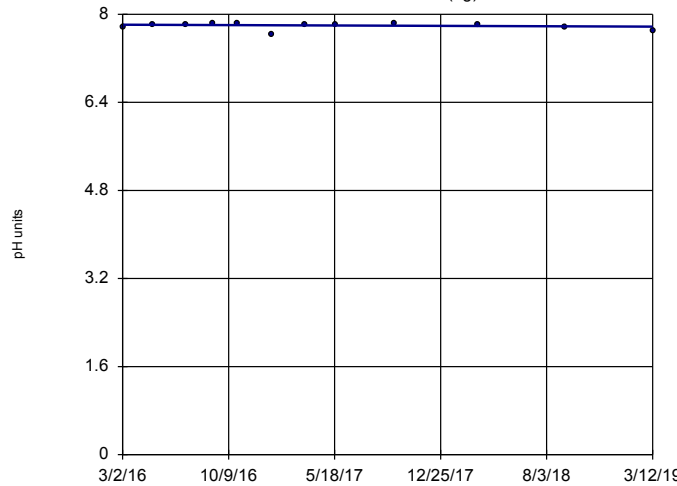
Sen's Slope Estimator  
GWA-53 (bg)



n = 12  
 Slope = -0.03961  
 units per year.  
 Mann-Kendall  
 statistic = -21  
 critical = -35  
 Trend not sig-  
 nificant at 98%  
 confidence level  
 (α = 0.01 per  
 tail).

Constituent: pH Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

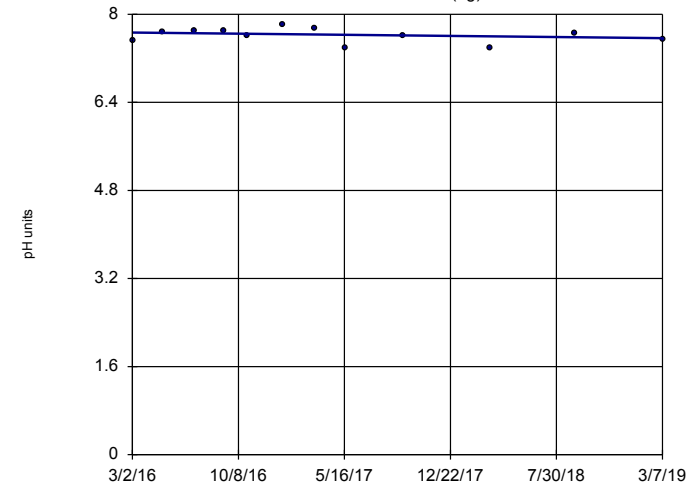
Sen's Slope Estimator  
GWA-53R (bg)



n = 12  
 Slope = -0.01183  
 units per year.  
 Mann-Kendall  
 statistic = -7  
 critical = -35  
 Trend not sig-  
 nificant at 98%  
 confidence level  
 (α = 0.01 per  
 tail).

Constituent: pH Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-54 (bg)



n = 12  
 Slope = -0.03289  
 units per year.  
 Mann-Kendall  
 statistic = -9  
 critical = -35  
 Trend not sig-  
 nificant at 98%  
 confidence level  
 (α = 0.01 per  
 tail).

Constituent: pH Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52 (bg)
2/29/2016	7.52
5/4/2016	7.59
7/8/2016	7.61
9/8/2016	7.52
10/26/2016	7.67
1/6/2017	7.49
3/15/2017	7.55
5/17/2017	7.55
9/15/2017	7.48
3/13/2018	7.34
9/6/2018	7.5
3/7/2019	7.29

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53 (bg)
3/2/2016	7.77 (D)
5/3/2016	7.76
7/8/2016	7.82
9/8/2016	7.73
10/26/2016	7.71
1/9/2017	7.52
3/16/2017	7.84
5/19/2017	7.72
9/19/2017	7.68
3/13/2018	7.74
9/11/2018	7.64
3/8/2019	7.73

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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GWA-53R (bg)

3/2/2016	7.76
5/3/2016	7.8
7/11/2016	7.82
9/7/2016	7.83
10/27/2016	7.84
1/6/2017	7.63
3/16/2017	7.8
5/19/2017	7.81
9/19/2017	7.84
3/13/2018	7.8
9/11/2018	7.76
3/12/2019	7.7

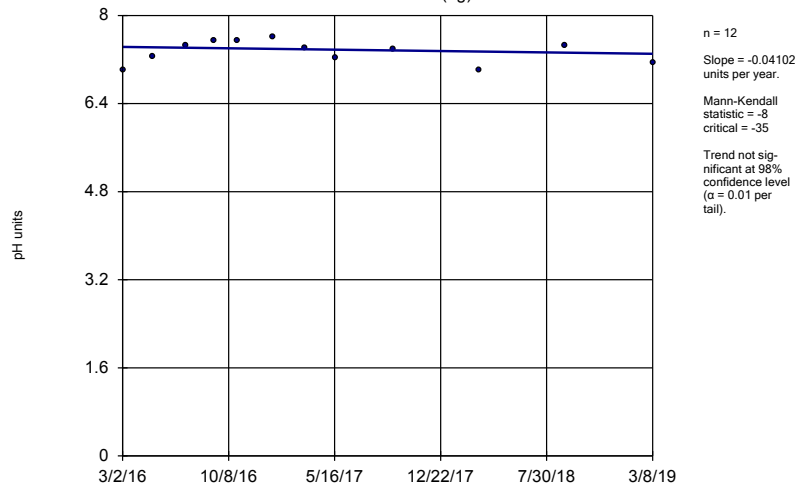
# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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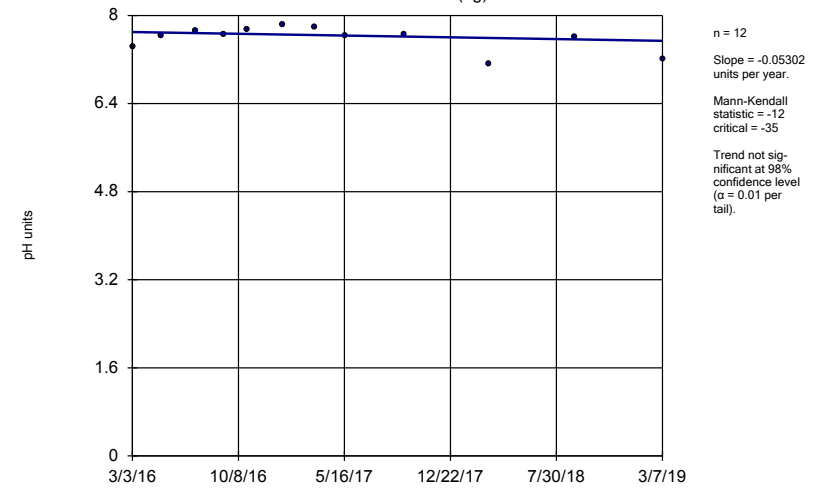
	GWA-54 (bg)
3/2/2016	7.51
5/4/2016	7.68
7/8/2016	7.7
9/8/2016	7.71
10/26/2016	7.6
1/9/2017	7.81
3/15/2017	7.74
5/18/2017	7.39
9/15/2017	7.61
3/13/2018	7.39
9/6/2018	7.66
3/7/2019	7.55

Sen's Slope Estimator  
GWA-55 (bg)



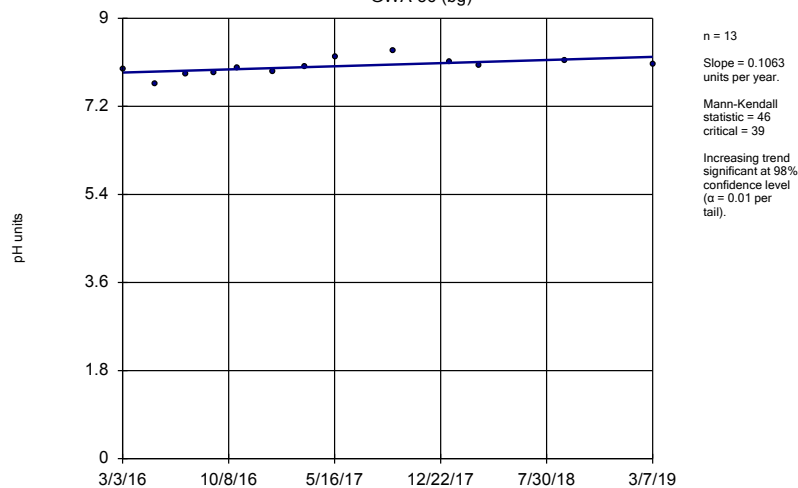
Constituent: pH Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-55R (bg)



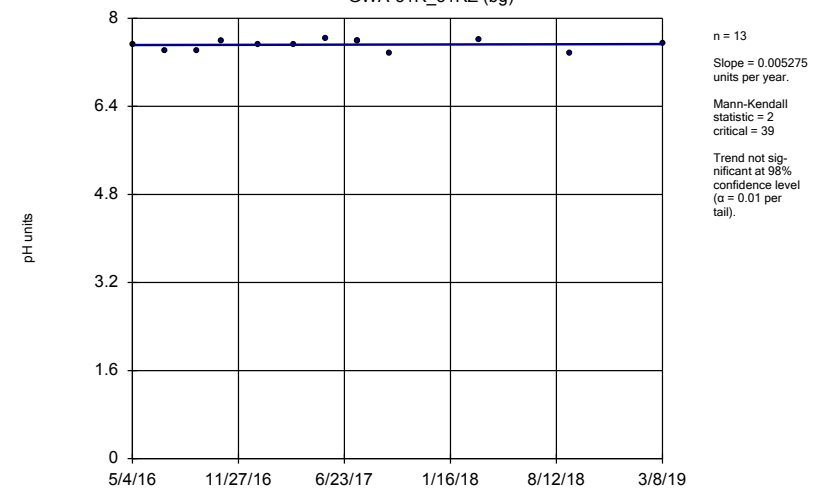
Constituent: pH Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-56 (bg)



Constituent: pH Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-51R\_51RZ (bg)



Constituent: pH Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55 (bg)
3/2/2016	7.01
5/3/2016	7.26
7/11/2016	7.45
9/9/2016	7.55
10/26/2016	7.55
1/9/2017	7.62
3/16/2017	7.4
5/18/2017	7.24
9/15/2017	7.38
3/12/2018	7
9/7/2018	7.45
3/8/2019	7.14

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R (bg)
3/3/2016	7.44
5/3/2016	7.64
7/11/2016	7.72
9/9/2016	7.66
10/27/2016	7.75
1/9/2017	7.83
3/16/2017	7.78
5/18/2017	7.64
9/18/2017	7.66
3/12/2018	7.11
9/7/2018	7.6
3/7/2019	7.22

# Sen's Slope Estimator

Constituent: pH (pH units) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56 (bg)
3/3/2016	7.95 (D)
5/9/2016	7.66
7/11/2016	7.86
9/9/2016	7.89
10/26/2016	7.98
1/9/2017	7.9
3/15/2017	8
5/18/2017	8.21
9/15/2017	8.34
1/9/2018	8.1 (Y)
3/13/2018	8.03
9/7/2018	8.14
3/7/2019	8.05

# Sen's Slope Estimator

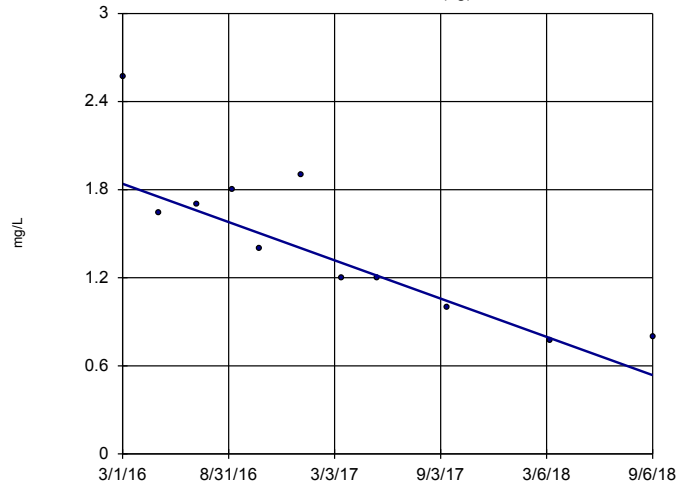
Constituent: pH (pH units) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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GWA-51R\_51RZ ...

5/4/2016	7.52 (D)
7/7/2016	7.42 (D)
9/8/2016	7.4 (D)
10/26/2016	7.59 (D)
1/6/2017	7.51 (D)
3/15/2017	7.51 (D)
5/18/2017	7.64 (D)
7/18/2017	7.58
7/19/2017	7.58 (D)
9/19/2017	7.37 (D)
3/13/2018	7.62
9/7/2018	7.36
3/8/2019	7.55

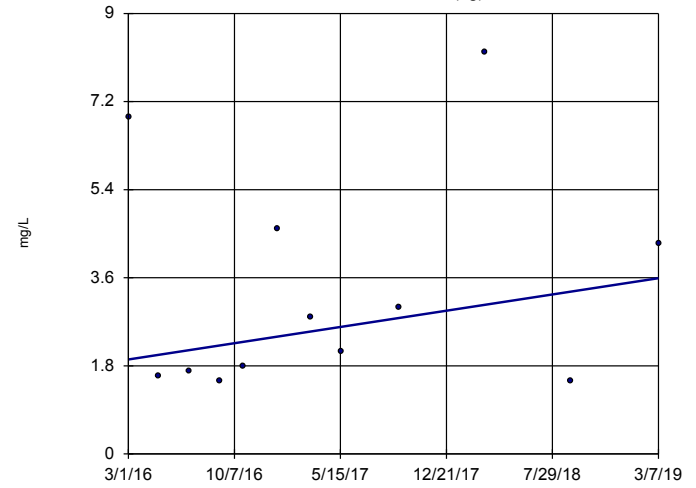
Sen's Slope Estimator  
GWA-36 (bg)



n = 11  
 Slope = -0.5177  
 units per year.  
 Mann-Kendall  
 statistic = -38  
 critical = -31  
 Decreasing trend  
 significant at 98%  
 confidence level  
 ( $\alpha = 0.01$  per  
 tail).

Constituent: Sulfate Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

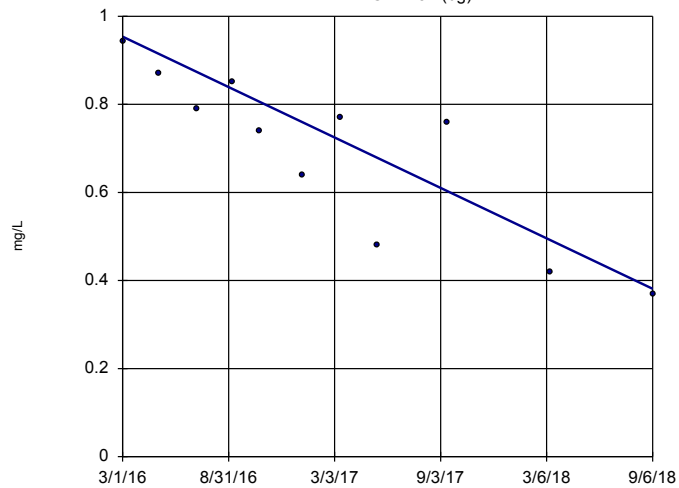
Sen's Slope Estimator  
GWA-36R (bg)



n = 12  
 Slope = 0.5505  
 units per year.  
 Mann-Kendall  
 statistic = 13  
 critical = 35  
 Trend not sig-  
 nificant at 98%  
 confidence level  
 ( $\alpha = 0.01$  per  
 tail).

Constituent: Sulfate Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

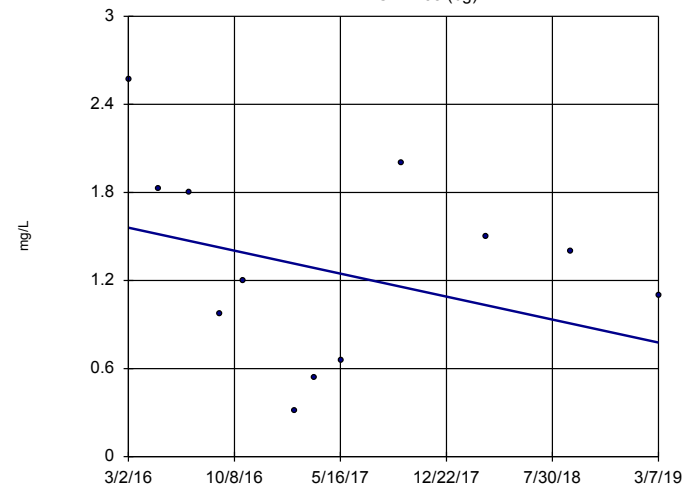
Sen's Slope Estimator  
GWA-37 (bg)



n = 11  
 Slope = -0.2275  
 units per year.  
 Mann-Kendall  
 statistic = -43  
 critical = -31  
 Decreasing trend  
 significant at 98%  
 confidence level  
 ( $\alpha = 0.01$  per  
 tail).

Constituent: Sulfate Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-38 (bg)



n = 12  
 Slope = -0.2596  
 units per year.  
 Mann-Kendall  
 statistic = -16  
 critical = -35  
 Trend not sig-  
 nificant at 98%  
 confidence level  
 ( $\alpha = 0.01$  per  
 tail).

Constituent: Sulfate Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36 (bg)
3/1/2016	2.5655
5/2/2016	1.64
7/7/2016	1.7
9/7/2016	1.8
10/25/2016	1.4
1/5/2017	1.9 (J)
3/15/2017	1.2
5/17/2017	1.2
9/15/2017	1
3/12/2018	0.77 (J)
9/6/2018	0.8 (J)
3/6/2019	0.45 (X)

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R (bg)
3/1/2016	6.8929
5/2/2016	1.6
7/6/2016	1.7
9/7/2016	1.5
10/25/2016	1.8
1/5/2017	4.6
3/14/2017	2.8
5/16/2017	2.1
9/15/2017	3
3/12/2018	8.2
9/6/2018	1.5
3/7/2019	4.3

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37 (bg)
3/1/2016	0.9427 (J)
5/3/2016	0.87 (J)
7/8/2016	0.79 (J)
9/7/2016	0.85 (J)
10/25/2016	0.74 (J)
1/6/2017	0.64 (J)
3/14/2017	0.77 (J)
5/16/2017	0.48 (J)
9/15/2017	0.76 (J)
3/12/2018	0.42 (J)
9/6/2018	0.37 (J)
3/6/2019	0.46 (X)



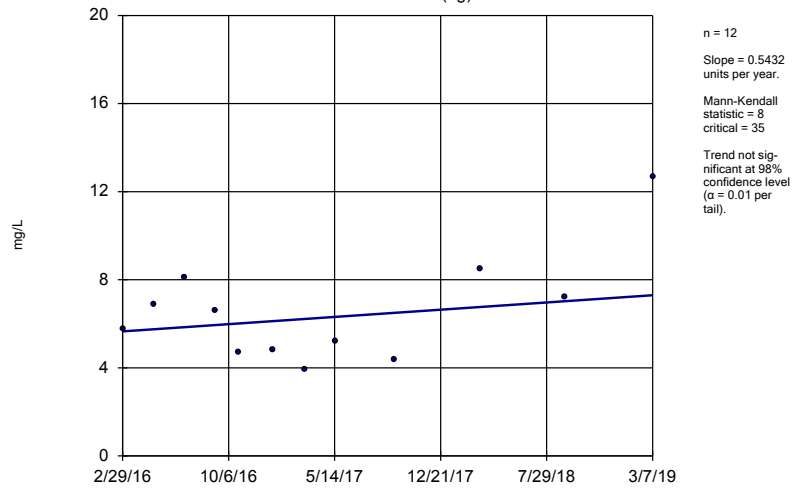
# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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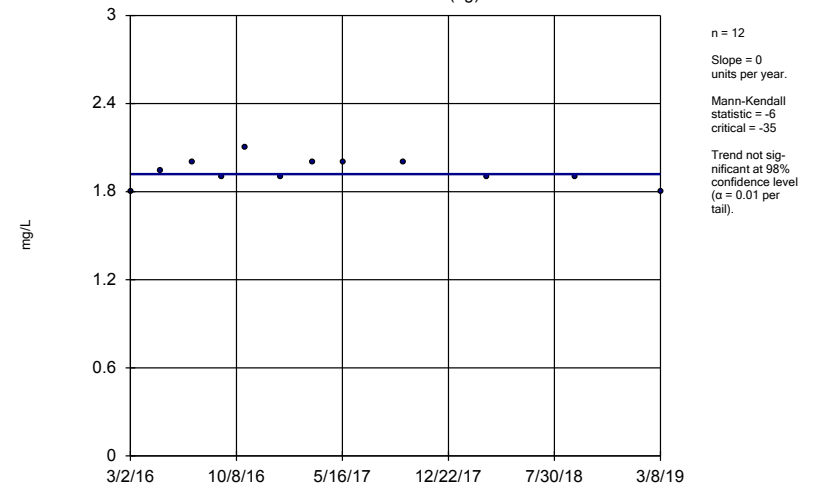
	GWA-38 (bg)
3/2/2016	2.5669
5/3/2016	1.83
7/7/2016	1.8
9/8/2016	0.97 (J)
10/25/2016	1.2
2/9/2017	0.31 (J)
3/23/2017	0.54 (J)
5/17/2017	0.66 (J)
9/19/2017	2
3/13/2018	1.5
9/6/2018	1.4
3/7/2019	1.1

Sen's Slope Estimator  
GWA-52 (bg)



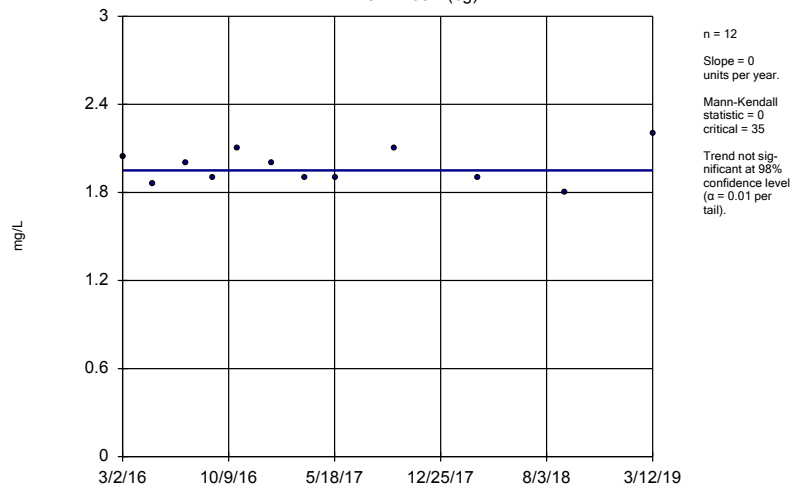
Constituent: Sulfate Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-53 (bg)



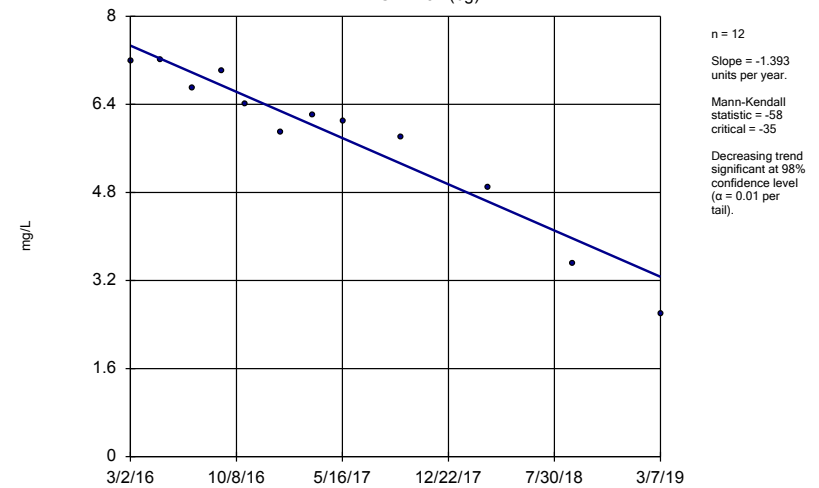
Constituent: Sulfate Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-53R (bg)



Constituent: Sulfate Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-54 (bg)



Constituent: Sulfate Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52 (bg)
2/29/2016	5.7396
5/4/2016	6.87
7/8/2016	8.1
9/8/2016	6.6
10/26/2016	4.7
1/6/2017	4.8
3/15/2017	3.9
5/17/2017	5.2
9/15/2017	4.4
3/13/2018	8.5
9/6/2018	7.2
3/7/2019	12.7

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53 (bg)
3/2/2016	1.799
5/3/2016	1.94
7/8/2016	2
9/8/2016	1.9
10/26/2016	2.1
1/9/2017	1.9
3/16/2017	2
5/19/2017	2
9/19/2017	2
3/13/2018	1.9
9/11/2018	1.9
3/8/2019	1.8

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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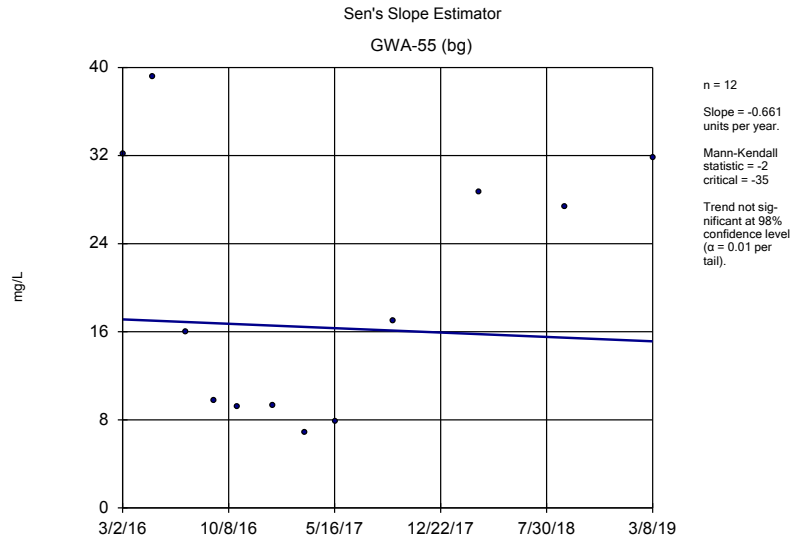
	GWA-53R (bg)
3/2/2016	2.0407
5/3/2016	1.86
7/11/2016	2
9/7/2016	1.9
10/27/2016	2.1
1/6/2017	2
3/16/2017	1.9
5/19/2017	1.9
9/19/2017	2.1
3/13/2018	1.9
9/11/2018	1.8
3/12/2019	2.2

# Sen's Slope Estimator

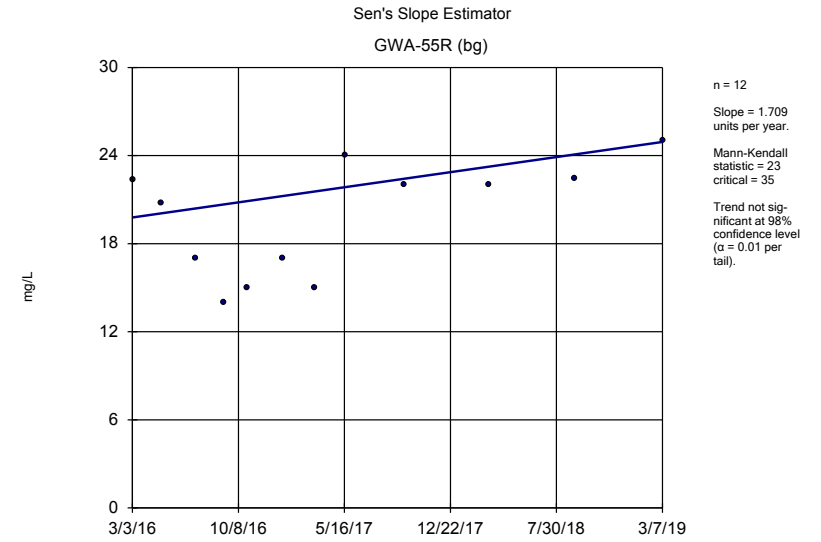
Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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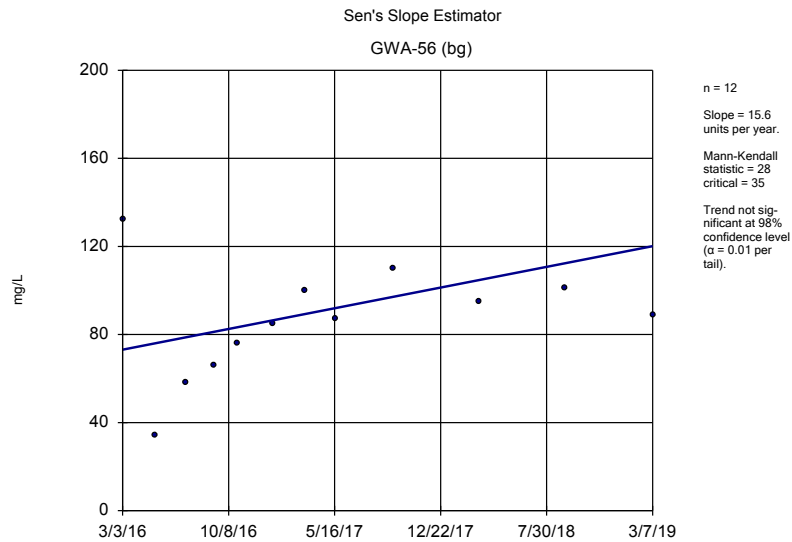
	GWA-54 (bg)
3/2/2016	7.1892
5/4/2016	7.22
7/8/2016	6.7
9/8/2016	7
10/26/2016	6.4
1/9/2017	5.9
3/15/2017	6.2
5/18/2017	6.1
9/15/2017	5.8
3/13/2018	4.9
9/6/2018	3.5
3/7/2019	2.6



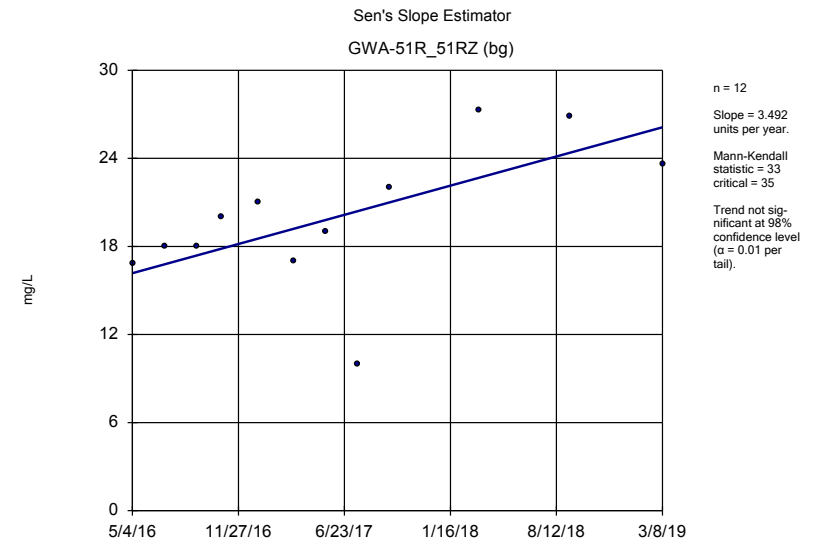
Constituent: Sulfate Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Sulfate Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Sulfate Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Sulfate Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55 (bg)
3/2/2016	32.178
5/3/2016	39.2
7/11/2016	16
9/9/2016	9.7
10/26/2016	9.2
1/9/2017	9.3
3/16/2017	6.9
5/18/2017	7.9
9/15/2017	17
3/12/2018	28.7
9/7/2018	27.4
3/8/2019	31.8



# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R (bg)
3/3/2016	22.316
5/3/2016	20.8
7/11/2016	17
9/9/2016	14
10/27/2016	15
1/9/2017	17
3/16/2017	15
5/18/2017	24
9/18/2017	22
3/12/2018	22
9/7/2018	22.4
3/7/2019	25

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56 (bg)
3/3/2016	132.4615
5/9/2016	34.3
7/11/2016	58
9/9/2016	66
10/26/2016	76
1/9/2017	85
3/15/2017	100
5/18/2017	87
9/15/2017	110
3/13/2018	94.8
9/7/2018	101
3/7/2019	88.7

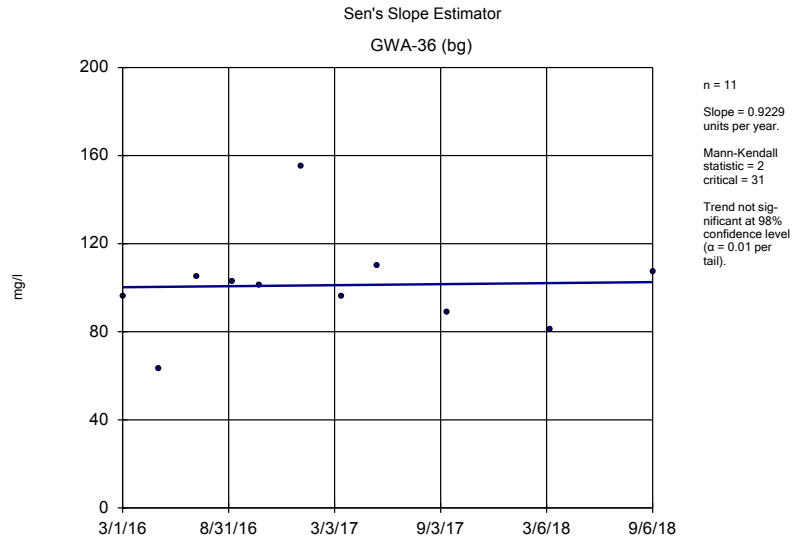
# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

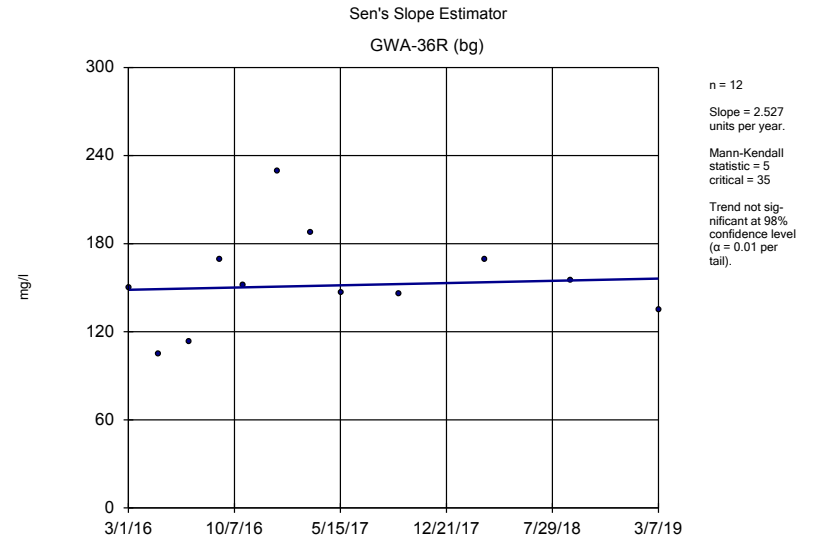
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GWA-51R\_51RZ ...

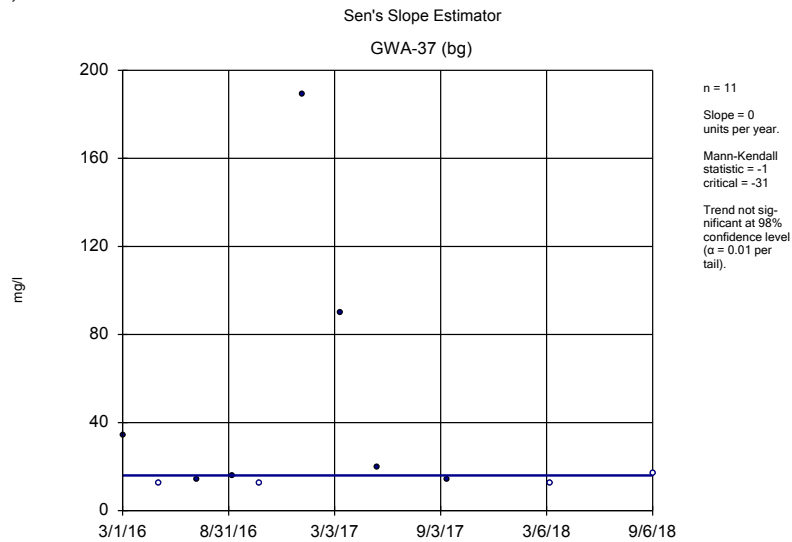
5/4/2016	16.8 (D)
7/7/2016	18 (D)
9/8/2016	18 (D)
10/26/2016	20 (D)
1/6/2017	21 (D)
3/15/2017	17 (D)
5/18/2017	19 (D)
7/19/2017	10 (D)
9/19/2017	22 (D)
3/13/2018	27.3
9/7/2018	26.9
3/8/2019	23.6



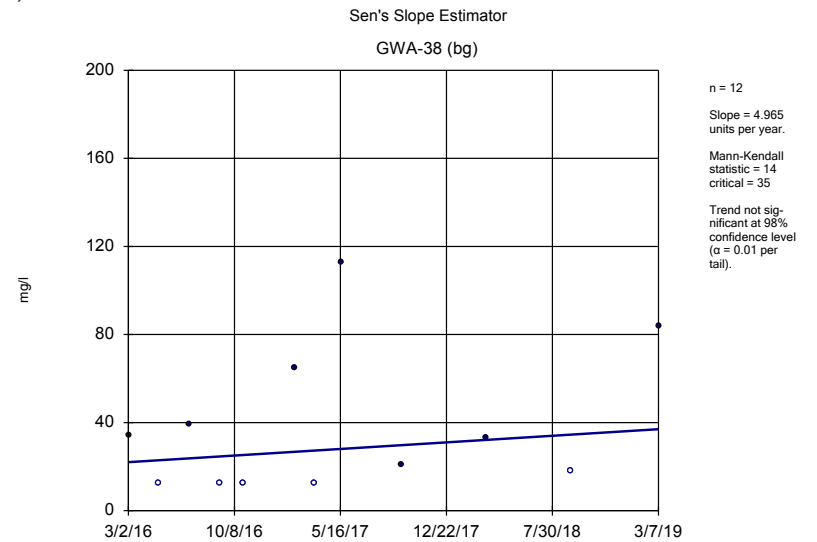
Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:41 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36 (bg)
3/1/2016	96 (D)
5/2/2016	63 (D)
7/7/2016	105 (D)
9/7/2016	103 (D)
10/25/2016	101 (D)
1/5/2017	155
3/15/2017	96
5/17/2017	110
9/15/2017	89
3/12/2018	81
9/6/2018	107
3/6/2019	71 (X)

# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R (bg)
3/1/2016	150 (D)
5/2/2016	105 (D)
7/6/2016	113 (D)
9/7/2016	169 (D)
10/25/2016	152 (D)
1/5/2017	229
3/14/2017	188
5/16/2017	147
9/15/2017	146
3/12/2018	169
9/6/2018	155
3/7/2019	135

# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-37 (bg)
3/1/2016	34 (D)
5/3/2016	<25 (D)
7/8/2016	14 (JD)
9/7/2016	16 (JD)
10/25/2016	<25 (D)
1/6/2017	189
3/14/2017	90
5/16/2017	20 (J)
9/15/2017	14 (J)
3/12/2018	<25
9/6/2018	<34
3/6/2019	22 (X)

# Sen's Slope Estimator

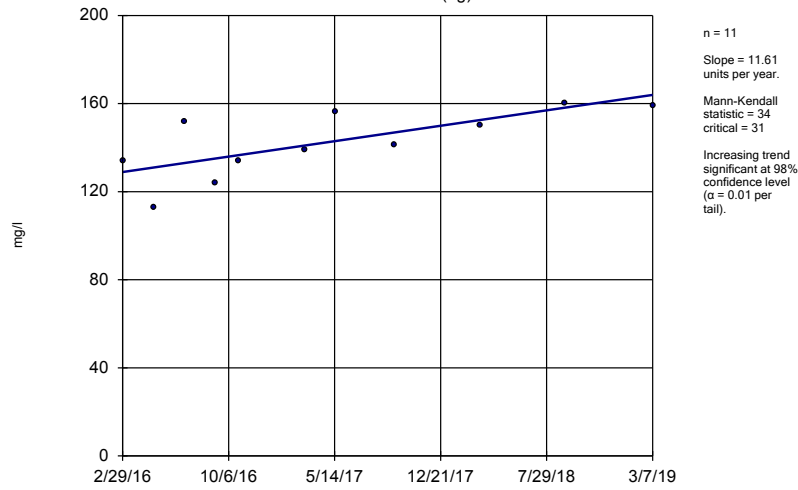
Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-38 (bg)
3/2/2016	34 (D)
5/3/2016	<25 (D)
7/7/2016	39 (D)
9/8/2016	<25 (D)
10/25/2016	<25 (D)
2/9/2017	65
3/23/2017	<25
5/17/2017	113
9/19/2017	21 (J)
3/13/2018	33
9/6/2018	<36
3/7/2019	84

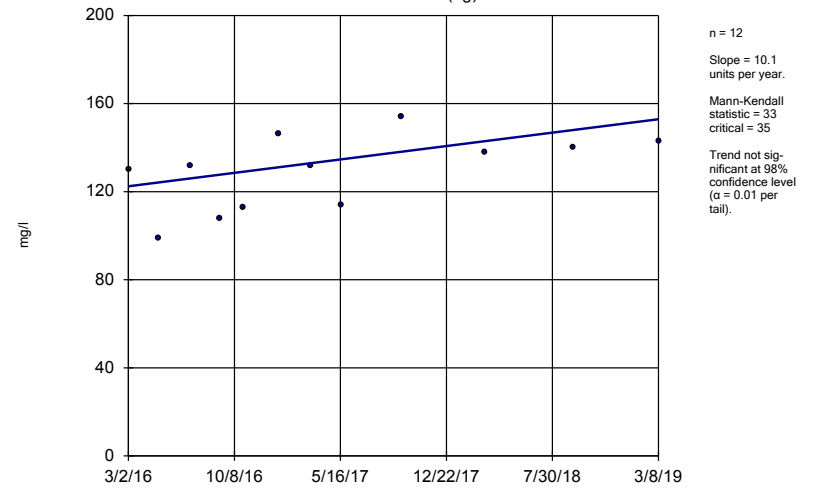


Sen's Slope Estimator  
GWA-52 (bg)



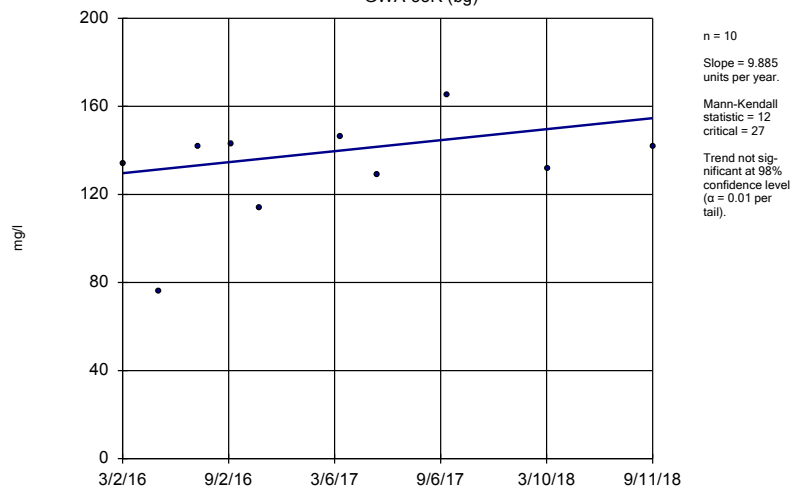
Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-53 (bg)



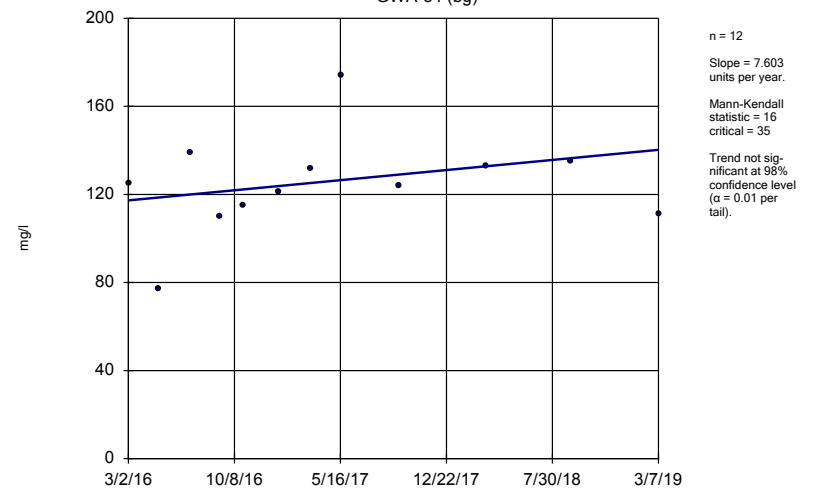
Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-53R (bg)



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWA-54 (bg)



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52 (bg)
2/29/2016	134 (D)
5/4/2016	113 (D)
7/8/2016	152 (D)
9/8/2016	124 (D)
10/26/2016	134 (D)
3/15/2017	139
5/17/2017	156
9/15/2017	141
3/13/2018	150
9/6/2018	160
3/7/2019	159

# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53 (bg)
3/2/2016	130 (D)
5/3/2016	99 (D)
7/8/2016	132 (D)
9/8/2016	108 (D)
10/26/2016	113 (D)
1/9/2017	146
3/16/2017	132
5/19/2017	114
9/19/2017	154
3/13/2018	138
9/11/2018	140
3/8/2019	143

# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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GWA-53R (bg)

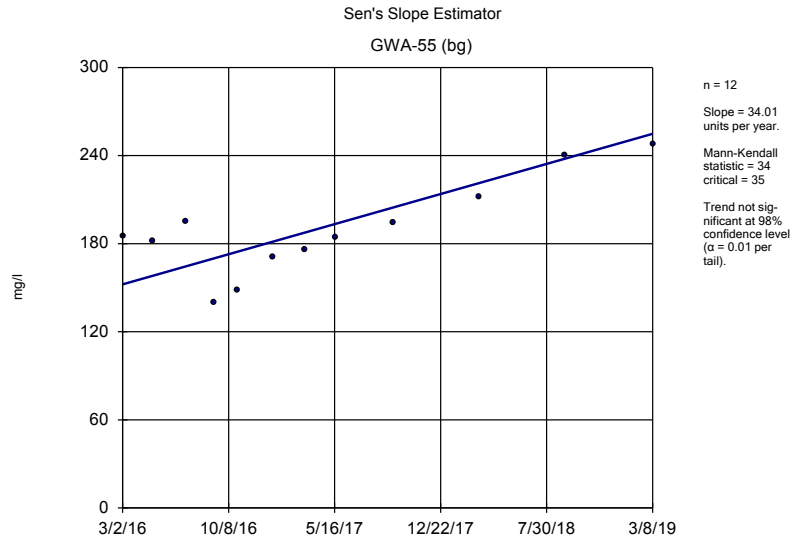
3/2/2016	134 (D)
5/3/2016	76 (D)
7/11/2016	142 (D)
9/7/2016	143 (D)
10/27/2016	114 (D)
3/16/2017	146
5/19/2017	129
9/19/2017	165
3/13/2018	132
9/11/2018	142
3/12/2019	150 (X)

# Sen's Slope Estimator

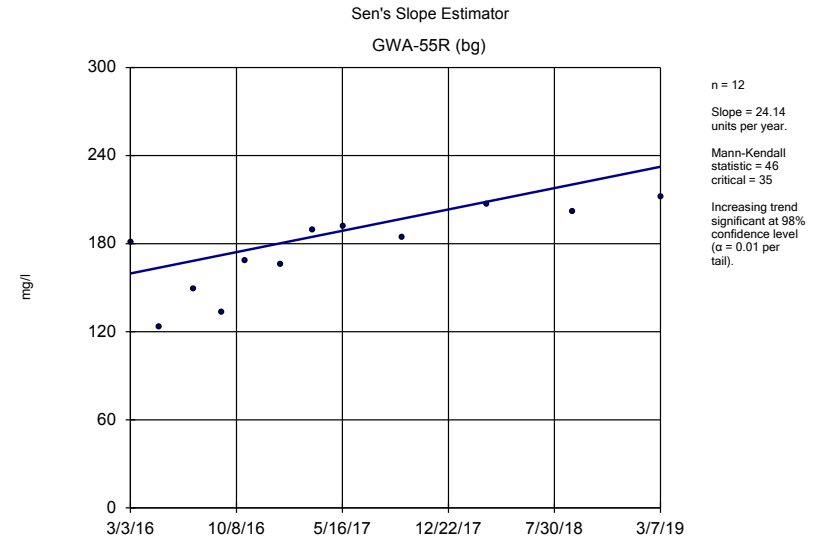
Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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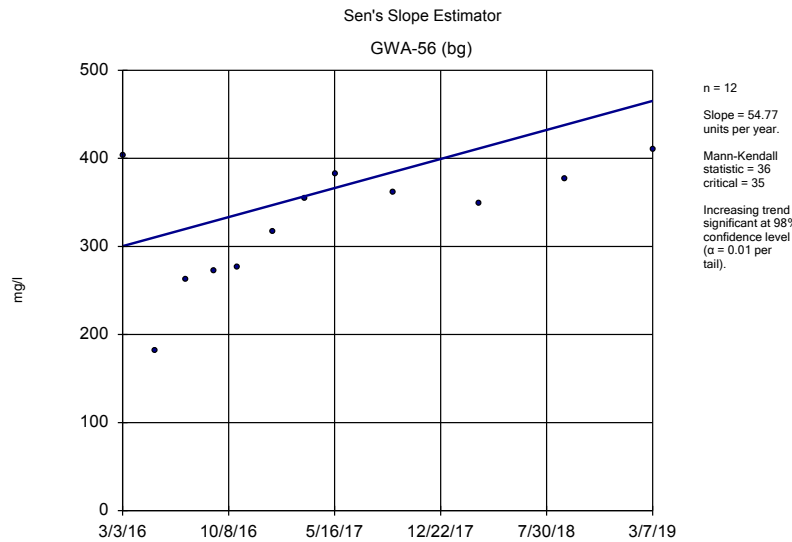
	GWA-54 (bg)
3/2/2016	125 (D)
5/4/2016	77 (D)
7/8/2016	139 (D)
9/8/2016	110 (D)
10/26/2016	115 (D)
1/9/2017	121
3/15/2017	132
5/18/2017	174
9/15/2017	124
3/13/2018	133
9/6/2018	135
3/7/2019	111



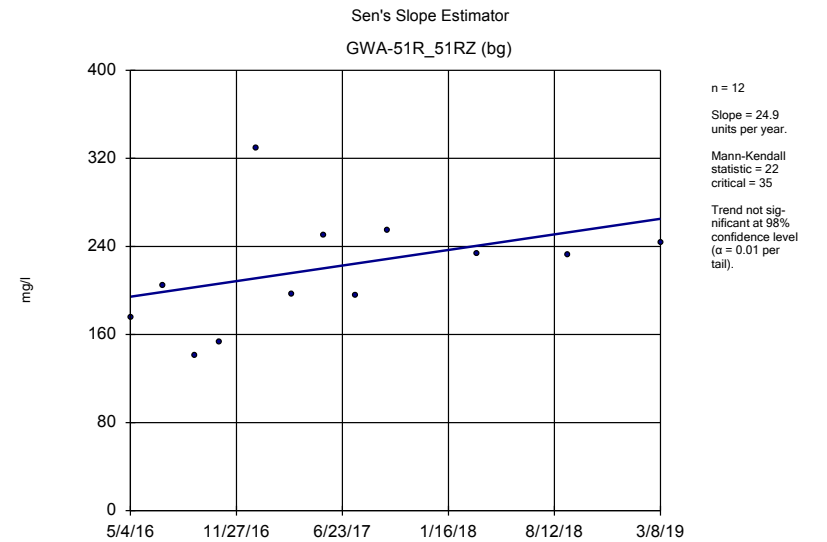
Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55 (bg)
3/2/2016	185 (D)
5/3/2016	182 (D)
7/11/2016	195 (D)
9/9/2016	140 (D)
10/26/2016	148 (D)
1/9/2017	171
3/16/2017	176
5/18/2017	184
9/15/2017	194
3/12/2018	212
9/7/2018	240
3/8/2019	248

# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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GWA-55R (bg)

3/3/2016	181 (D)
5/3/2016	123 (D)
7/11/2016	149 (D)
9/9/2016	133 (D)
10/27/2016	168 (D)
1/9/2017	166
3/16/2017	189
5/18/2017	192
9/18/2017	184
3/12/2018	207
9/7/2018	202
3/7/2019	212



# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56 (bg)
3/3/2016	403 (D)
5/9/2016	182 (D)
7/11/2016	262 (D)
9/9/2016	272 (D)
10/26/2016	276 (D)
1/9/2017	317
3/15/2017	355
5/18/2017	382
9/15/2017	362
3/13/2018	349
9/7/2018	377
3/7/2019	410

# Sen's Slope Estimator

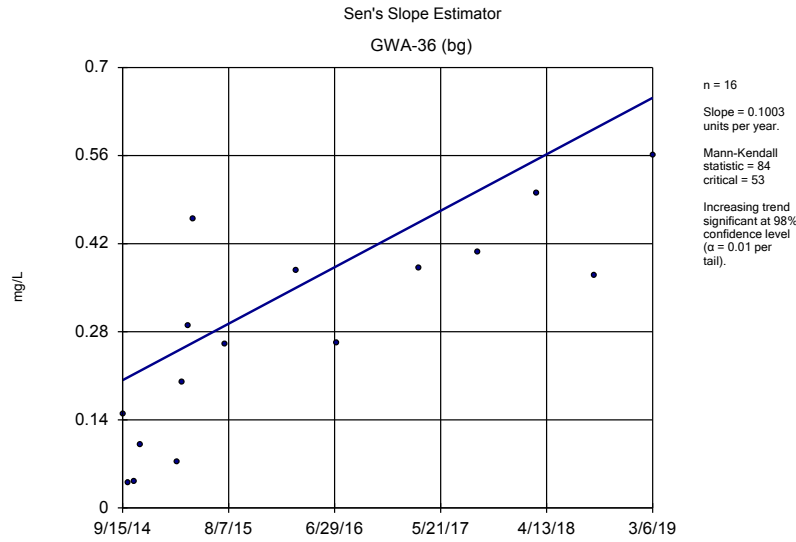
Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

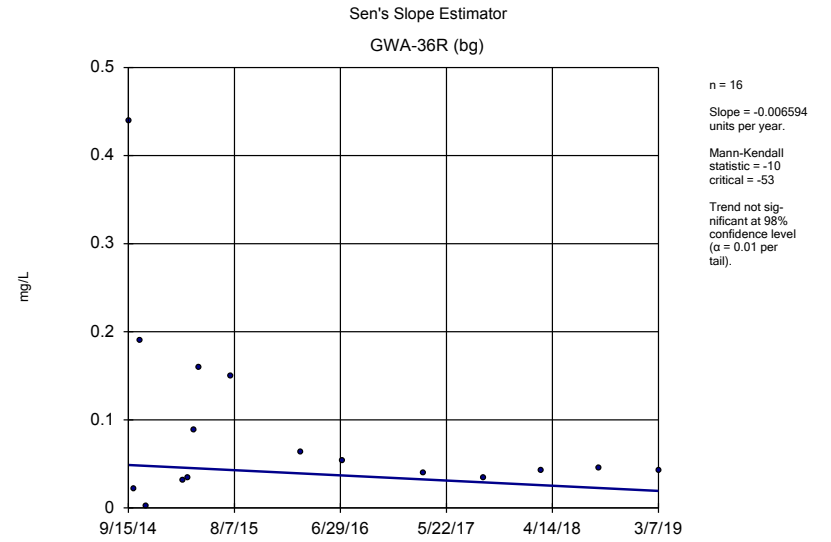
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GWA-51R\_51RZ ...

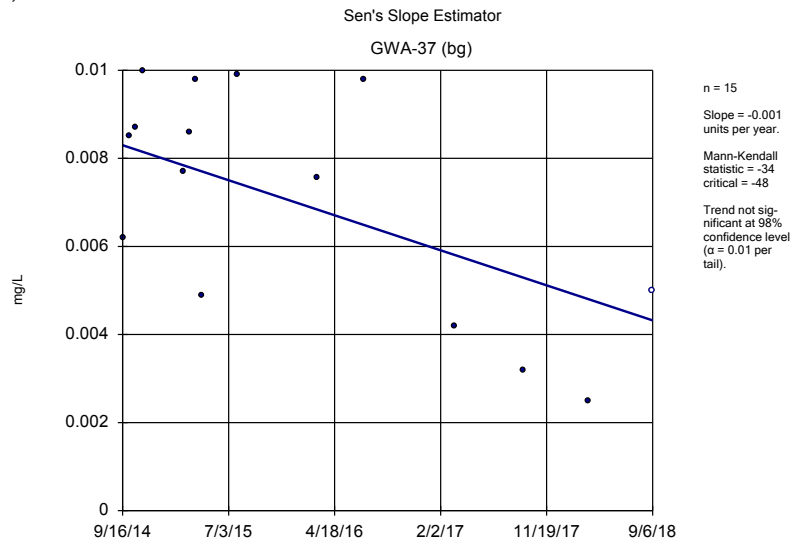
5/4/2016	175 (D)
7/7/2016	204 (D)
9/8/2016	141 (D)
10/26/2016	153 (D)
1/6/2017	329 (D)
3/15/2017	197 (D)
5/18/2017	250 (D)
7/19/2017	195 (D)
9/19/2017	255 (D)
3/13/2018	233
9/7/2018	232
3/8/2019	244



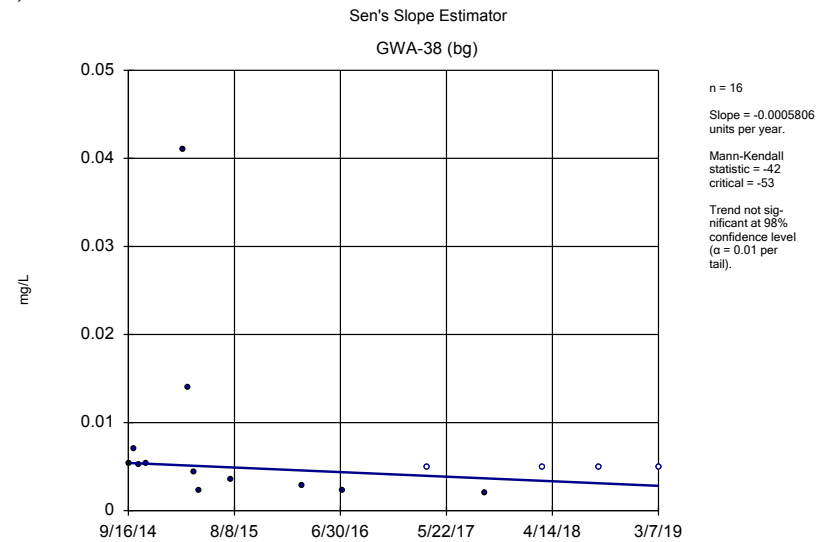
Constituent: Zinc Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36 (bg)
9/15/2014	0.15
10/3/2014	0.04
10/20/2014	0.042
11/10/2014	0.1
3/2/2015	0.073
3/17/2015	0.2
4/5/2015	0.29
4/21/2015	0.46
7/28/2015	0.26
3/1/2016	0.378
7/7/2016	0.263
3/15/2017	0.382
9/15/2017	0.406
3/12/2018	0.5
9/6/2018	0.37
3/6/2019	0.56

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-36R (bg)
9/15/2014	0.44
10/3/2014	0.021
10/20/2014	0.19
11/10/2014	0.0014 (J)
3/2/2015	0.032
3/17/2015	0.034
4/5/2015	0.089
4/21/2015	0.16
7/28/2015	0.15
3/1/2016	0.0627
7/6/2016	0.0532
3/14/2017	0.0401
9/15/2017	0.0338
3/12/2018	0.042
9/6/2018	0.045
3/7/2019	0.043

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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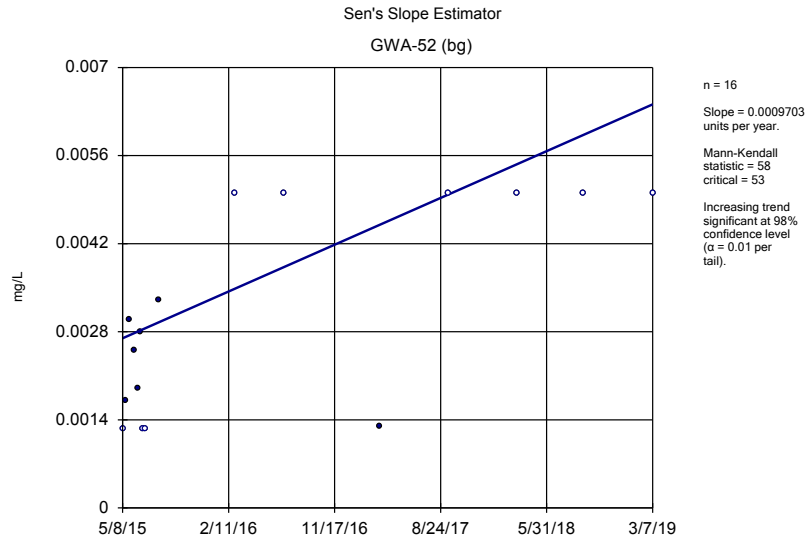
	GWA-37 (bg)
9/16/2014	0.0062
10/3/2014	0.0085
10/20/2014	0.0087
11/10/2014	0.01
3/2/2015	0.0077
3/17/2015	0.0086
4/5/2015	0.0098
4/22/2015	0.0049
7/28/2015	0.0099
3/1/2016	0.00756 (J)
7/8/2016	0.0098 (J)
3/14/2017	0.0042 (J)
9/15/2017	0.0032 (J)
3/12/2018	0.0025 (J)
9/6/2018	<0.01
3/6/2019	0.0035 (X)

# Sen's Slope Estimator

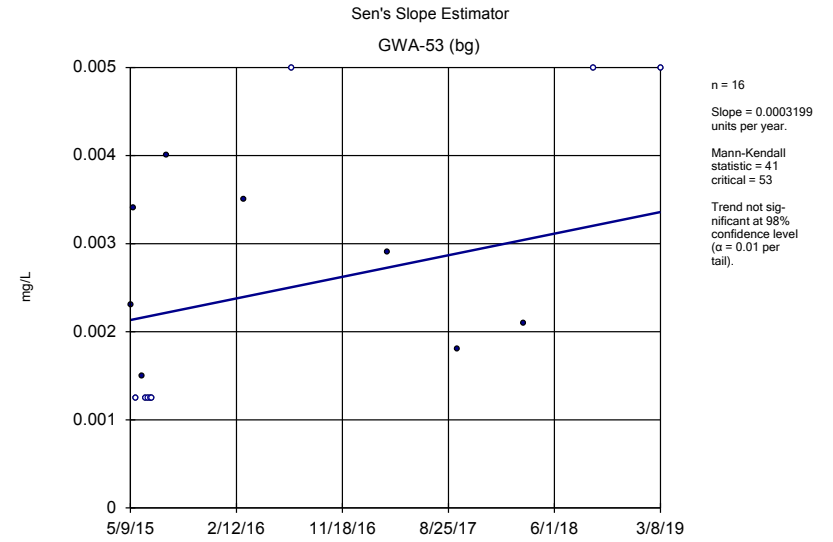
Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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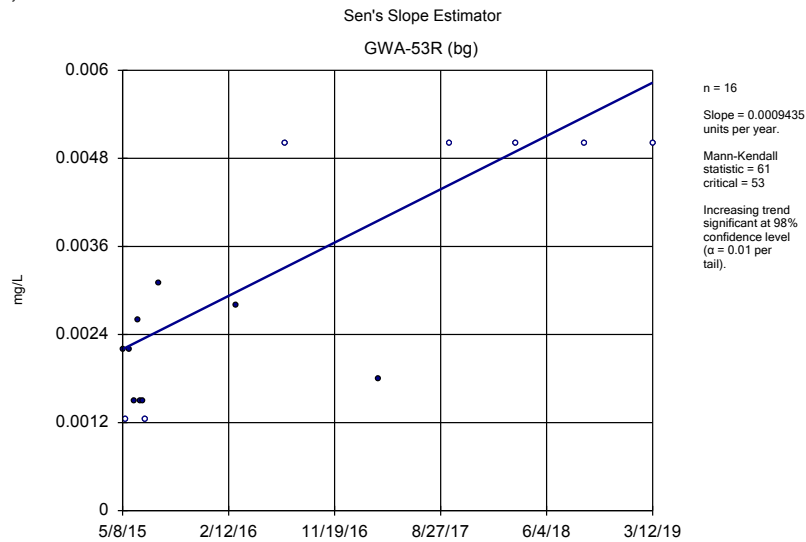
	GWA-38 (bg)
9/16/2014	0.0054
10/3/2014	0.007
10/20/2014	0.0052
11/10/2014	0.0054
3/2/2015	0.041
3/17/2015	0.014
4/6/2015	0.0044
4/22/2015	0.0023 (J)
7/28/2015	0.0035
3/2/2016	0.0029 (J)
7/7/2016	0.0023 (J)
3/23/2017	<0.01 (*)
9/19/2017	0.002 (J)
3/13/2018	<0.01
9/6/2018	<0.01
3/7/2019	<0.01



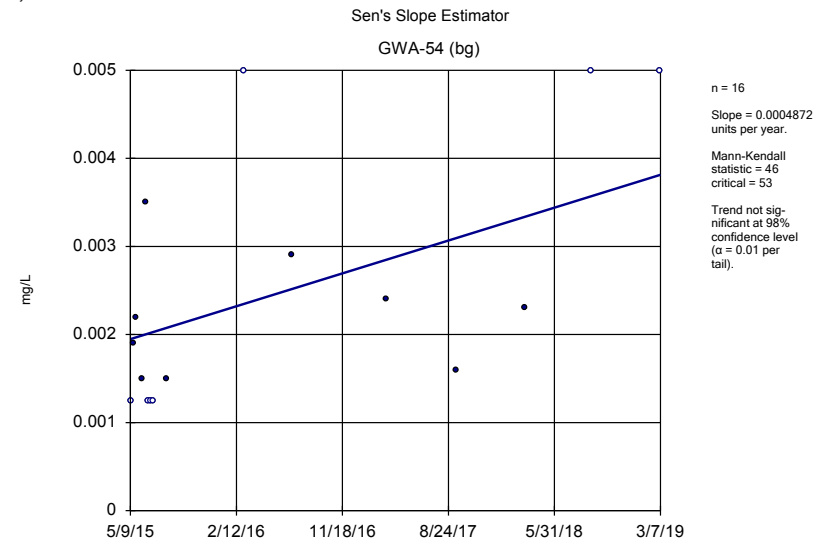
Constituent: Zinc Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-52 (bg)
5/8/2015	<0.0025
5/17/2015	0.0017 (J)
5/25/2015	0.003
6/8/2015	0.0025
6/18/2015	0.0019 (J)
6/24/2015	0.0028
6/30/2015	<0.0025
7/6/2015	<0.0025
8/12/2015	0.0033 (BJ)
2/29/2016	<0.01
7/8/2016	<0.01
3/15/2017	0.0013 (J)
9/15/2017	<0.01
3/13/2018	<0.01
9/6/2018	<0.01
3/7/2019	<0.01

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-53 (bg)
5/9/2015	0.0023 (J)
5/18/2015	0.0034
5/25/2015	<0.0025
6/8/2015	0.0015 (J)
6/17/2015	<0.0025
6/24/2015	<0.0025
6/30/2015	<0.0025
7/6/2015	<0.0025
8/12/2015	0.004 (BJ)
3/2/2016	0.0035 (J)
7/8/2016	<0.01
3/16/2017	0.0029 (J)
9/19/2017	0.0018 (J)
3/13/2018	0.0021 (J)
9/11/2018	<0.01
3/8/2019	<0.01

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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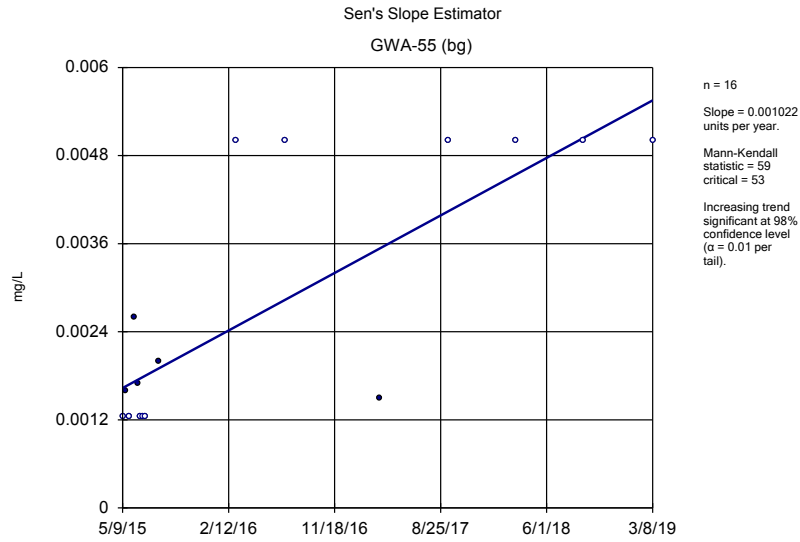
	GWA-53R (bg)
5/8/2015	0.0022 (J)
5/17/2015	<0.0025
5/25/2015	0.0022 (J)
6/8/2015	0.0015 (J)
6/18/2015	0.0026
6/24/2015	0.0015 (J)
6/30/2015	0.0015 (J)
7/6/2015	<0.0025
8/12/2015	0.0031 (BJ)
3/2/2016	0.0028 (J)
7/11/2016	<0.01
3/16/2017	0.0018 (J)
9/19/2017	<0.01
3/13/2018	<0.01
9/11/2018	<0.01
3/12/2019	<0.01

# Sen's Slope Estimator

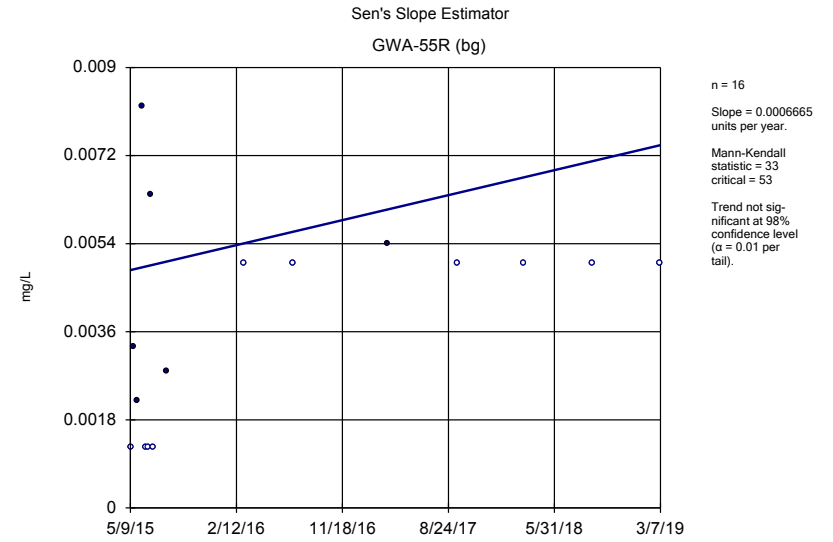
Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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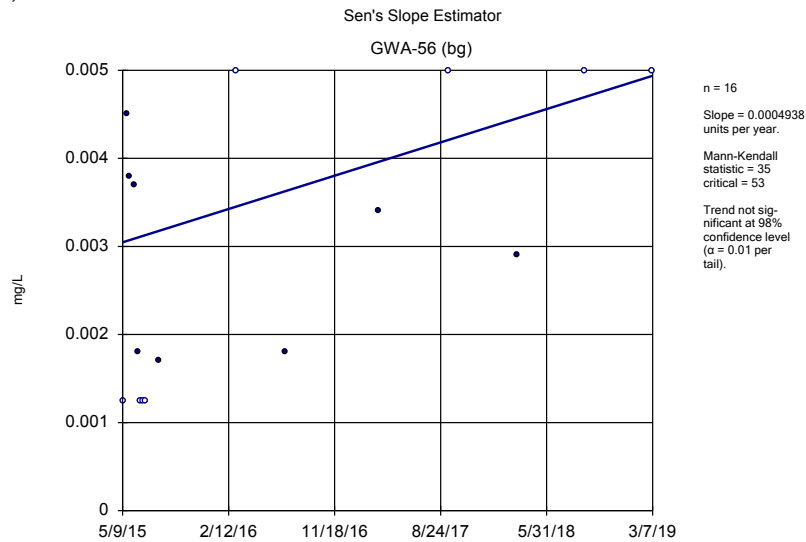
	GWA-54 (bg)
5/9/2015	<0.0025
5/18/2015	0.0019 (J)
5/25/2015	0.0022 (J)
6/9/2015	0.0015 (J)
6/17/2015	0.0035
6/25/2015	<0.0025
7/1/2015	<0.0025
7/7/2015	<0.0025
8/12/2015	0.0015 (BJ)
3/2/2016	<0.01
7/8/2016	0.0029 (J)
3/15/2017	0.0024 (J)
9/15/2017	0.0016 (J)
3/13/2018	0.0023 (J)
9/6/2018	<0.01
3/7/2019	<0.01



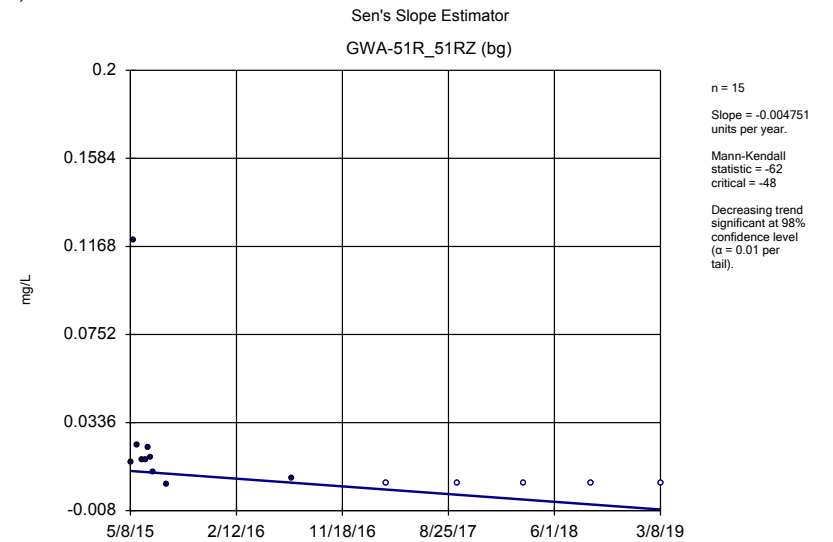
Constituent: Zinc Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:42 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55 (bg)
5/9/2015	<0.0025
5/18/2015	0.0016 (J)
5/26/2015	<0.0025
6/9/2015	0.0026
6/17/2015	0.0017 (J)
6/25/2015	<0.0025
7/1/2015	<0.0025
7/7/2015	<0.0025
8/13/2015	0.002 (BJ)
3/2/2016	<0.01
7/11/2016	<0.01
3/16/2017	0.0015 (J)
9/15/2017	<0.01
3/12/2018	<0.01
9/7/2018	<0.01
3/8/2019	<0.01

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-55R (bg)
5/9/2015	<0.0025
5/18/2015	0.0033
5/26/2015	0.0022 (J)
6/9/2015	0.0082
6/17/2015	<0.0025
6/25/2015	<0.0025
7/1/2015	0.0064
7/7/2015	<0.0025
8/13/2015	0.0028 (BJ)
3/3/2016	<0.01
7/11/2016	<0.01
3/16/2017	0.0054 (J)
9/18/2017	<0.01
3/12/2018	<0.01
9/7/2018	<0.01
3/7/2019	<0.01

# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-56 (bg)
5/9/2015	<0.0025
5/19/2015	0.0045
5/26/2015	0.0038
6/9/2015	0.0037
6/17/2015	0.0018 (J)
6/25/2015	<0.0025
7/1/2015	<0.0025
7/7/2015	<0.0025
8/13/2015	0.0017 (BJ)
3/3/2016	<0.01
7/11/2016	0.0018 (J)
3/15/2017	0.0034 (J)
9/15/2017	<0.01
3/13/2018	0.0029 (J)
9/7/2018	<0.01
3/7/2019	<0.01



# Sen's Slope Estimator

Constituent: Zinc (mg/L) Analysis Run 8/28/2019 10:47 AM View: background Sen slopes  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWA-51R_51RZ ...
5/8/2015	0.015
5/17/2015	0.12
5/25/2015	0.023
6/8/2015	0.016
6/18/2015	0.016
6/24/2015	0.022
6/30/2015	0.017
7/6/2015	0.01
8/12/2015	0.0047 (BJ)
7/7/2016	0.0073 (JD)
3/15/2017	<0.01 (D)
9/19/2017	<0.01 (D)
3/13/2018	<0.01
9/7/2018	<0.01
3/8/2019	<0.01

# Trend Test - Significant Results

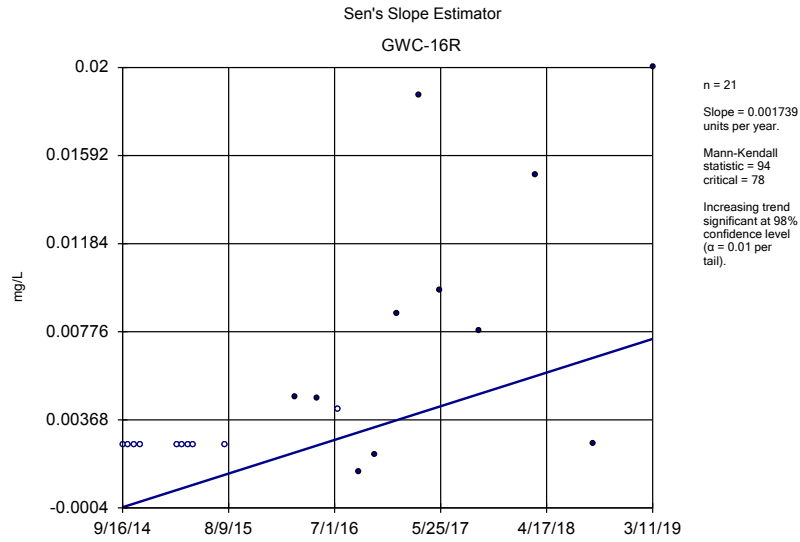
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 8/28/2019, 10:34 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
<b>Antimony (mg/L)</b>	<b>GWC-16R</b>	<b>0.001739</b>	<b>94</b>	<b>78</b>	<b>Yes</b>	<b>21</b>	<b>47.62</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>GWC-16R</b>	<b>4.162</b>	<b>37</b>	<b>35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>GWC-20R</b>	<b>0.3468</b>	<b>39</b>	<b>35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>

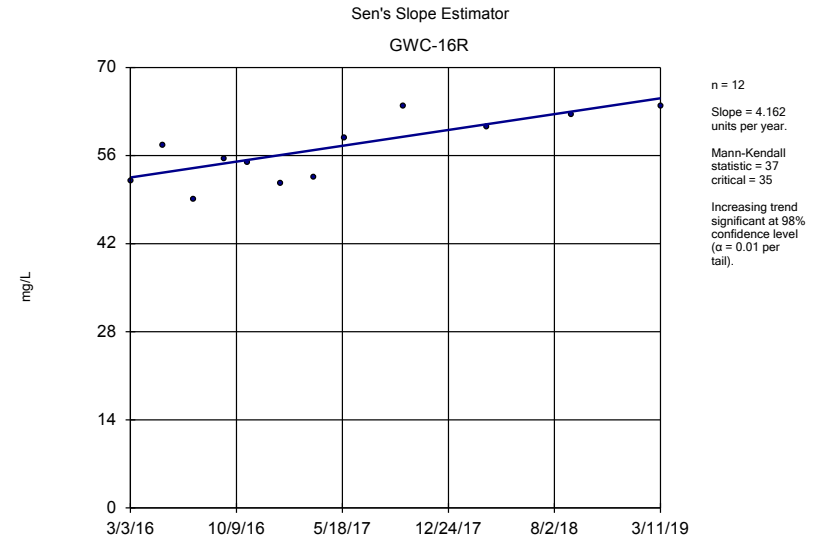
# Trend Test - All Results

Plant Bowen   Client: Southern Company   Data: Bowen 3&4 CCR   Printed 8/28/2019, 10:34 AM

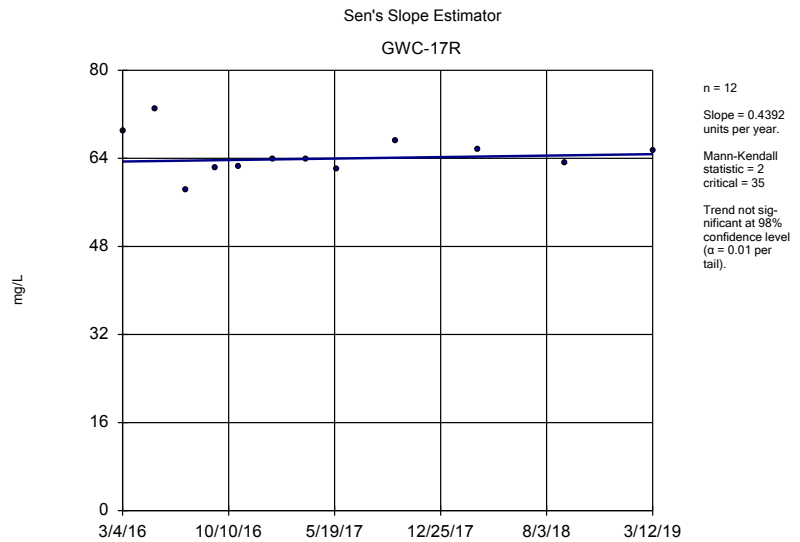
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
<b>Antimony (mg/L)</b>	<b>GWC-16R</b>	<b>0.001739</b>	<b>94</b>	<b>78</b>	<b>Yes</b>	<b>21</b>	<b>47.62</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>GWC-16R</b>	<b>4.162</b>	<b>37</b>	<b>35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Calcium (mg/L)	GWC-17R	0.4392	2	35	No	12	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-21R	4.011	34	35	No	12	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-23R	2.651	28	35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-18	0.05647	14	35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-18R	0	-1	-35	No	12	0	n/a	n/a	0.02	NP
<b>Chloride (mg/L)</b>	<b>GWC-20R</b>	<b>0.3468</b>	<b>39</b>	<b>35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Sulfate (mg/L)	GWC-17R	0.2004	7	35	No	12	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWC-19R	0	4	35	No	12	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWC-16R	20.16	31	35	No	12	0	n/a	n/a	0.02	NP



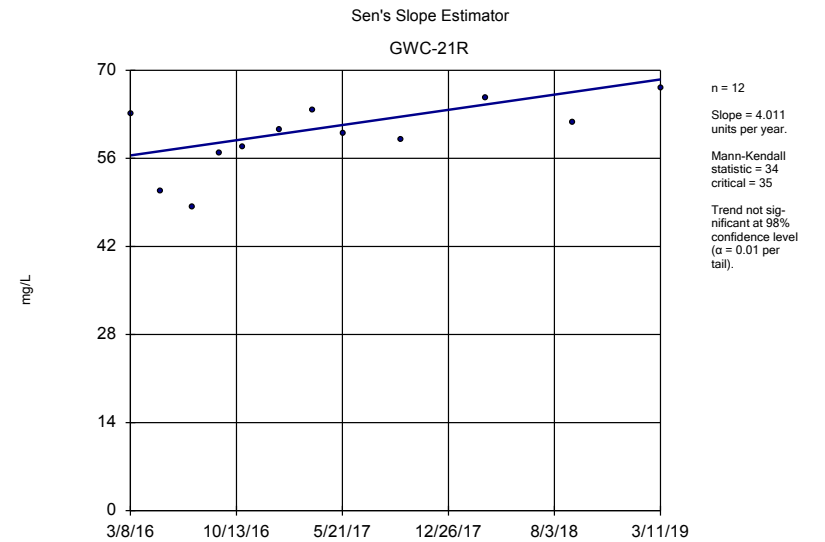
Constituent: Antimony Analysis Run 8/28/2019 10:33 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:33 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:33 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:33 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Antimony (mg/L) Analysis Run 8/28/2019 10:34 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R
9/16/2014	<0.005
10/4/2014	<0.005
10/21/2014	<0.005
11/11/2014	<0.005
3/3/2015	<0.005
3/18/2015	<0.005
4/6/2015	<0.005
4/23/2015	<0.005
7/29/2015	<0.005
3/3/2016	0.00472 (D)
5/10/2016	0.0047
7/13/2016	<0.0083 (*)
9/15/2016	0.0013 (J)
11/2/2016	0.0021 (J)
1/11/2017	0.0086
3/20/2017	0.0187
5/23/2017	0.0097
9/21/2017	0.0078
3/14/2018	0.015
9/7/2018	0.0026 (J)
3/11/2019	0.02

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:34 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R
3/3/2016	52 (D)
5/10/2016	57.6
7/13/2016	49
9/15/2016	55.4
11/2/2016	54.8
1/11/2017	51.6
3/20/2017	52.5
5/23/2017	58.7
9/21/2017	63.8
3/14/2018	60.6
9/7/2018	62.4
3/11/2019	63.8

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:34 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R
3/4/2016	69
5/10/2016	72.9
7/14/2016	58.2
9/14/2016	62.2
11/1/2016	62.5
1/11/2017	63.9
3/21/2017	63.8
5/23/2017	62
9/22/2017	67.2
3/14/2018	65.6
9/11/2018	63.2
3/12/2019	65.3

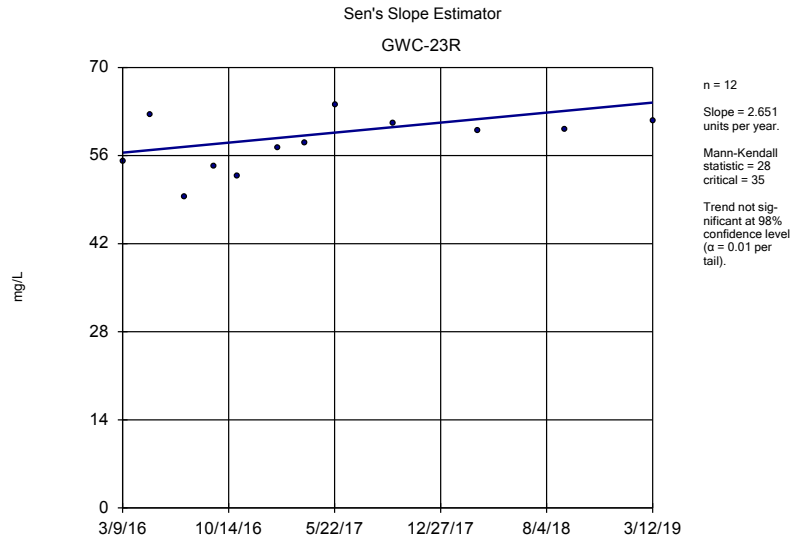
# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:34 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

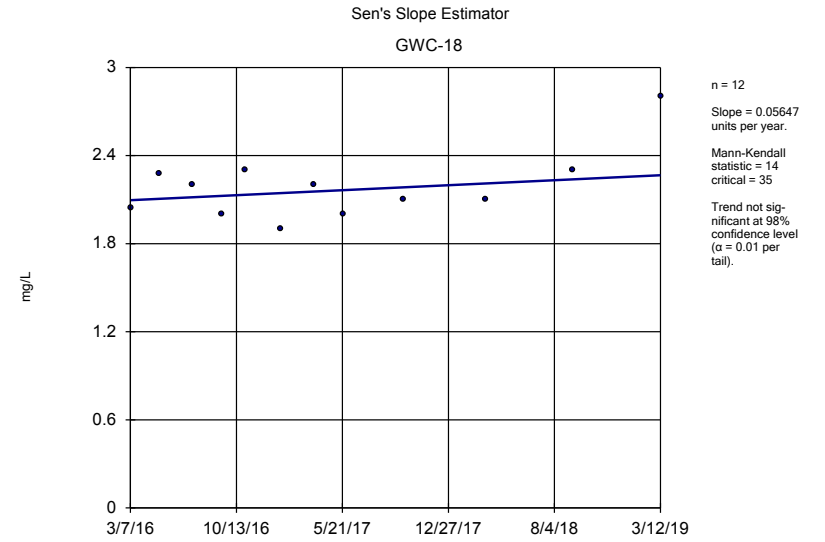
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	GWC-21R
3/8/2016	63
5/9/2016	50.8
7/15/2016	48.2
9/9/2016	56.9
10/27/2016	57.9
1/12/2017	60.5
3/21/2017	63.7
5/23/2017	60
9/19/2017	58.9
3/14/2018	65.6
9/10/2018	61.7
3/11/2019	67.1

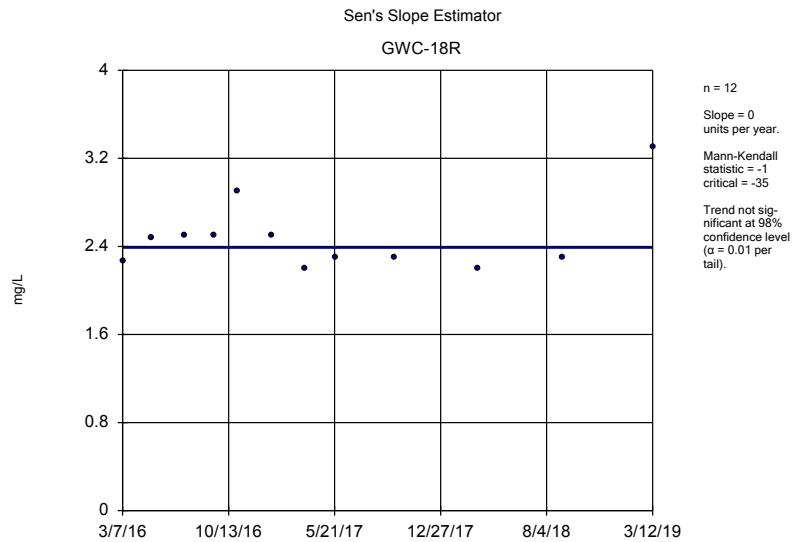




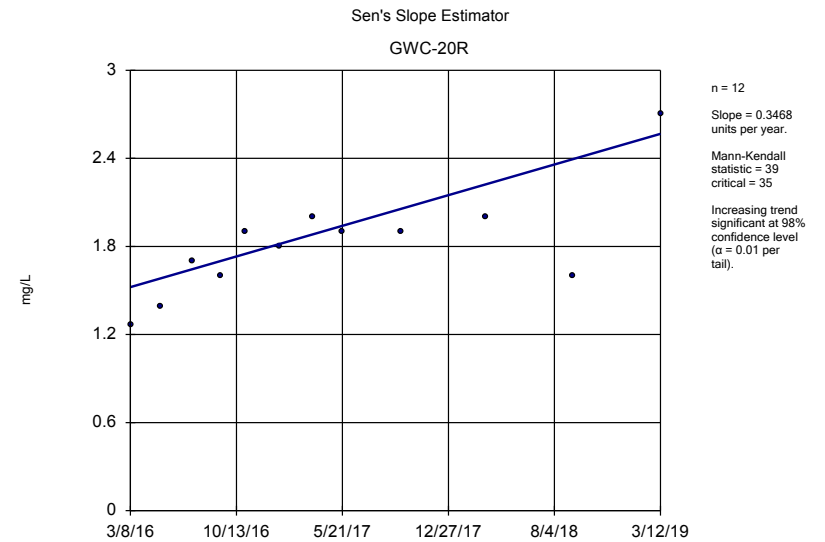
Constituent: Calcium Analysis Run 8/28/2019 10:33 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:33 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:33 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:33 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Calcium (mg/L) Analysis Run 8/28/2019 10:34 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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GWC-23R

3/9/2016	55
5/6/2016	62.4
7/15/2016	49.5
9/14/2016	54.4
11/1/2016	52.8
1/25/2017	57.2
3/22/2017	58.1
5/24/2017	64
9/21/2017	61.1
3/14/2018	59.9
9/11/2018	60.2
3/12/2019	61.6

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:34 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18
3/7/2016	2.0446
5/5/2016	2.28
7/13/2016	2.2
9/13/2016	2
10/31/2016	2.3
1/12/2017	1.9
3/23/2017	2.2
5/23/2017	2
9/25/2017	2.1
3/14/2018	2.1
9/11/2018	2.3
3/12/2019	2.8

# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:34 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-18R
3/7/2016	2.2698
5/5/2016	2.48
7/13/2016	2.5
9/12/2016	2.5
11/1/2016	2.9
1/11/2017	2.5
3/20/2017	2.2
5/22/2017	2.3
9/21/2017	2.3
3/14/2018	2.2
9/7/2018	2.3
3/12/2019	3.3

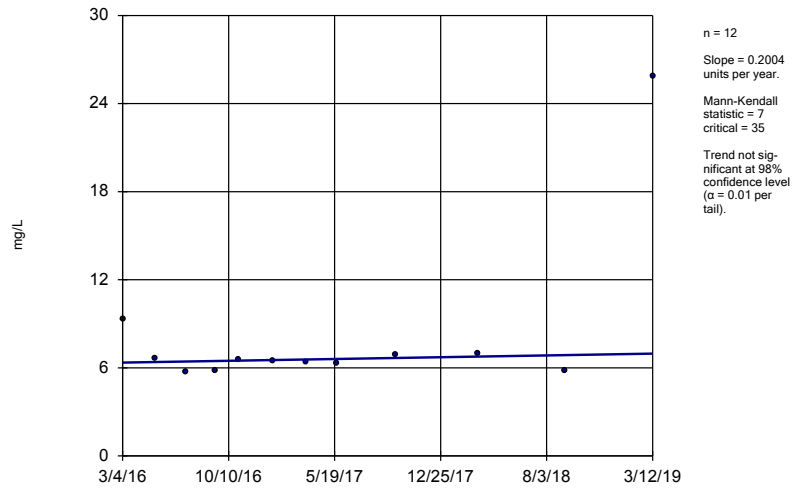
# Sen's Slope Estimator

Constituent: Chloride (mg/L) Analysis Run 8/28/2019 10:34 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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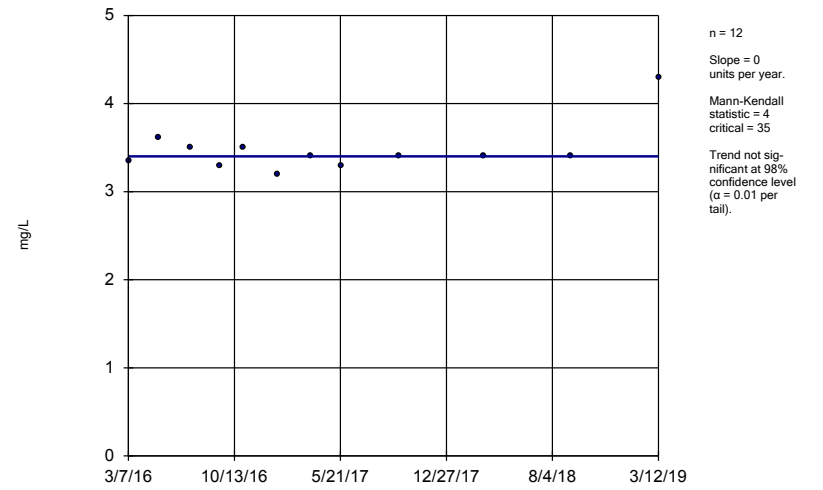
	GWC-20R
3/8/2016	1.2699
5/9/2016	1.39
7/14/2016	1.7
9/12/2016	1.6
10/31/2016	1.9
1/12/2017	1.8
3/22/2017	2
5/22/2017	1.9
9/19/2017	1.9
3/14/2018	2
9/10/2018	1.6
3/12/2019	2.7

Sen's Slope Estimator  
GWC-17R



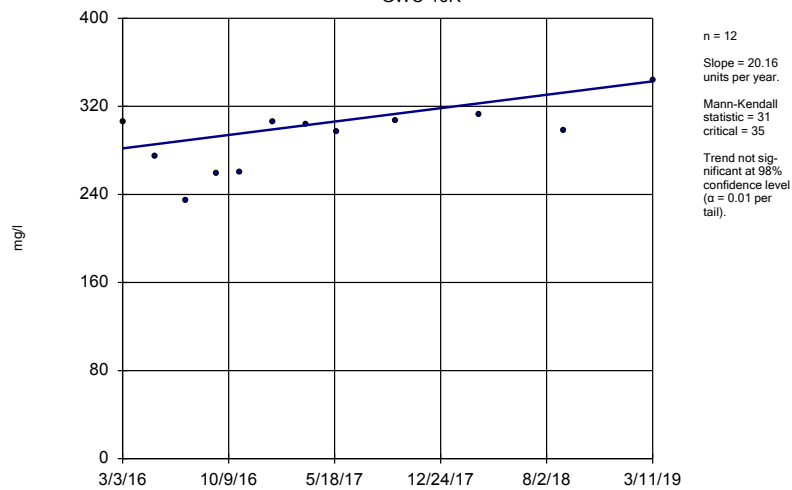
Constituent: Sulfate Analysis Run 8/28/2019 10:33 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWC-19R



Constituent: Sulfate Analysis Run 8/28/2019 10:33 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator  
GWC-16R



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:33 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:34 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-17R
3/4/2016	9.3417
5/10/2016	6.65
7/14/2016	5.7
9/14/2016	5.8
11/1/2016	6.6
1/11/2017	6.5
3/21/2017	6.4
5/23/2017	6.3
9/22/2017	6.9
3/14/2018	7
9/11/2018	5.8
3/12/2019	25.9

# Sen's Slope Estimator

Constituent: Sulfate (mg/L) Analysis Run 8/28/2019 10:34 AM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-19R
3/7/2016	3.3556
5/9/2016	3.62
7/14/2016	3.5
9/12/2016	3.3
10/31/2016	3.5
1/11/2017	3.2
3/21/2017	3.4
5/22/2017	3.3
9/20/2017	3.4
3/14/2018	3.4
9/10/2018	3.4
3/12/2019	4.3



# Sen's Slope Estimator

Constituent: Total Dissolved Solids (mg/l) Analysis Run 8/28/2019 10:34 AM View: Sens slope compliance wells

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

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	GWC-16R
3/3/2016	306 (D)
5/10/2016	275 (D)
7/13/2016	234 (D)
9/15/2016	259 (D)
11/2/2016	260 (D)
1/11/2017	306
3/20/2017	304
5/23/2017	297
9/21/2017	307
3/14/2018	312
9/7/2018	298
3/11/2019	344

# Intrawell Prediction Limit Summary Table – Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR Printed 8/26/2019, 10:27 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	GWA-39R_39RZ	0.0088	n/a	3/14/2019	0.014	Yes	11	18.18	No	0.000...	Param 1 of 3
Barium (mg/L)	GWC-49R	0.012	n/a	3/18/2019	0.015	Yes	11	9.091	x^3	0.000...	Param 1 of 3
Chromium (mg/L)	GWC-47R	0.0053	n/a	3/19/2019	0.018	Yes	11	0	sqrt(x)	0.000...	Param 1 of 3
Zinc (mg/L)	GWC-47	0.045	n/a	3/15/2019	0.051	Yes	11	18.18	No	0.000...	Param 1 of 3

# Intrawell Prediction Limit Summary Table – All Results

Plant Bowen    Client: Southern Company    Data: Bowen 9&10 CCR    Printed 8/26/2019, 10:27 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	GWA-39Z	0.0032	n/a	3/15/2019	0.0015ND	No	11	27.27	No	0.000...	Param 1 of 3
Antimony (mg/L)	GWA-40	0.0050	n/a	3/13/2019	0.0015ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Antimony (mg/L)	GWA-41	0.0030	n/a	3/14/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Antimony (mg/L)	GWA-41R	0.0050	n/a	3/14/2019	0.0015ND	No	11	72.73	n/a	0.002806	NP (NDs) 1 of 3
Antimony (mg/L)	GWA-42	0.0050	n/a	3/14/2019	0.0015ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Antimony (mg/L)	GWA-43	0.0030	n/a	3/13/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Antimony (mg/L)	GWA-43R	0.0015	n/a	3/13/2019	0.0015ND	No	11	72.73	n/a	0.002806	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-44	0.0030	n/a	3/14/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-45	0.011	n/a	n/a	1 future	n/a	12	41.67	n/a	0.002173	NP (xform) 1 of 3
Antimony (mg/L)	GWC-45R	0.0059	n/a	3/14/2019	0.0015ND	No	11	27.27	sqrt(x)	0.000...	Param 1 of 3
Antimony (mg/L)	GWC-46R	0.0050	n/a	3/18/2019	0.0015ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-47	0.0050	n/a	3/15/2019	0.0015ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-47R	0.0044	n/a	3/19/2019	0.0015ND	No	11	45.45	x^(1/3)	0.000...	Param 1 of 3
Antimony (mg/L)	GWC-48	0.0050	n/a	3/15/2019	0.0015ND	No	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-49R	0.0030	n/a	3/18/2019	0.0015ND	No	11	72.73	n/a	0.002806	NP (NDs) 1 of 3
Antimony (mg/L)	GWC-49Z	0.0050	n/a	n/a	1 future	n/a	11	54.55	n/a	0.002806	NP (NDs) 1 of 3
<b>Antimony (mg/L)</b>	<b>GWA-39R_39RZ</b>	<b>0.0088</b>	<b>n/a</b>	<b>3/14/2019</b>	<b>0.014</b>	<b>Yes</b>	<b>11</b>	<b>18.18</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Arsenic (mg/L)	GWA-39Z	0.0025	n/a	3/15/2019	0.0025ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWA-40	0.0025	n/a	3/13/2019	0.0025ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWA-41	0.0050	n/a	3/14/2019	0.0025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWA-41R	0.0025	n/a	3/14/2019	0.0025ND	No	11	72.73	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWA-42	0.0050	n/a	3/14/2019	0.0025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWA-43	0.0050	n/a	3/13/2019	0.0025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWA-43R	0.0025	n/a	3/13/2019	0.0025ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-44	0.066	n/a	3/14/2019	0.0025ND	No	11	63.64	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-45	0.0050	n/a	3/14/2019	0.0025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-45R	0.0050	n/a	3/14/2019	0.0025ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-46R	0.0025	n/a	3/18/2019	0.0025ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-47	0.0025	n/a	3/15/2019	0.0025ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-47R	0.055	n/a	3/19/2019	0.0025ND	No	11	45.45	n/a	0.002806	NP (normality) 1 of 3
Arsenic (mg/L)	GWC-48	0.0050	n/a	3/15/2019	0.0025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-49R	0.0050	n/a	3/18/2019	0.0025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWC-49Z	0.0050	n/a	3/19/2019	0.0025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Arsenic (mg/L)	GWA-39R_39RZ	0.0025	n/a	3/14/2019	0.0025ND	No	11	54.55	n/a	0.002806	NP (NDs) 1 of 3
Barium (mg/L)	GWA-39Z	0.037	n/a	3/15/2019	0.019	No	11	9.091	No	0.000...	Param 1 of 3
Barium (mg/L)	GWA-40	0.012	n/a	n/a	1 future	n/a	11	0	No	0.000...	Param 1 of 3
Barium (mg/L)	GWA-41	0.035	n/a	3/14/2019	0.028	No	11	0	No	0.000...	Param 1 of 3
Barium (mg/L)	GWA-41R	0.048	n/a	3/14/2019	0.04	No	11	0	No	0.000...	Param 1 of 3
Barium (mg/L)	GWA-42	0.0067	n/a	n/a	1 future	n/a	11	0	No	0.000...	Param 1 of 3
Barium (mg/L)	GWA-43	0.043	n/a	3/13/2019	0.014	No	11	0	No	0.000...	Param 1 of 3
Barium (mg/L)	GWA-43R	0.0091	n/a	n/a	1 future	n/a	11	0	No	0.000...	Param 1 of 3
Barium (mg/L)	GWC-44	0.081	n/a	3/14/2019	0.077	No	11	0	No	0.000...	Param 1 of 3
Barium (mg/L)	GWC-45	0.0063	n/a	n/a	1 future	n/a	11	0	No	0.000...	Param 1 of 3
Barium (mg/L)	GWC-45R	0.025	n/a	3/14/2019	0.024	No	11	0	No	0.000...	Param 1 of 3
Barium (mg/L)	GWC-46R	0.022	n/a	3/18/2019	0.014	No	11	0	No	0.000...	Param 1 of 3
Barium (mg/L)	GWC-47	0.018	n/a	3/15/2019	0.01	No	11	0	No	0.000...	Param 1 of 3
Barium (mg/L)	GWC-47R	0.03	n/a	n/a	1 future	n/a	11	9.091	sqrt(x)	0.000...	Param 1 of 3
Barium (mg/L)	GWC-48	0.037	n/a	3/15/2019	0.026	No	11	9.091	x^2	0.000...	Param 1 of 3
<b>Barium (mg/L)</b>	<b>GWC-49R</b>	<b>0.012</b>	<b>n/a</b>	<b>3/18/2019</b>	<b>0.015</b>	<b>Yes</b>	<b>11</b>	<b>9.091</b>	<b>x^3</b>	<b>0.000...</b>	Param 1 of 3
Barium (mg/L)	GWC-49Z	0.014	n/a	n/a	1 future	n/a	11	9.091	No	0.000...	Param 1 of 3

## Intrawell Prediction Limit Summary Table – All Results

Plant Bowen Client: Southern Company Data: Bowen 9&amp;10 CCR Printed 8/26/2019, 10:27 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Barium (mg/L)	GWA-39R_39RZ	0.02	n/a	3/14/2019	0.018	No	11	0	No	0.000...	Param 1 of 3
Beryllium (mg/L)	GWA-39Z	0.0030	n/a	3/15/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWA-40	0.0030	n/a	3/13/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWA-41	0.0030	n/a	3/14/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWA-41R	0.0030	n/a	n/a	1 future	n/a	11	100	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWA-42	0.0025	n/a	n/a	1 future	n/a	11	18.18	n/a	0.002806	NP (normality) 1 of 3
Beryllium (mg/L)	GWA-43	0.0030	n/a	3/13/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWA-43R	0.0025	n/a	3/13/2019	0.0015ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-44	0.0050	n/a	n/a	1 future	n/a	11	72.73	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-45	0.0030	n/a	3/14/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-45R	0.0030	n/a	3/14/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-46R	0.0030	n/a	3/18/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-47	0.0030	n/a	3/15/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-47R	0.0030	n/a	3/19/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-48	0.0025	n/a	n/a	1 future	n/a	11	27.27	n/a	0.002806	NP (normality) 1 of 3
Beryllium (mg/L)	GWC-49R	0.0030	n/a	3/18/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWC-49Z	0.0030	n/a	3/19/2019	0.0015ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Beryllium (mg/L)	GWA-39R_39RZ	0.0015	n/a	3/14/2019	0.0015ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWA-39Z	0.0050	n/a	3/15/2019	0.0005ND	No	11	72.73	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWA-40	0.0010	n/a	3/13/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWA-41	0.0010	n/a	3/14/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWA-41R	0.0010	n/a	3/14/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWA-42	0.00050	n/a	n/a	1 future	n/a	11	18.18	n/a	0.002806	NP (normality) 1 of 3
Cadmium (mg/L)	GWA-43	0.050	n/a	3/13/2019	0.0005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWA-43R	0.0010	n/a	3/13/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-44	0.050	n/a	3/14/2019	0.0005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-45	0.0010	n/a	3/14/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-45R	0.017	n/a	3/14/2019	0.0005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-46R	0.0010	n/a	3/18/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-47	0.050	n/a	n/a	1 future	n/a	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-47R	0.0010	n/a	3/19/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-48	0.020	n/a	n/a	1 future	n/a	11	9.091	n/a	0.002806	NP (normality) 1 of 3
Cadmium (mg/L)	GWC-49R	0.0010	n/a	3/18/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cadmium (mg/L)	GWC-49Z	0.050	n/a	3/19/2019	0.0005ND	No	11	36.36	n/a	0.002806	NP (normality) 1 of 3
Cadmium (mg/L)	GWA-39R_39RZ	0.00050	n/a	3/14/2019	0.0005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Chromium (mg/L)	GWA-39Z	0.010	n/a	3/15/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Chromium (mg/L)	GWA-40	0.0050	n/a	3/13/2019	0.005ND	No	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Chromium (mg/L)	GWA-41	0.010	n/a	3/14/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Chromium (mg/L)	GWA-41R	0.0050	n/a	3/14/2019	0.005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Chromium (mg/L)	GWA-42	0.010	n/a	3/14/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Chromium (mg/L)	GWA-43	0.0050	n/a	3/13/2019	0.005ND	No	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Chromium (mg/L)	GWA-43R	0.0035	n/a	3/13/2019	0.005ND	No	11	45.45	sqrt(x)	0.000...	Param 1 of 3
Chromium (mg/L)	GWC-44	0.010	n/a	3/14/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Chromium (mg/L)	GWC-45	0.010	n/a	3/14/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Chromium (mg/L)	GWC-45R	0.050	n/a	3/14/2019	0.005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Chromium (mg/L)	GWC-46R	0.0045	n/a	n/a	1 future	n/a	11	27.27	No	0.000...	Param 1 of 3
Chromium (mg/L)	GWC-47	0.044	n/a	3/15/2019	0.005ND	No	11	9.091	n/a	0.002806	NP (normality) 1 of 3
<b>Chromium (mg/L)</b>	<b>GWC-47R</b>	<b>0.0053</b>	<b>n/a</b>	<b>3/19/2019</b>	<b>0.018</b>	<b>Yes</b>	<b>11</b>	<b>0</b>	<b>sqrt(x)</b>	<b>0.000...</b>	Param 1 of 3
Chromium (mg/L)	GWC-48	0.0029	n/a	n/a	1 future	n/a	11	45.45	No	0.000...	Param 1 of 3
Chromium (mg/L)	GWC-49R	0.0050	n/a	3/18/2019	0.005ND	No	11	54.55	n/a	0.002806	NP (NDs) 1 of 3

## Intrawell Prediction Limit Summary Table – All Results

Plant Bowen Client: Southern Company Data: Bowen 9&amp;10 CCR Printed 8/26/2019, 10:27 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Chromium (mg/L)	GWC-49Z	0.017	n/a	n/a	1 future	n/a	11	72.73	n/a	0.002806	NP (NDs) 1 of 3
Chromium (mg/L)	GWA-39R_39RZ	0.0050	n/a	n/a	1 future	n/a	11	54.55	n/a	0.002806	NP (NDs) 1 of 3
Cobalt (mg/L)	GWA-39Z	0.011	n/a	3/15/2019	0.005ND	No	11	9.091	sqrt(x)	0.000...	Param 1 of 3
Cobalt (mg/L)	GWA-40	0.010	n/a	3/13/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cobalt (mg/L)	GWA-41	0.010	n/a	3/14/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cobalt (mg/L)	GWA-41R	0.0050	n/a	3/14/2019	0.005ND	No	11	63.64	n/a	0.002806	NP (NDs) 1 of 3
Cobalt (mg/L)	GWA-42	0.0050	n/a	3/14/2019	0.005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Cobalt (mg/L)	GWA-43	0.010	n/a	3/13/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cobalt (mg/L)	GWA-43R	0.010	n/a	3/13/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-44	0.0042	n/a	n/a	1 future	n/a	11	9.091	ln(x)	0.000...	Param 1 of 3
Cobalt (mg/L)	GWC-45	0.0050	n/a	n/a	1 future	n/a	11	18.18	n/a	0.002806	NP (normality) 1 of 3
Cobalt (mg/L)	GWC-45R	0.010	n/a	3/14/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-46R	0.0050	n/a	3/18/2019	0.005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-47	0.010	n/a	3/15/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-47R	0.010	n/a	3/19/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-48	0.0050	n/a	n/a	1 future	n/a	11	9.091	n/a	0.002806	NP (normality) 1 of 3
Cobalt (mg/L)	GWC-49R	0.010	n/a	3/18/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Cobalt (mg/L)	GWC-49Z	0.0071	n/a	n/a	1 future	n/a	11	18.18	No	0.000...	Param 1 of 3
Cobalt (mg/L)	GWA-39R_39RZ	0.0057	n/a	3/14/2019	0.005ND	No	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Copper (mg/L)	GWA-39Z	0.013	n/a	3/15/2019	0.0125ND	No	10	80	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWA-40	0.025	n/a	3/13/2019	0.0125ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWA-41	0.013	n/a	3/14/2019	0.0125ND	No	10	80	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWA-41R	0.013	n/a	n/a	1 future	n/a	10	70	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWA-42	0.013	n/a	3/14/2019	0.0125ND	No	10	90	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWA-43	0.013	n/a	3/13/2019	0.0125ND	No	10	90	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWA-43R	0.013	n/a	n/a	1 future	n/a	10	90	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWC-44	0.013	n/a	3/14/2019	0.0125ND	No	10	80	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWC-45	0.0039	n/a	3/14/2019	0.0125ND	No	10	50	sqrt(x)	0.000...	Param 1 of 3
Copper (mg/L)	GWC-45R	0.013	n/a	3/14/2019	0.0125ND	No	10	90	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWC-46R	0.013	n/a	3/18/2019	0.0125ND	No	10	90	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWC-47	0.013	n/a	3/15/2019	0.0125ND	No	10	80	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWC-47R	0.013	n/a	3/19/2019	0.0125ND	No	10	70	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWC-48	0.050	n/a	3/15/2019	0.0125ND	No	10	80	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWC-49R	0.025	n/a	3/18/2019	0.0125ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWC-49Z	0.013	n/a	3/19/2019	0.0125ND	No	10	70	n/a	0.00344	NP (NDs) 1 of 3
Copper (mg/L)	GWA-39R_39RZ	0.027	n/a	3/14/2019	0.0125ND	No	7	71.43	n/a	0.008668	NP (NDs) 1 of 3
Lead (mg/L)	GWA-39Z	0.013	n/a	3/15/2019	0.0025ND	No	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Lead (mg/L)	GWA-40	0.013	n/a	3/13/2019	0.0025ND	No	11	72.73	n/a	0.002806	NP (NDs) 1 of 3
Lead (mg/L)	GWA-41	0.0050	n/a	3/14/2019	0.0025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Lead (mg/L)	GWA-41R	0.013	n/a	n/a	1 future	n/a	11	72.73	n/a	0.002806	NP (NDs) 1 of 3
Lead (mg/L)	GWA-42	0.013	n/a	3/14/2019	0.0025ND	No	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Lead (mg/L)	GWA-43	0.013	n/a	3/13/2019	0.0025ND	No	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Lead (mg/L)	GWA-43R	0.013	n/a	3/13/2019	0.0025ND	No	11	72.73	n/a	0.002806	NP (NDs) 1 of 3
Lead (mg/L)	GWC-44	0.013	n/a	n/a	1 future	n/a	11	27.27	n/a	0.002806	NP (xform) 1 of 3
Lead (mg/L)	GWC-45	0.0025	n/a	3/14/2019	0.0025ND	No	11	36.36	n/a	0.002806	NP (xform) 1 of 3
Lead (mg/L)	GWC-45R	0.013	n/a	3/14/2019	0.0025ND	No	11	63.64	n/a	0.002806	NP (NDs) 1 of 3
Lead (mg/L)	GWC-46R	0.0050	n/a	3/18/2019	0.0025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Lead (mg/L)	GWC-47	0.013	n/a	3/15/2019	0.0025ND	No	11	72.73	n/a	0.002806	NP (NDs) 1 of 3
Lead (mg/L)	GWC-47R	0.013	n/a	3/19/2019	0.0025ND	No	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Lead (mg/L)	GWC-48	0.013	n/a	3/15/2019	0.0025ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3

# Intrawell Prediction Limit Summary Table – All Results

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR Printed 8/26/2019, 10:27 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Lead (mg/L)	GWC-49R	0.0050	n/a	3/18/2019	0.0025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Lead (mg/L)	GWC-49Z	0.013	n/a	3/19/2019	0.0025ND	No	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Lead (mg/L)	GWA-39R_39RZ	0.0025	n/a	3/14/2019	0.0025ND	No	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWA-39Z	0.00050	n/a	3/15/2019	0.00025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWA-40	0.025	n/a	3/13/2019	0.00025ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWA-41	0.00050	n/a	3/14/2019	0.00025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWA-41R	0.00050	n/a	3/14/2019	0.00025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWA-42	0.025	n/a	3/14/2019	0.00025ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWA-43	0.00050	n/a	3/13/2019	0.00025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWA-43R	0.025	n/a	3/13/2019	0.00025ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-44	0.00050	n/a	3/14/2019	0.00025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-45	0.00050	n/a	3/14/2019	0.00025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-45R	0.00050	n/a	3/14/2019	0.00025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-46R	0.00050	n/a	3/18/2019	0.00025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-47	0.00050	n/a	3/15/2019	0.00025ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-47R	0.00050	n/a	n/a	1 future	n/a	11	100	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-48	0.025	n/a	3/15/2019	0.00025ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-49R	0.025	n/a	3/18/2019	0.00025ND	No	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWC-49Z	0.025	n/a	n/a	1 future	n/a	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Mercury (mg/L)	GWA-39R_39RZ	0.00025	n/a	3/14/2019	0.00025ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Nickel (mg/L)	GWA-39Z	0.018	n/a	3/15/2019	0.005ND	No	10	20	sqrt(x)	0.000...	Param 1 of 3
Nickel (mg/L)	GWA-40	0.010	n/a	3/13/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Nickel (mg/L)	GWA-41	0.0050	n/a	3/14/2019	0.005ND	No	10	60	n/a	0.00344	NP (NDs) 1 of 3
Nickel (mg/L)	GWA-41R	0.0050	n/a	n/a	1 future	n/a	10	60	n/a	0.00344	NP (NDs) 1 of 3
Nickel (mg/L)	GWA-42	0.0050	n/a	n/a	1 future	n/a	10	20	n/a	0.00344	NP (normality) 1 of 3
Nickel (mg/L)	GWA-43	0.0050	n/a	3/13/2019	0.005ND	No	10	40	n/a	0.00344	NP (normality) 1 of 3
Nickel (mg/L)	GWA-43R	0.0050	n/a	3/13/2019	0.005ND	No	10	90	n/a	0.00344	NP (NDs) 1 of 3
Nickel (mg/L)	GWC-44	0.0050	n/a	3/14/2019	0.005ND	No	10	50	n/a	0.00344	NP (normality) 1 of 3
Nickel (mg/L)	GWC-45	0.0050	n/a	n/a	1 future	n/a	10	10	n/a	0.00344	NP (normality) 1 of 3
Nickel (mg/L)	GWC-45R	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Nickel (mg/L)	GWC-46R	0.0050	n/a	3/18/2019	0.005ND	No	10	90	n/a	0.00344	NP (NDs) 1 of 3
Nickel (mg/L)	GWC-47	0.0050	n/a	3/15/2019	0.005ND	No	10	90	n/a	0.00344	NP (NDs) 1 of 3
Nickel (mg/L)	GWC-47R	0.0050	n/a	n/a	1 future	n/a	10	60	n/a	0.00344	NP (NDs) 1 of 3
Nickel (mg/L)	GWC-48	0.0054	n/a	n/a	1 future	n/a	10	10	No	0.000...	Param 1 of 3
Nickel (mg/L)	GWC-49R	0.010	n/a	3/18/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Nickel (mg/L)	GWC-49Z	0.0078	n/a	n/a	1 future	n/a	10	10	No	0.000...	Param 1 of 3
Nickel (mg/L)	GWA-39R_39RZ	0.022	n/a	n/a	1 future	n/a	7	57.14	n/a	0.008668	NP (NDs) 1 of 3
Selenium (mg/L)	GWA-39Z	0.010	n/a	3/15/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Selenium (mg/L)	GWA-40	0.010	n/a	3/13/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Selenium (mg/L)	GWA-41	0.010	n/a	3/14/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Selenium (mg/L)	GWA-41R	0.010	n/a	3/14/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Selenium (mg/L)	GWA-42	0.010	n/a	3/14/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Selenium (mg/L)	GWA-43	0.0050	n/a	3/13/2019	0.005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Selenium (mg/L)	GWA-43R	0.010	n/a	3/13/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-44	0.0067	n/a	n/a	1 future	n/a	11	45.45	No	0.000...	Param 1 of 3
Selenium (mg/L)	GWC-45	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-45R	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-46R	0.0050	n/a	3/18/2019	0.005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-47	0.010	n/a	3/15/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-47R	0.010	n/a	3/19/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3

# Intrawell Prediction Limit Summary Table – All Results

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR Printed 8/26/2019, 10:27 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Selenium (mg/L)	GWC-48	0.0050	n/a	3/15/2019	0.005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-49R	0.010	n/a	3/18/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Selenium (mg/L)	GWC-49Z	0.010	n/a	3/19/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Selenium (mg/L)	GWA-39R_39RZ	0.010	n/a	3/14/2019	0.005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Silver (mg/L)	GWA-39Z	0.010	n/a	3/15/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWA-40	0.010	n/a	3/13/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWA-41	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWA-41R	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWA-42	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWA-43	0.010	n/a	3/13/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWA-43R	0.010	n/a	3/13/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWC-44	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWC-45	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWC-45R	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWC-46R	0.010	n/a	3/18/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWC-47	0.010	n/a	3/15/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWC-47R	0.010	n/a	3/19/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWC-48	0.010	n/a	3/15/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWC-49R	0.010	n/a	3/18/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWC-49Z	0.010	n/a	3/19/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Silver (mg/L)	GWA-39R_39RZ	0.0050	n/a	3/14/2019	0.005ND	No	7	85.71	n/a	0.008668	NP (NDs) 1 of 3
Thallium (mg/L)	GWA-39Z	0.0050	n/a	3/15/2019	0.0005ND	No	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWA-40	0.0010	n/a	3/13/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWA-41	0.0010	n/a	3/14/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWA-41R	0.0050	n/a	3/14/2019	0.0005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWA-42	0.0050	n/a	3/14/2019	0.0005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWA-43	0.0050	n/a	3/13/2019	0.0005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWA-43R	0.0010	n/a	3/13/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-44	0.00050	n/a	3/14/2019	0.0005ND	No	11	81.82	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-45	0.0010	n/a	3/14/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-45R	0.0010	n/a	3/14/2019	0.0005ND	No	11	100	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-46R	0.0050	n/a	3/18/2019	0.0005ND	No	11	63.64	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-47	0.0050	n/a	3/15/2019	0.0005ND	No	11	72.73	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-47R	0.0011	n/a	n/a	1 future	n/a	11	0	ln(x)	0.000...	Param 1 of 3
Thallium (mg/L)	GWC-48	0.0050	n/a	3/15/2019	0.0005ND	No	11	63.64	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-49R	0.0050	n/a	3/18/2019	0.0005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWC-49Z	0.0050	n/a	3/19/2019	0.0005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Thallium (mg/L)	GWA-39R_39RZ	0.00050	n/a	3/14/2019	0.0005ND	No	11	90.91	n/a	0.002806	NP (NDs) 1 of 3
Vanadium (mg/L)	GWA-39Z	0.010	n/a	3/15/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWA-40	0.010	n/a	3/13/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWA-41	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWA-41R	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWA-42	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWA-43	0.0050	n/a	3/13/2019	0.005ND	No	10	90	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWA-43R	0.0050	n/a	3/13/2019	0.005ND	No	10	90	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-44	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-45	0.0050	n/a	3/14/2019	0.005ND	No	10	90	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-45R	0.010	n/a	3/14/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-46R	0.010	n/a	3/18/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-47	0.010	n/a	3/15/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3

# Intrawell Prediction Limit Summary Table – All Results

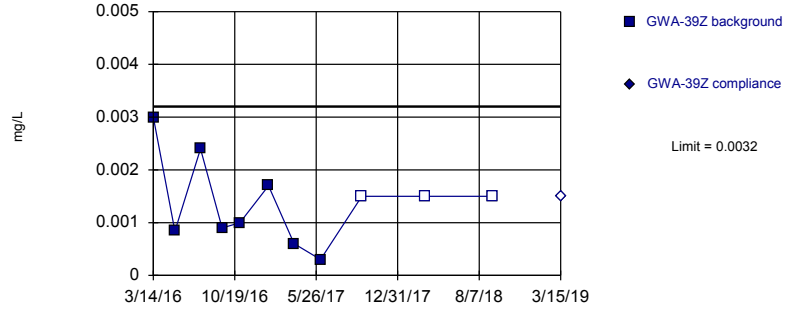
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR Printed 8/26/2019, 10:27 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Vanadium (mg/L)	GWC-47R	0.010	n/a	3/19/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-48	0.010	n/a	3/15/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-49R	0.010	n/a	3/18/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWC-49Z	0.010	n/a	3/19/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Vanadium (mg/L)	GWA-39R_39RZ	0.0050	n/a	3/14/2019	0.005ND	No	7	85.71	n/a	0.008668	NP (NDs) 1 of 3
Zinc (mg/L)	GWA-39Z	0.0050	n/a	n/a	1 future	n/a	10	60	n/a	0.00344	NP (NDs) 1 of 3
Zinc (mg/L)	GWA-40	0.0050	n/a	3/13/2019	0.005ND	No	10	90	n/a	0.00344	NP (NDs) 1 of 3
Zinc (mg/L)	GWA-41	0.0050	n/a	3/14/2019	0.005ND	No	10	90	n/a	0.00344	NP (NDs) 1 of 3
Zinc (mg/L)	GWA-41R	0.0050	n/a	n/a	1 future	n/a	10	80	n/a	0.00344	NP (NDs) 1 of 3
Zinc (mg/L)	GWA-42	0.02	n/a	3/14/2019	0.01	No	10	40	No	0.000...	Param 1 of 3
Zinc (mg/L)	GWA-43	0.0089	n/a	n/a	1 future	n/a	10	50	No	0.000...	Param 1 of 3
Zinc (mg/L)	GWA-43R	0.0091	n/a	n/a	1 future	n/a	10	50	No	0.000...	Param 1 of 3
Zinc (mg/L)	GWC-44	0.0079	n/a	n/a	1 future	n/a	10	40	No	0.000...	Param 1 of 3
Zinc (mg/L)	GWC-45	0.0082	n/a	3/14/2019	0.005ND	No	10	50	No	0.000...	Param 1 of 3
Zinc (mg/L)	GWC-45R	0.0061	n/a	n/a	1 future	n/a	10	40	No	0.000...	Param 1 of 3
Zinc (mg/L)	GWC-46R	0.0063	n/a	3/18/2019	0.005ND	No	10	50	No	0.000...	Param 1 of 3
<b>Zinc (mg/L)</b>	<b>GWC-47</b>	<b>0.045</b>	<b>n/a</b>	<b>3/15/2019</b>	<b>0.051</b>	<b>Yes</b>	<b>11</b>	<b>18.18</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Zinc (mg/L)	GWC-47R	0.025	n/a	3/19/2019	0.016	No	10	20	No	0.000...	Param 1 of 3
Zinc (mg/L)	GWC-48	0.011	n/a	n/a	1 future	n/a	10	50	No	0.000...	Param 1 of 3
Zinc (mg/L)	GWC-49R	0.010	n/a	3/18/2019	0.005ND	No	10	100	n/a	0.00344	NP (NDs) 1 of 3
Zinc (mg/L)	GWC-49Z	0.0079	n/a	n/a	1 future	n/a	10	60	n/a	0.00344	NP (NDs) 1 of 3
Zinc (mg/L)	GWA-39R_39RZ	0.0050	n/a	n/a	1 future	n/a	7	57.14	n/a	0.008668	NP (NDs) 1 of 3



Within Limit

Prediction Limit  
Intrawell Parametric

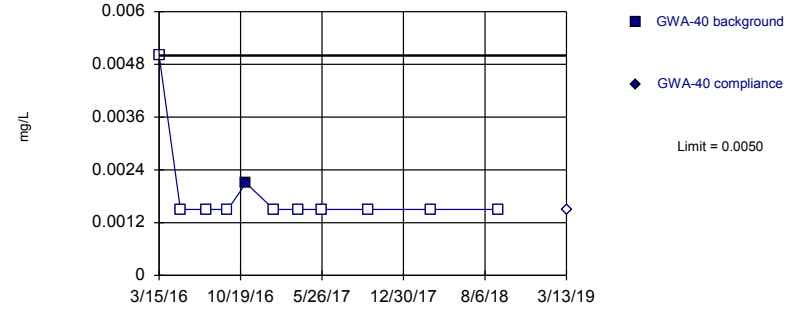


Background Data Summary (after Aitchison's Adjustment): Mean=0.0009763, Std. Dev.=0.001006, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9398, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

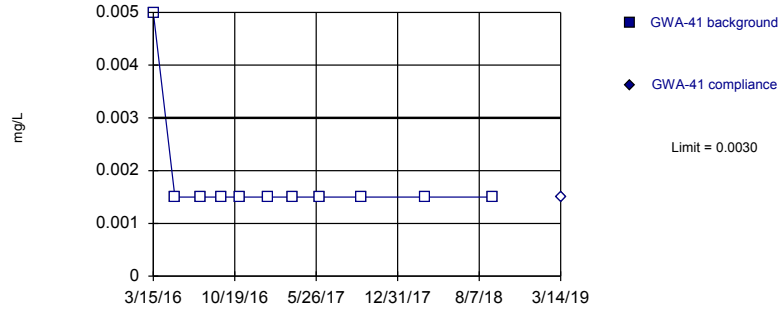


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

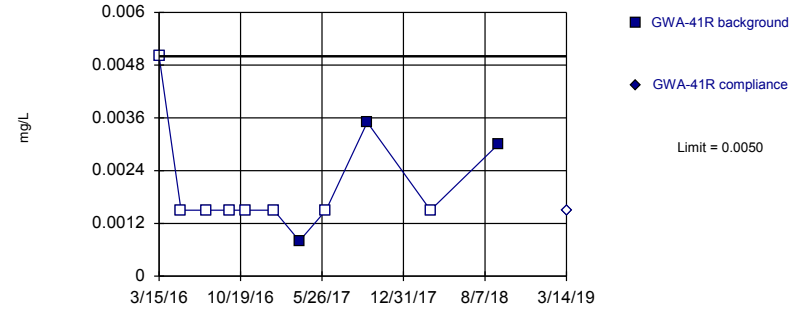


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

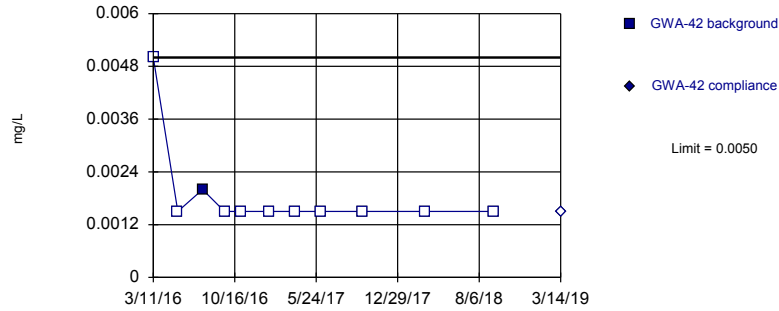
# Prediction Limit

Constituent: Antimony Analysis Run 8/26/2019 10:27 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-39Z	GWA-39Z	GWA-40	GWA-40	GWA-41	GWA-41	GWA-41R	GWA-41R
3/14/2016	0.003							
3/15/2016			<0.01		<0.01		<0.01	
5/11/2016	0.000839 (J)		<0.003					
5/12/2016					<0.003			
5/13/2016							<0.003	
7/19/2016	0.0024 (J)							
7/20/2016					<0.003			
7/21/2016			<0.003				<0.003 (*)	
9/15/2016	0.0009 (J)		<0.003		<0.003			
9/21/2016							<0.003	
11/2/2016	0.001 (J)							
11/3/2016			0.0021 (J)		<0.003		<0.003	
1/17/2017			<0.003				<0.003	
1/18/2017	0.0017 (J)				<0.003			
3/24/2017			<0.003		<0.003			
3/27/2017							0.0008 (J)	
3/28/2017	0.0006 (J)							
5/24/2017			<0.003					
6/6/2017					<0.003		<0.003	
6/7/2017	0.0003 (J)							
9/25/2017					<0.003		0.0035	
9/26/2017	<0.003		<0.003					
3/14/2018	<0.003		<0.003		<0.003		<0.003	
9/12/2018	<0.003		<0.003		<0.003		0.003	
3/13/2019				<0.003				
3/14/2019						<0.003		<0.003
3/15/2019		<0.003						

Within Limit

Prediction Limit  
Intrawell Non-parametric

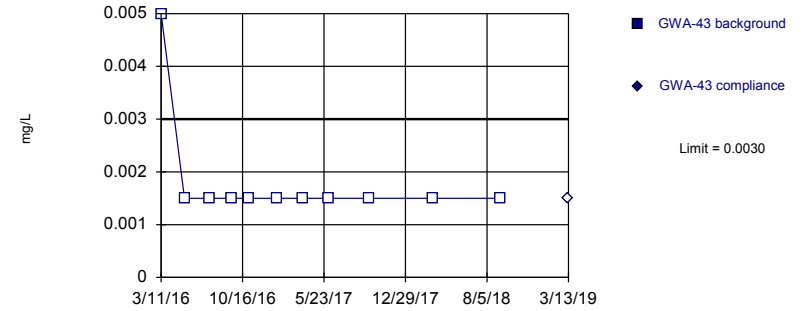


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

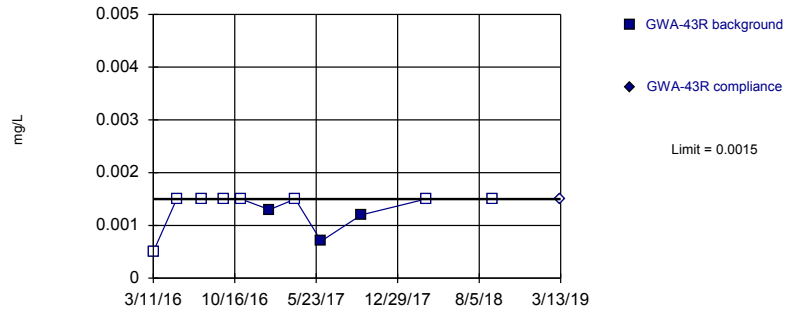


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

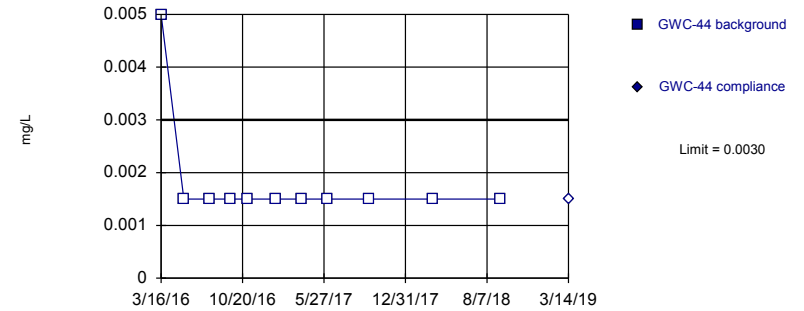


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

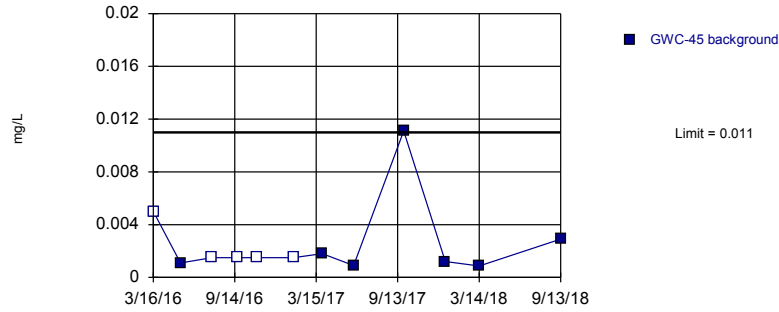
Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

Constituent: Antimony Analysis Run 8/26/2019 10:27 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-42	GWA-42	GWA-43	GWA-43	GWA-43R	GWA-43R	GWC-44	GWC-44
3/11/2016	<0.01		<0.01		<0.001			
3/16/2016							<0.01	
5/13/2016			<0.003		<0.003			
5/16/2016	<0.003						<0.003	
7/19/2016			<0.003 (*)		<0.003			
7/22/2016	0.002 (J)							
7/25/2016							<0.003 (*)	
9/16/2016			<0.003		<0.003			
9/19/2016	<0.003						<0.003	
11/2/2016			<0.003		<0.003			
11/3/2016	<0.003						<0.003	
1/17/2017	<0.003							
1/18/2017			<0.003		0.0013 (J)			
1/19/2017							<0.003	
3/27/2017	<0.003							
3/28/2017			<0.003		<0.003		<0.003	
6/5/2017							<0.003	
6/6/2017			<0.003		0.0007 (J)			
6/7/2017	<0.003							
9/22/2017			<0.003		0.0012 (J)			
9/26/2017	<0.003						<0.003	
3/14/2018	<0.003		<0.003					
3/15/2018					<0.003		<0.003	
9/12/2018			<0.003		<0.003		<0.003	
9/14/2018	<0.003							
3/13/2019				<0.003		<0.003		
3/14/2019		<0.003						<0.003

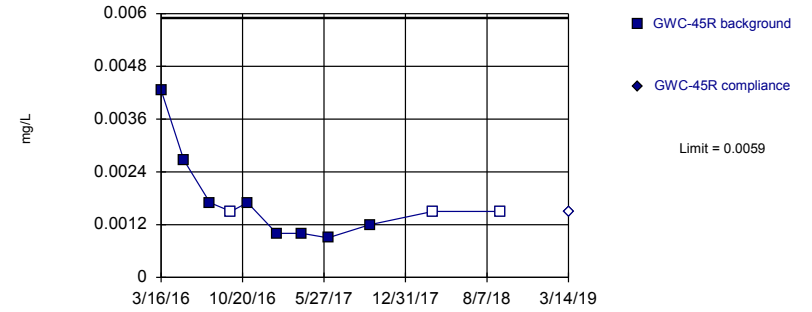
Prediction Limit  
Intrawell Non-parametric, GWC-45



Non-parametric test used after natural log transformation resulted in a parametric limit of 24.66, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 12 background values. 41.67% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3). Assumes 1 future value.

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

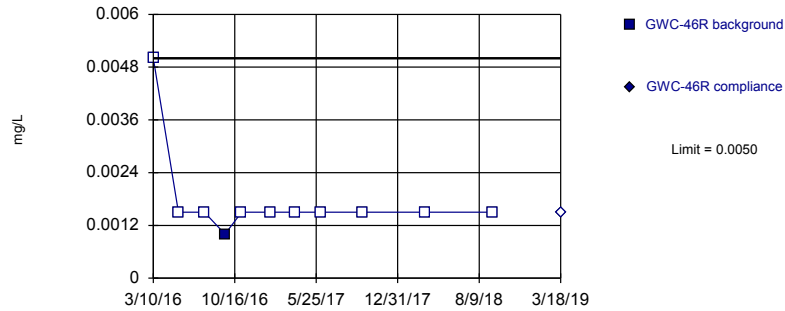
Within Limit  
Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=0.02975, Std. Dev.=0.02166, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8291, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

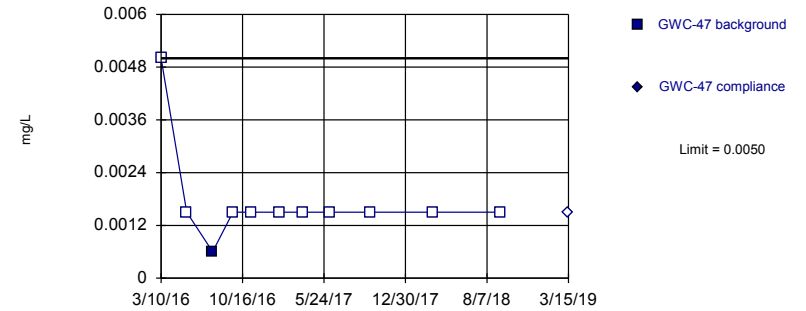
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

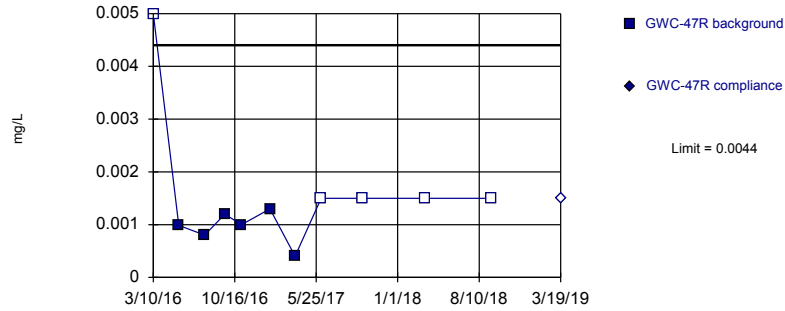
Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

Constituent: Antimony Analysis Run 8/26/2019 10:27 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-45	GWC-45R	GWC-45R	GWC-46R	GWC-46R	GWC-47	GWC-47
3/10/2016				<0.01		<0.01	
3/16/2016	<0.01	0.00426					
5/16/2016	0.00109 (J)	0.00267 (J)					
5/17/2016				<0.003			
5/18/2016						<0.003	
7/25/2016	<0.003 (*)	0.0017 (J)					
7/26/2016				<0.003			
7/27/2016						0.0006 (J)	
9/19/2016	<0.003	<0.003					
9/20/2016				0.001 (J)		<0.003	
11/3/2016		0.0017 (J)					
11/4/2016	<0.003			<0.003			
11/7/2016						<0.003	
1/20/2017		0.001 (J)		<0.003			
1/23/2017	<0.003					<0.003	
3/28/2017				<0.003			
3/29/2017	0.0018 (J)	0.001 (J)				<0.003	
6/7/2017	0.0009 (J)	0.0009 (J)		<0.003			
6/8/2017						<0.003	
9/27/2017	0.0111	0.0012 (J)				<0.003	
9/29/2017				<0.003			
12/29/2017	0.0012 (Y)						
3/15/2018	0.00086 (J)	<0.003		<0.003		<0.003	
9/13/2018	0.0029 (J)	<0.003		<0.003		<0.003	
3/14/2019			<0.003				
3/15/2019							<0.003
3/18/2019					<0.003		

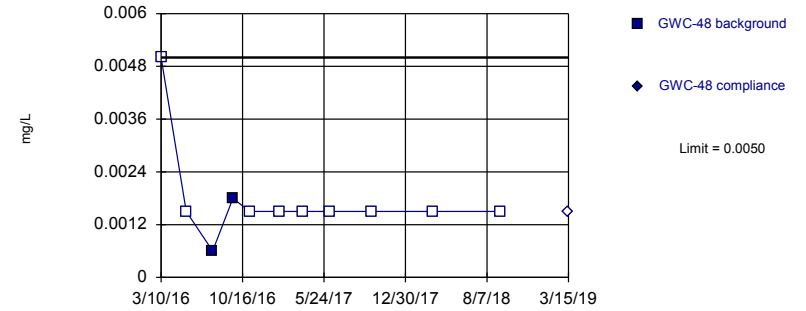
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary (based on cube root transformation) (after Aitchison's Adjustment): Mean=0.05286, Std. Dev.=0.05141, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8126, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

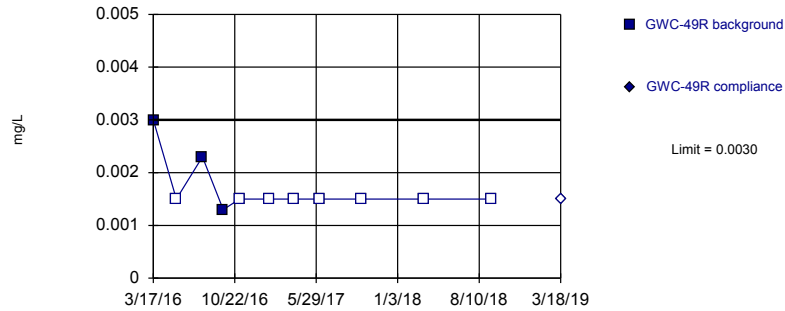
Within Limit Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

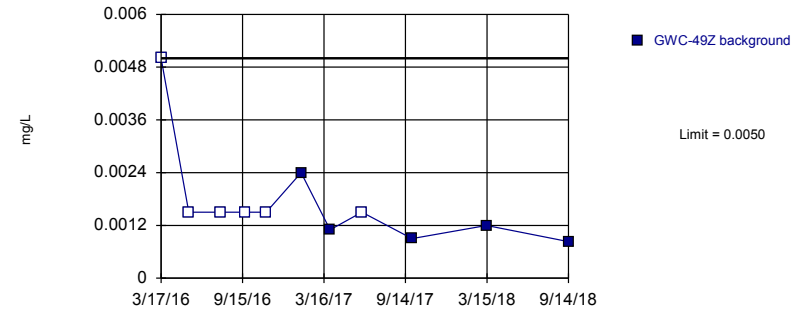
Within Limit Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit Prediction Limit  
Intrawell Non-parametric, GWC-49Z



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

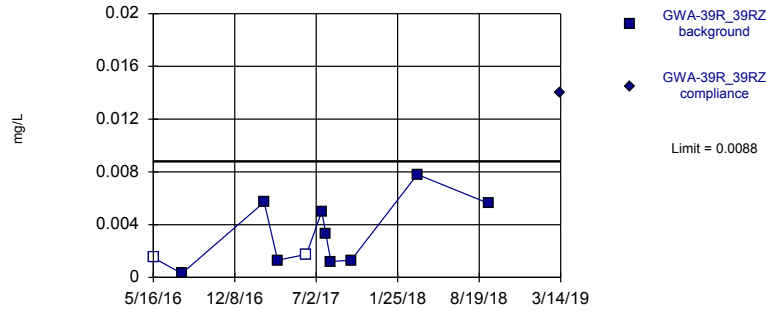
Constituent: Antimony Analysis Run 8/26/2019 10:27 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-47R	GWC-47R	GWC-48	GWC-48	GWC-49R	GWC-49R	GWC-49Z
3/10/2016	<0.01		<0.01				
3/17/2016					0.003		<0.01
5/17/2016			<0.003				
5/18/2016	0.000987 (J)				<0.003		<0.003
7/27/2016	0.0008 (J)		0.0006 (J)		0.0023 (J)		
7/28/2016							<0.003
9/20/2016	0.0012 (J)		0.0018 (J)				
9/21/2016					0.0013 (J)		<0.003
11/4/2016	0.001 (J)		<0.003		<0.003		
11/7/2016							<0.003 (*)
1/20/2017	0.0013 (J)						
1/23/2017			<0.003				
1/24/2017					<0.003		0.0024 (J)
3/28/2017			<0.003				
3/29/2017	0.0004 (J)				<0.003		
3/30/2017							0.0011 (J)
6/8/2017	<0.003 (*)		<0.003 (*)		<0.003 (*)		
6/9/2017							<0.003 (*)
9/27/2017	<0.003						
9/29/2017			<0.003		<0.003		0.0009 (J)
3/15/2018			<0.003		<0.003		0.0012 (J)
3/16/2018	<0.003						
9/13/2018	<0.003		<0.003		<0.003		
9/14/2018							0.00083 (J)
3/15/2019				<0.003			
3/18/2019						<0.003	
3/19/2019		<0.003					



Exceeds Limit

Prediction Limit  
Intrawell Parametric

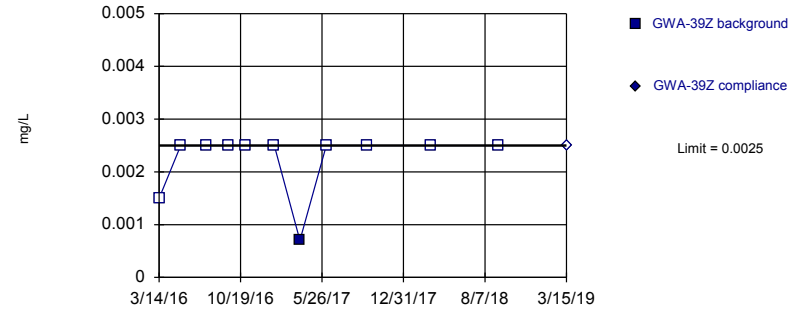


Background Data Summary (after Aitchison's Adjustment): Mean=0.002864, Std. Dev.=0.002744, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8776, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Antimony Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

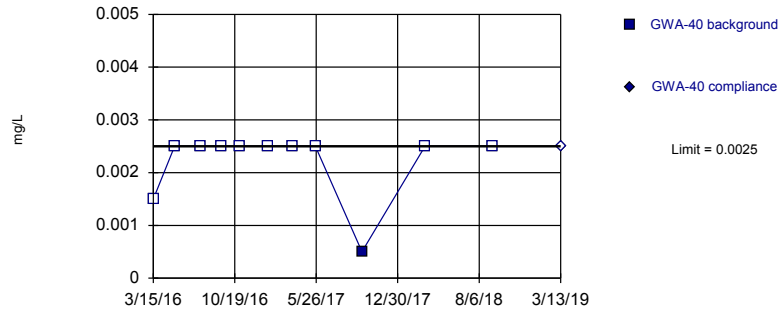


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

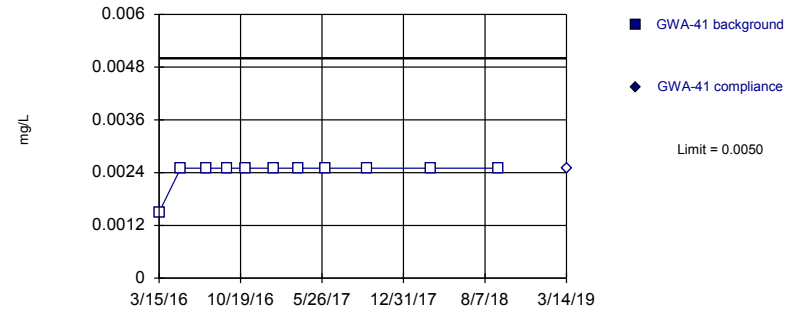


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:15 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

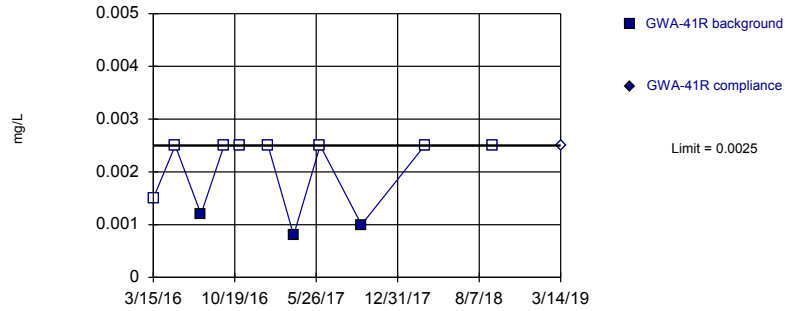
Constituent: Antimony, Arsenic Analysis Run 8/26/2019 10:27 AM View: cell 9&10 OB&BR metals

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-39R_39RZ	GWA-39R_39RZ	GWA-39Z	GWA-39Z	GWA-40	GWA-40	GWA-41	GWA-41
3/14/2016			<0.003					
3/15/2016					<0.003		<0.003	
5/11/2016			<0.005		<0.005			
5/12/2016							<0.005	
5/16/2016	<0.003 (D)							
7/19/2016			<0.005					
7/20/2016							<0.005	
7/21/2016					<0.005			
7/27/2016	0.0003 (JD)							
9/15/2016			<0.005		<0.005		<0.005	
11/2/2016			<0.005					
11/3/2016					<0.005		<0.005	
1/17/2017					<0.005			
1/18/2017			<0.005				<0.005	
2/21/2017	0.0057							
3/24/2017					<0.005		<0.005	
3/27/2017	0.0013 (JD)							
3/28/2017			0.0007 (J)					
5/24/2017					<0.005			
6/6/2017							<0.005 (*)	
6/7/2017			<0.005					
6/8/2017	<0.0035 (*)							
7/17/2017	0.005 (D)							
7/27/2017	0.0033							
8/9/2017	0.0012 (J)							
9/25/2017							<0.005	
9/26/2017			<0.005		0.0005 (J)			
9/29/2017	0.0013 (JD)							
3/14/2018			<0.005		<0.005		<0.005	
3/16/2018	0.0078							
9/12/2018			<0.005		<0.005		<0.005	
9/14/2018	0.0056							
3/13/2019						<0.005		
3/14/2019		0.014						<0.005
3/15/2019				<0.005				

Within Limit

Prediction Limit  
Intrawell Non-parametric

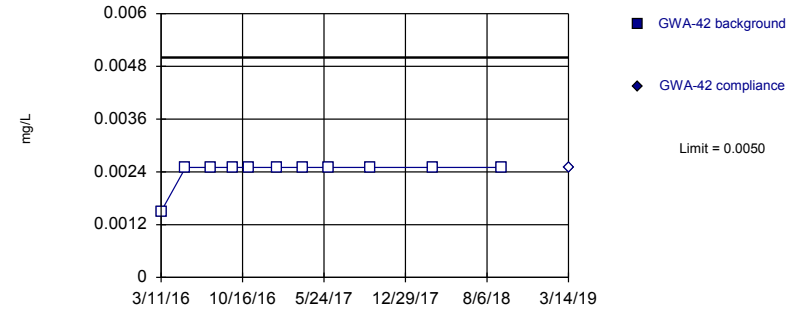


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

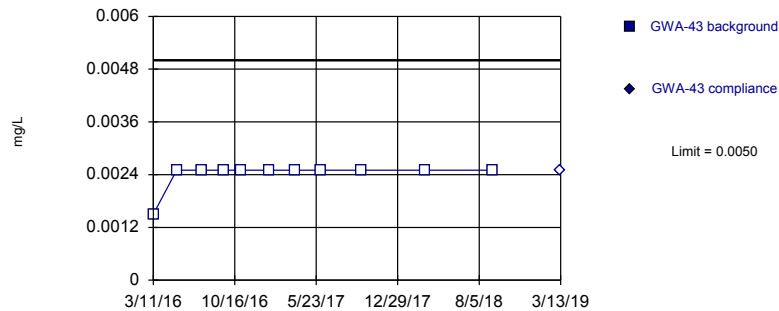


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

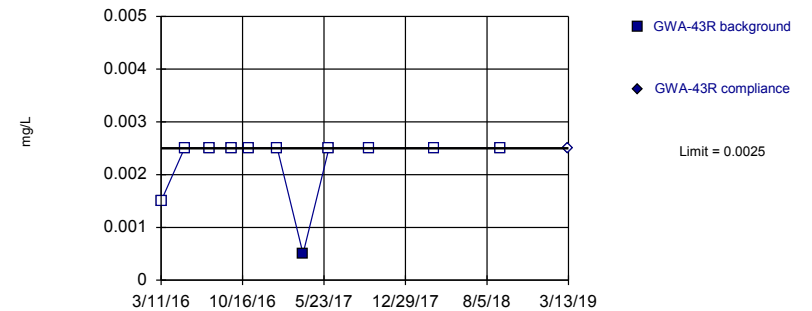


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

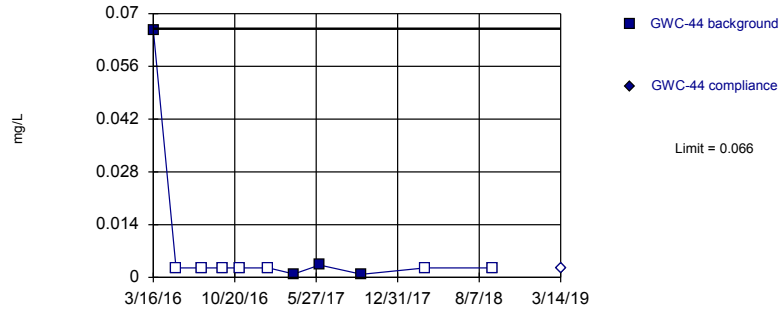
Constituent: Arsenic Analysis Run 8/26/2019 10:27 AM View: cell 9&10 OB&BR metals

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-41R	GWA-41R	GWA-42	GWA-42	GWA-43	GWA-43	GWA-43R	GWA-43R
3/11/2016			<0.003		<0.003		<0.003	
3/15/2016	<0.003							
5/13/2016	<0.005				<0.005		<0.005	
5/16/2016			<0.005					
7/19/2016					<0.005		<0.005	
7/21/2016	0.0012 (J)							
7/22/2016			<0.005					
9/16/2016					<0.005		<0.005	
9/19/2016			<0.005					
9/21/2016	<0.005							
11/2/2016					<0.005		<0.005	
11/3/2016	<0.005		<0.005					
1/17/2017	<0.005		<0.005					
1/18/2017					<0.005		<0.005	
3/27/2017	0.0008 (J)		<0.005					
3/28/2017					<0.005		0.0005 (J)	
6/6/2017	<0.005 (*)				<0.005 (*)		<0.005 (*)	
6/7/2017			<0.005 (*)					
9/22/2017					<0.005		<0.005	
9/25/2017	0.001 (J)							
9/26/2017			<0.005					
3/14/2018	<0.005		<0.005		<0.005			
3/15/2018							<0.005	
9/12/2018	<0.005				<0.005		<0.005	
9/14/2018			<0.005					
3/13/2019						<0.005		<0.005
3/14/2019		<0.005		<0.005				

Within Limit

Prediction Limit  
Intrawell Non-parametric

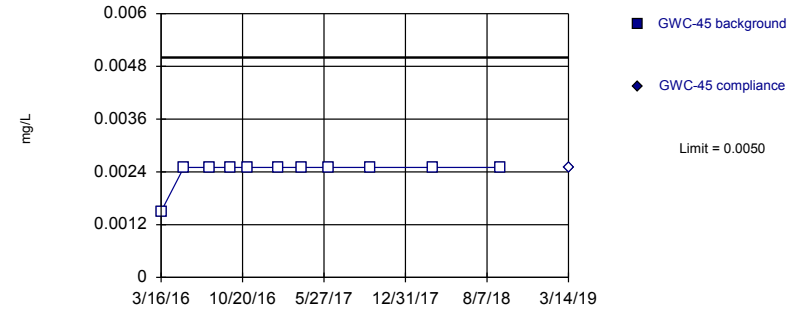


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

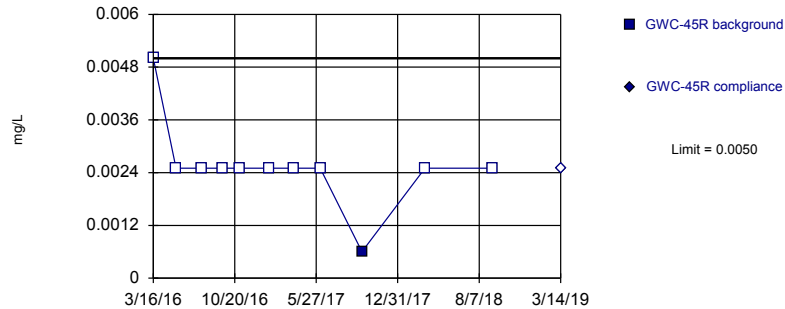


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

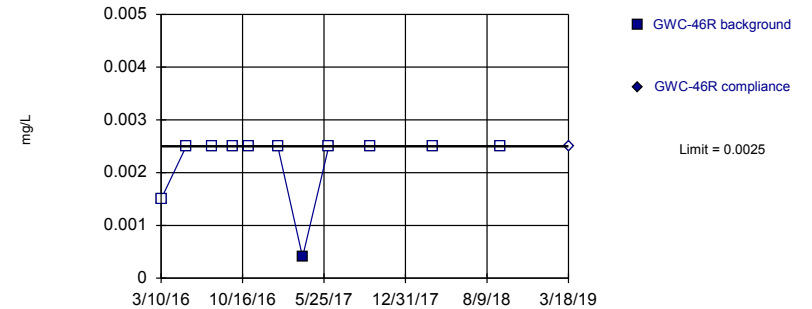


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



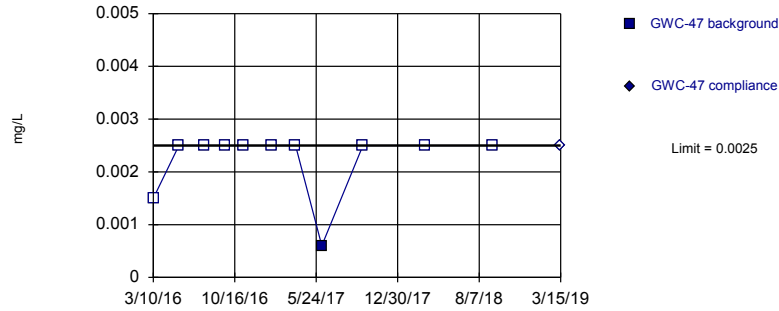
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

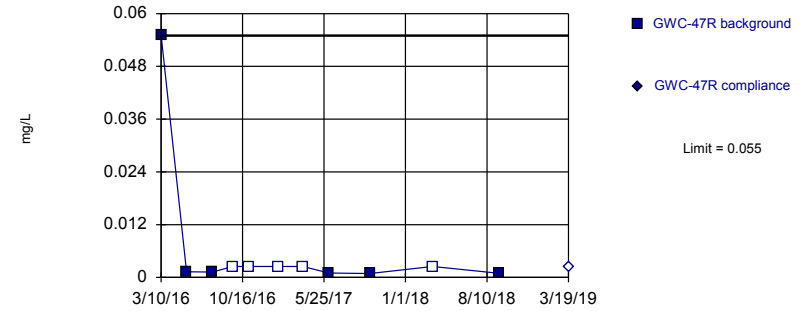


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

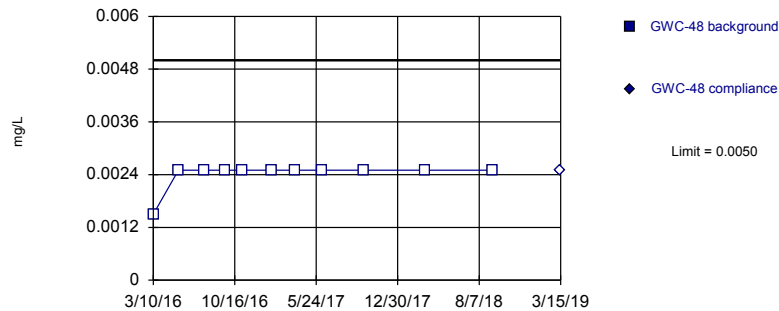


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 45.45% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

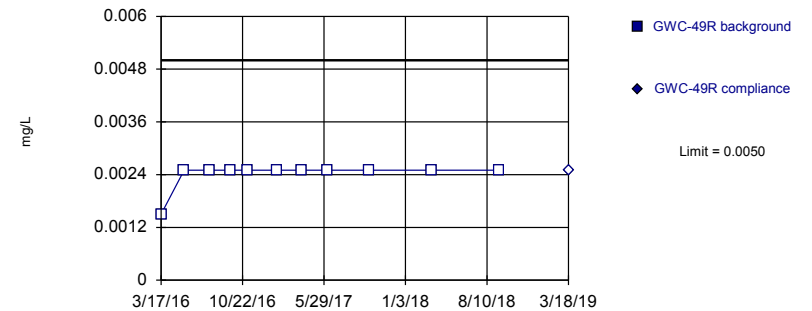


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

Constituent: Arsenic Analysis Run 8/26/2019 10:27 AM View: cell 9&10 OB&BR metals

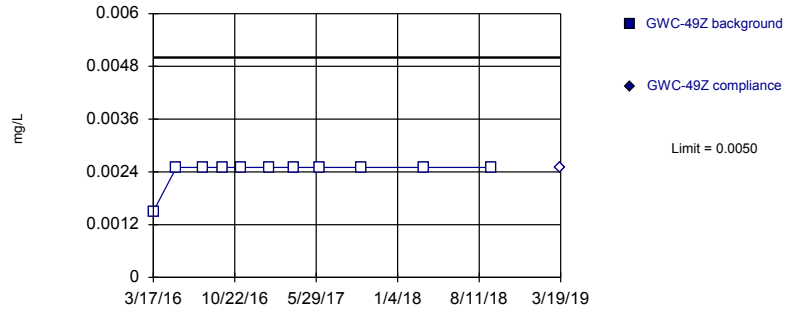
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-47	GWC-47	GWC-47R	GWC-47R	GWC-48	GWC-48	GWC-49R	GWC-49R
3/10/2016	<0.003		0.0551 (J)		<0.003			
3/17/2016							<0.003	
5/17/2016					<0.005			
5/18/2016	<0.005		0.00127 (J)				<0.005	
7/27/2016	<0.005		0.0012 (J)		<0.005		<0.005	
9/20/2016	<0.005		<0.005		<0.005			
9/21/2016							<0.005	
11/4/2016			<0.005		<0.005		<0.005	
11/7/2016	<0.005							
1/20/2017			<0.005					
1/23/2017	<0.005				<0.005			
1/24/2017							<0.005	
3/28/2017					<0.005			
3/29/2017	<0.005		<0.005				<0.005	
6/8/2017	0.0006 (J)		0.001 (J)		<0.005		<0.005	
9/27/2017	<0.005		0.0009 (J)					
9/29/2017					<0.005		<0.005	
3/15/2018	<0.005				<0.005		<0.005	
3/16/2018			<0.005					
9/13/2018	<0.005		0.00091 (J)		<0.005		<0.005	
3/15/2019		<0.005				<0.005		
3/18/2019								<0.005
3/19/2019				<0.005				



Within Limit

Prediction Limit  
Intrawell Non-parametric

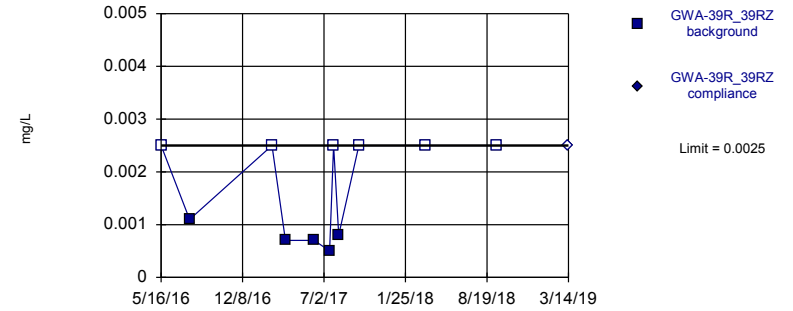


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

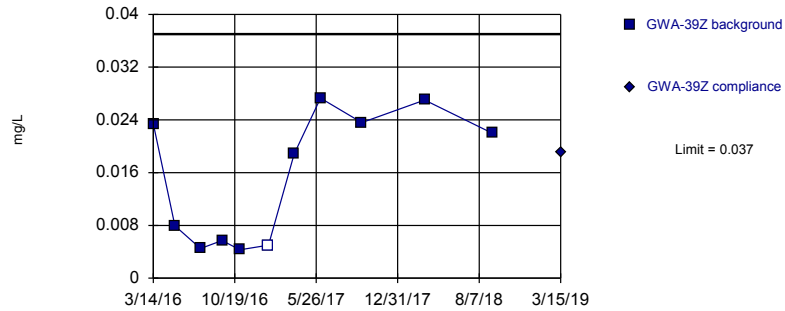


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

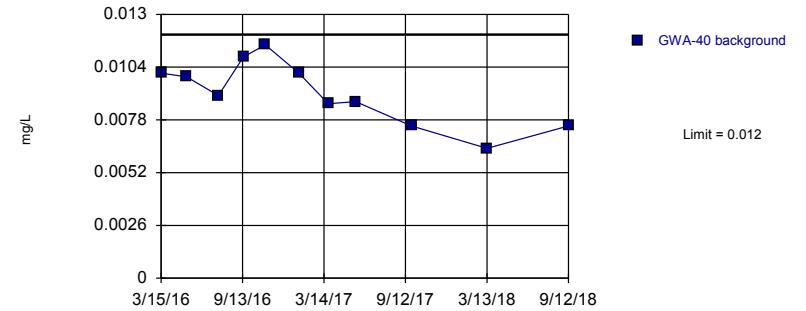


Background Data Summary: Mean=0.01541, Std. Dev.=0.009811, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8175, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Barium Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric, GWA-40 (bg)



Background Data Summary: Mean=0.009111, Std. Dev.=0.001565, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9681, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Barium Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

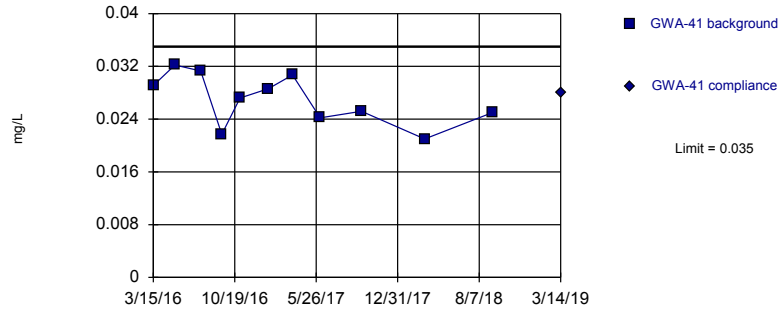
# Prediction Limit

Constituent: Arsenic, Barium Analysis Run 8/26/2019 10:27 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-49Z	GWC-49Z	GWA-39R_39RZ	GWA-39R_39RZ	GWA-39Z	GWA-39Z	GWA-40
3/14/2016					0.0234		
3/15/2016							0.0101
3/17/2016	<0.003						
5/11/2016					0.00793 (J)		0.00992 (J)
5/16/2016			<0.005 (D)				
5/18/2016	<0.005						
7/19/2016					0.0045 (J)		
7/21/2016							0.009 (J)
7/27/2016			0.0011 (JD)				
7/28/2016	<0.005						
9/15/2016					0.0057 (J)		0.0109
9/21/2016	<0.005						
11/2/2016					0.0043 (J)		
11/3/2016							0.0115
11/7/2016	<0.005						
1/17/2017							0.0101
1/18/2017					<0.01 (*)		
1/24/2017	<0.005						
2/21/2017			<0.005				
3/24/2017							0.0086 (J)
3/27/2017			0.0007 (JD)				
3/28/2017					0.0188		
3/30/2017	<0.005						
5/24/2017							0.0087 (J)
6/7/2017					0.0273		
6/8/2017			0.0007 (JD)				
6/9/2017	<0.005						
7/17/2017			0.0005 (JD)				
7/27/2017			<0.005				
8/9/2017			0.0008 (J)				
9/26/2017					0.0236		0.0075 (J)
9/29/2017	<0.005		<0.005 (D)				
3/14/2018					0.027		0.0064 (J)
3/15/2018	<0.005						
3/16/2018			<0.005				
9/12/2018					0.022		0.0075 (J)
9/14/2018	<0.005		<0.005				
3/14/2019				<0.005			
3/15/2019						0.019	
3/19/2019		<0.005					

Within Limit

Prediction Limit  
Intrawell Parametric

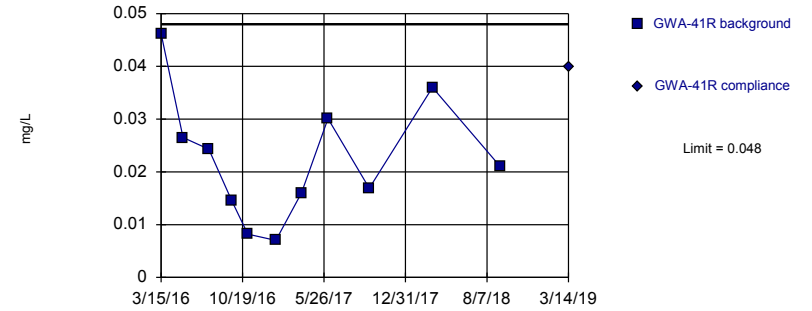


Background Data Summary: Mean=0.02693, Std. Dev.=0.003812, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9494, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Barium Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

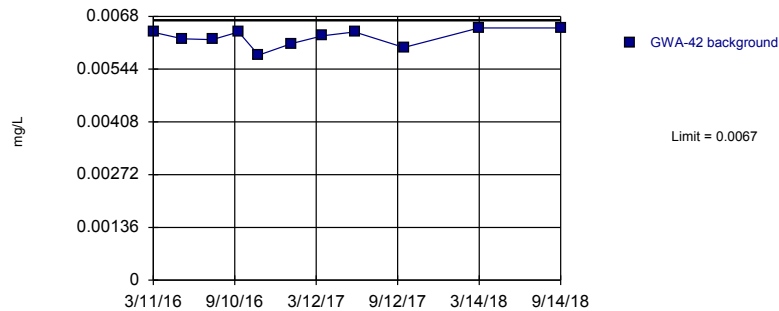
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.02243, Std. Dev.=0.01186, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9589, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Barium Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Parametric, GWA-42 (bg)

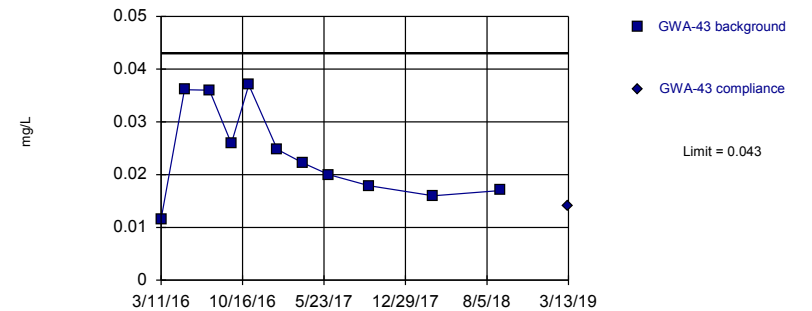


Background Data Summary: Mean=0.006255, Std. Dev.=0.0002197, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.919, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Barium Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.02405, Std. Dev.=0.00887, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9033, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

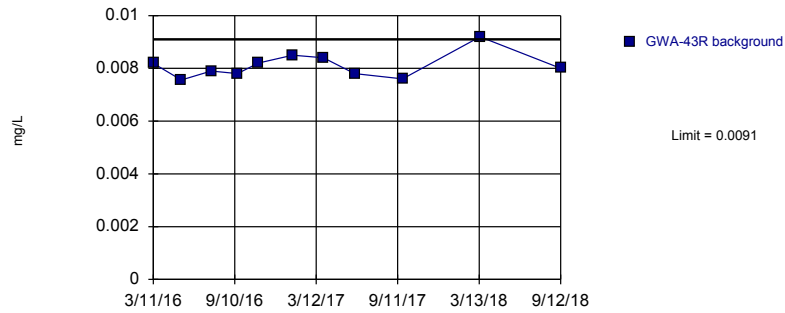
Constituent: Barium Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

Constituent: Barium Analysis Run 8/26/2019 10:27 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-41	GWA-41	GWA-41R	GWA-41R	GWA-42	GWA-43	GWA-43
3/11/2016					0.00639 (J)	0.0116	
3/15/2016	0.0291		0.0462				
5/12/2016	0.0322						
5/13/2016			0.0265			0.0361	
5/16/2016					0.00622 (J)		
7/19/2016						0.036	
7/20/2016	0.0313						
7/21/2016			0.0243				
7/22/2016					0.0062 (J)		
9/15/2016	0.0217						
9/16/2016						0.0259	
9/19/2016					0.0064 (J)		
9/21/2016			0.0145				
11/2/2016						0.037	
11/3/2016	0.0272		0.0082 (J)		0.0058 (J)		
1/17/2017			0.007 (J)		0.0061 (J)		
1/18/2017	0.0286 (J)					0.0248	
3/24/2017	0.0307						
3/27/2017			0.016		0.0063 (J)		
3/28/2017						0.0222	
6/6/2017	0.0242		0.0301			0.02	
6/7/2017					0.0064 (J)		
9/22/2017						0.0179	
9/25/2017	0.0252		0.0169				
9/26/2017					0.006 (J)		
3/14/2018	0.021		0.036		0.0065 (J)	0.016	
9/12/2018	0.025		0.021			0.017	
9/14/2018					0.0065 (J)		
3/13/2019							0.014
3/14/2019		0.028		0.04			

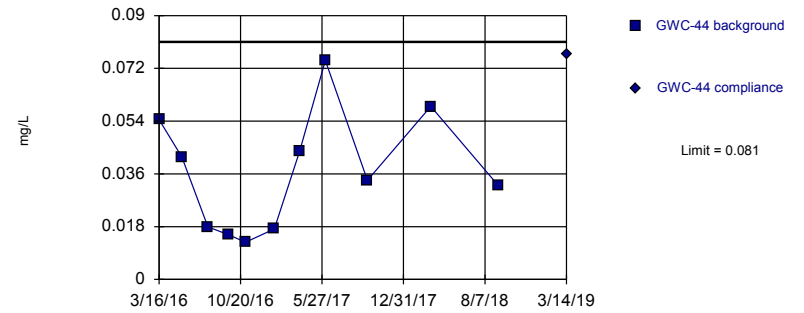
Prediction Limit  
Intrawell Parametric, GWA-43R (bg)



Background Data Summary: Mean=0.008105, Std. Dev.=0.0004743, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9088, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Barium Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

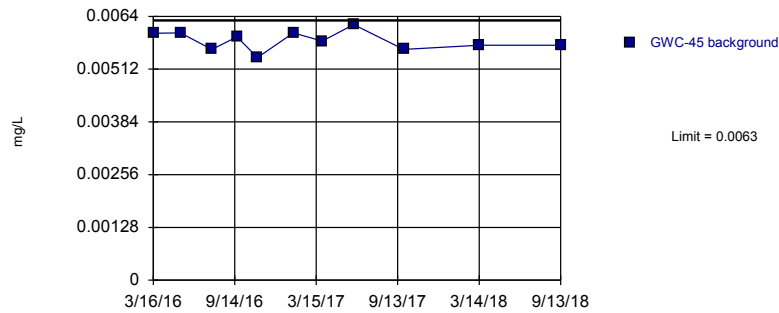
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.03659, Std. Dev.=0.02034, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9308, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Barium Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

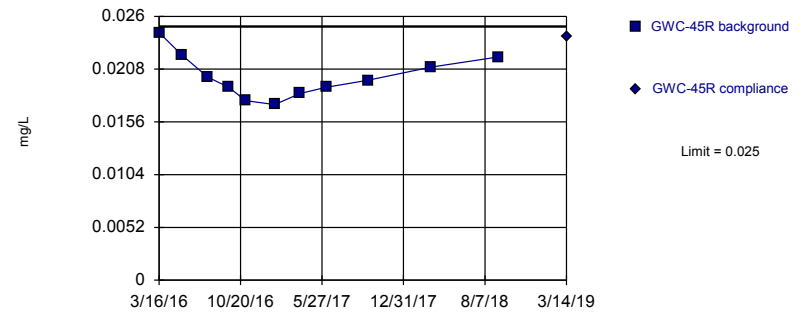
Prediction Limit  
Intrawell Parametric, GWC-45



Background Data Summary: Mean=0.005808, Std. Dev.=0.0002335, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9676, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Barium Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.02006, Std. Dev.=0.002154, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9497, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Barium Analysis Run 8/26/2019 10:16 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

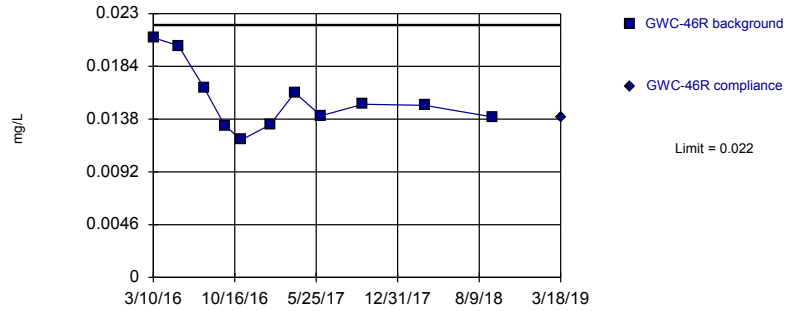
# Prediction Limit

Constituent: Barium Analysis Run 8/26/2019 10:27 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-43R	GWC-44	GWC-44	GWC-45	GWC-45R	GWC-45R
3/11/2016	0.00819 (J)					
3/16/2016		0.0545		0.00599 (J)	0.0244	
5/13/2016	0.00756 (J)					
5/16/2016		0.0418		0.006 (J)	0.0222	
7/19/2016	0.0079 (J)					
7/25/2016		0.0179		0.0056 (J)	0.02	
9/16/2016	0.0078 (J)					
9/19/2016		0.0152		0.0059 (J)	0.019	
11/2/2016	0.0082 (J)					
11/3/2016		0.0127			0.0177	
11/4/2016				0.0054 (J)		
1/18/2017	0.0085 (J)					
1/19/2017		0.0172				
1/20/2017					0.0173	
1/23/2017				0.006 (J)		
3/28/2017	0.0084 (J)	0.0437				
3/29/2017				0.0058 (J)	0.0184	
6/5/2017		0.0747				
6/6/2017	0.0078 (J)					
6/7/2017				0.0062 (J)	0.019	
9/22/2017	0.0076 (J)					
9/26/2017		0.0338				
9/27/2017				0.0056 (J)	0.0197	
3/15/2018	0.0092 (J)	0.059		0.0057 (J)	0.021	
9/12/2018	0.008 (J)	0.032				
9/13/2018				0.0057 (J)	0.022	
3/14/2019			0.077			0.024

Within Limit

Prediction Limit  
Intrawell Parametric

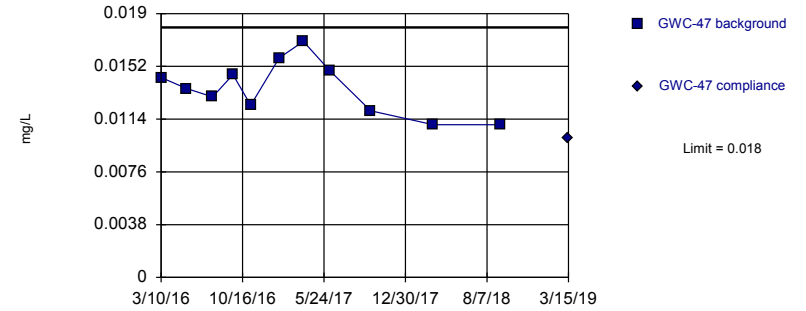


Background Data Summary: Mean=0.01549, Std. Dev.=0.002822, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8859, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Barium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

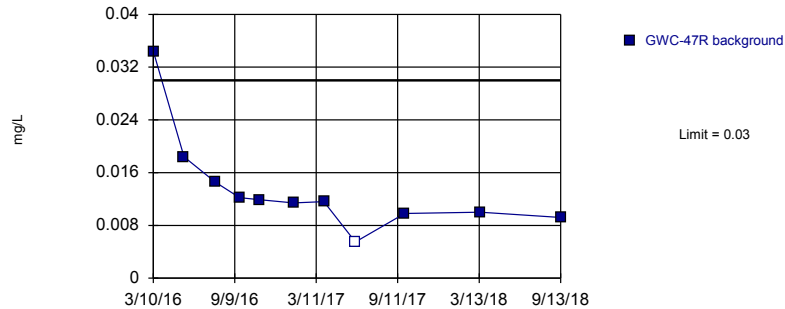
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.01361, Std. Dev.=0.001939, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9632, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Barium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Parametric, GWC-47R

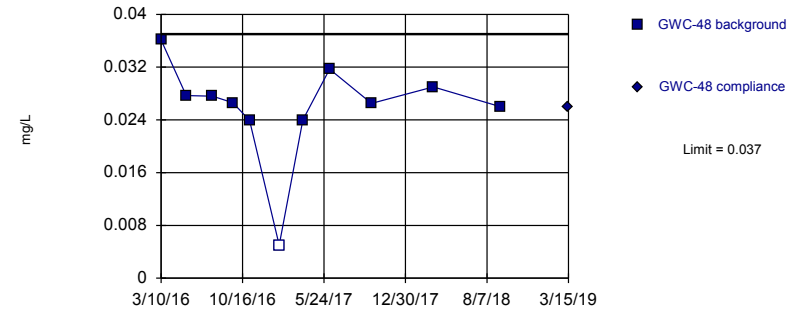


Background Data Summary (based on square root transformation): Mean=0.1132, Std. Dev.=0.02843, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8343, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Barium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square transformation): Mean=0.0007215, Std. Dev.=0.0003112, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9063, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Barium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

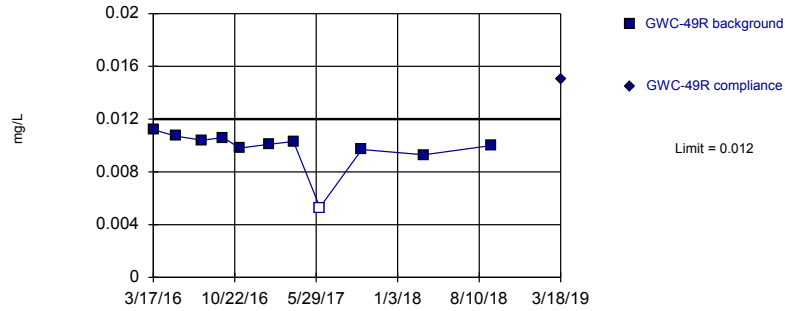
Constituent: Barium Analysis Run 8/26/2019 10:27 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-46R	GWC-46R	GWC-47	GWC-47	GWC-47R	GWC-48	GWC-48
3/10/2016	0.0209		0.0144		0.0344	0.0361	
5/17/2016	0.0202					0.0277	
5/18/2016			0.0136		0.0184		
7/26/2016	0.0165						
7/27/2016			0.013		0.0146	0.0276	
9/20/2016	0.0132		0.0146		0.0122	0.0266	
11/4/2016	0.012				0.0119	0.0239	
11/7/2016			0.0124				
1/20/2017	0.0133				0.0114		
1/23/2017			0.0158			<0.01	
3/28/2017	0.0161					0.024	
3/29/2017			0.017		0.0116		
6/7/2017	0.0141						
6/8/2017			0.0149		<0.011 (*)	0.0317	
9/27/2017			0.012		0.0098 (J)		
9/29/2017	0.0151					0.0265	
3/15/2018	0.015		0.011			0.029	
3/16/2018					0.01		
9/13/2018	0.014		0.011		0.0092 (J)	0.026	
3/15/2019				0.01			0.026
3/18/2019		0.014					



Exceeds Limit

Prediction Limit  
Intrawell Parametric

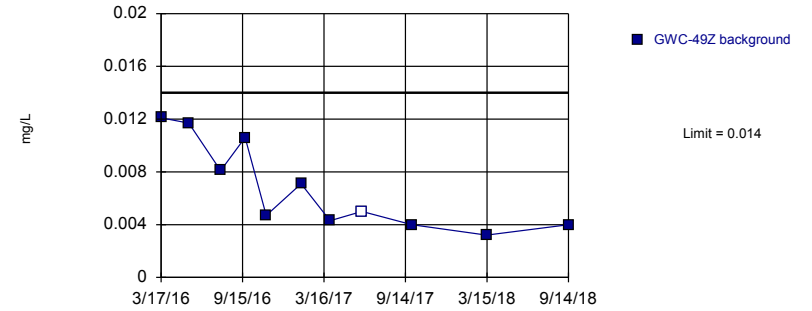


Background Data Summary (based on cube transformation): Mean=9.9e-7, Std. Dev.=3.2e-7, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8401, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Barium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric, GWC-49Z

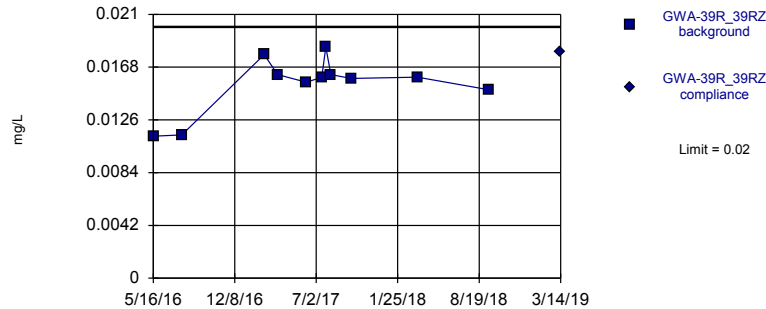


Background Data Summary: Mean=0.0068, Std. Dev.=0.00333, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8555, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Barium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

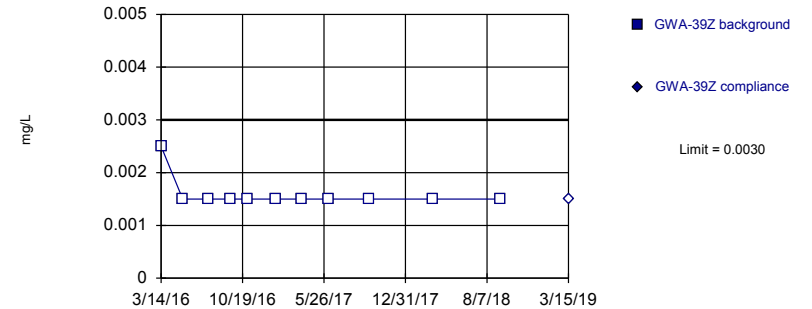


Background Data Summary: Mean=0.01544, Std. Dev.=0.002236, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8351, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Barium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

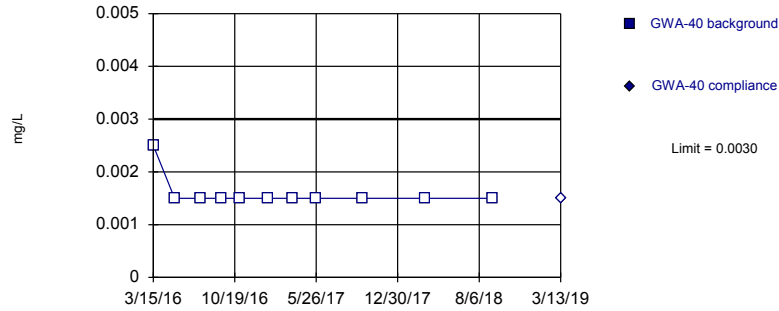
Constituent: Barium, Beryllium Analysis Run 8/26/2019 10:27 AM View: cell 9&10 OB&BR metals

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-49R	GWC-49R	GWC-49Z	GWA-39R_39RZ	GWA-39R_39RZ	GWA-39Z	GWA-39Z
3/14/2016						<0.005	
3/17/2016	0.0112		0.0121				
5/11/2016						<0.003	
5/16/2016				0.0113 (D)			
5/18/2016	0.0107		0.0117				
7/19/2016						<0.003	
7/27/2016	0.0104			0.0114 (D)			
7/28/2016			0.0081 (J)				
9/15/2016						<0.003	
9/21/2016	0.0106		0.0106				
11/2/2016						<0.003	
11/4/2016	0.0098 (J)						
11/7/2016			0.0047 (J)				
1/18/2017						<0.003	
1/24/2017	0.0101		0.0071 (J)				
2/21/2017				0.0178			
3/27/2017				0.0162 (D)			
3/28/2017						<0.003	
3/29/2017	0.0103						
3/30/2017			0.0043 (J)				
6/7/2017						<0.003	
6/8/2017	<0.0106 (*)			0.0156 (D)			
6/9/2017			<0.01 (*)				
7/17/2017				0.016 (D)			
7/27/2017				0.0184			
8/9/2017				0.0162			
9/26/2017						<0.003	
9/29/2017	0.0097 (J)		0.004 (J)	0.0159 (D)			
3/14/2018						<0.003	
3/15/2018	0.0093 (J)		0.0032 (J)				
3/16/2018				0.016			
9/12/2018						<0.003	
9/13/2018	0.01						
9/14/2018			0.004 (J)	0.015			
3/14/2019					0.018		
3/15/2019						<0.003	
3/18/2019		0.015					

Within Limit

Prediction Limit  
Intrawell Non-parametric

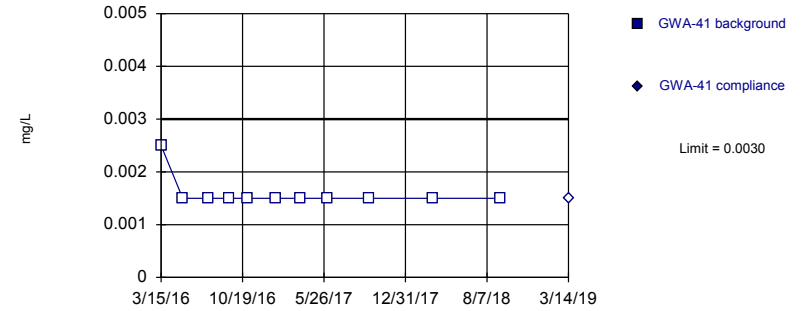


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

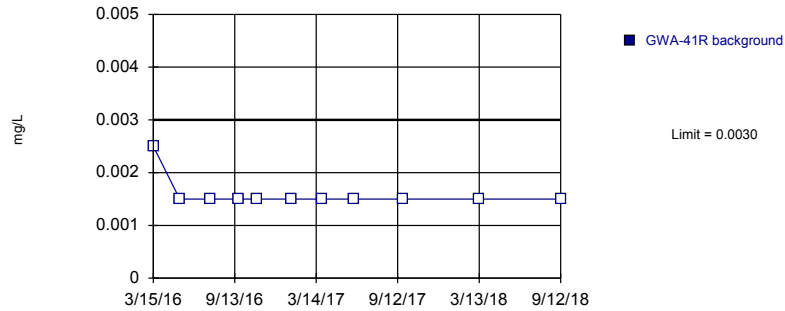
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

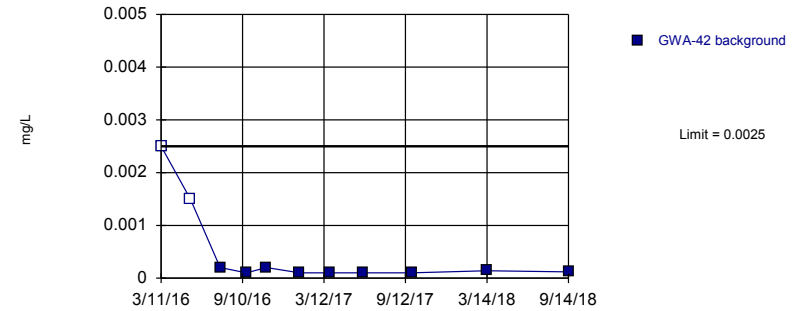
Prediction Limit  
Intrawell Non-parametric, GWA-41R (bg)



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is highest of 11 background values. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Non-parametric, GWA-42 (bg)



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 18.18% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

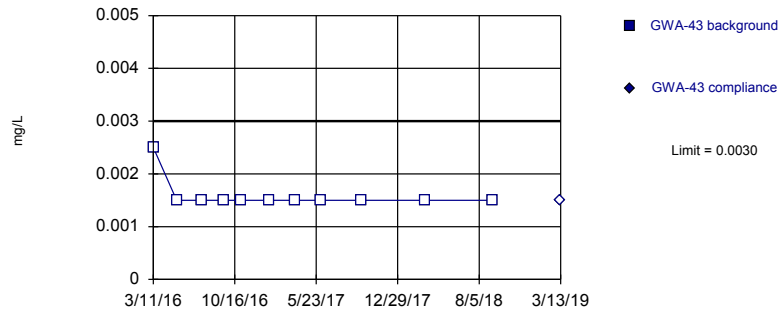
# Prediction Limit

Constituent: Beryllium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-40	GWA-40	GWA-41	GWA-41	GWA-41R	GWA-42
3/11/2016						<0.005
3/15/2016	<0.005		<0.005		<0.005	
5/11/2016	<0.003					
5/12/2016			<0.003			
5/13/2016					<0.003	
5/16/2016						<0.003
7/20/2016			<0.003			
7/21/2016	<0.003				<0.003	
7/22/2016						0.0002 (J)
9/15/2016	<0.003		<0.003			
9/19/2016						0.0001 (J)
9/21/2016					<0.003	
11/3/2016	<0.003		<0.003		<0.003	0.0002 (J)
1/17/2017	<0.003				<0.003	0.0001 (J)
1/18/2017			<0.003			
3/24/2017	<0.003		<0.003			
3/27/2017					<0.003	0.0001 (J)
5/24/2017	<0.003					
6/6/2017			<0.003		<0.003	
6/7/2017						0.0001 (J)
9/25/2017			<0.003		<0.003	
9/26/2017	<0.003					0.0001 (J)
3/14/2018	<0.003		<0.003		<0.003	0.00014 (J)
9/12/2018	<0.003		<0.003		<0.003	
9/14/2018						0.00012 (J)
3/13/2019		<0.003				
3/14/2019				<0.003		

Within Limit

Prediction Limit  
Intrawell Non-parametric

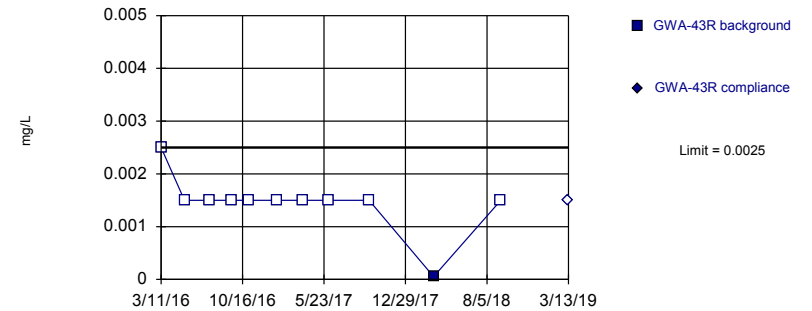


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

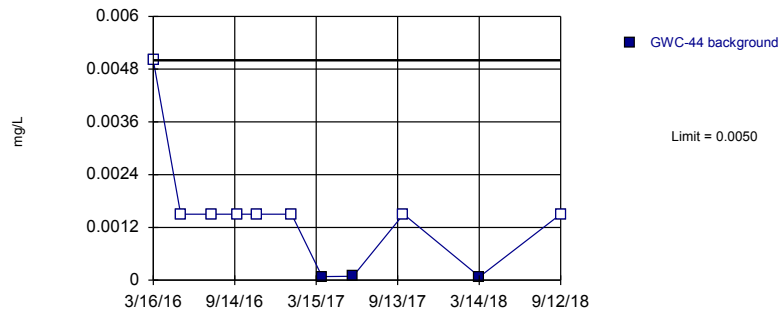
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-44

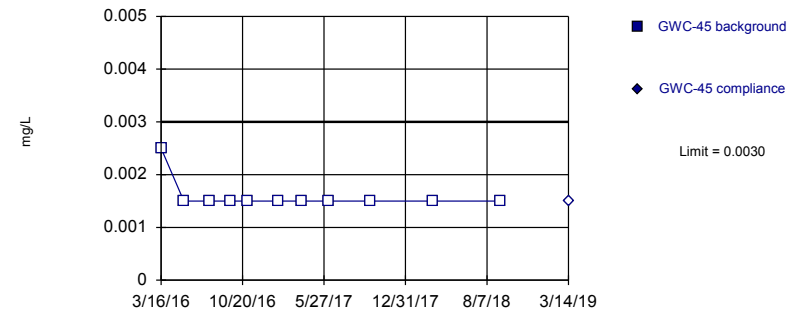


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



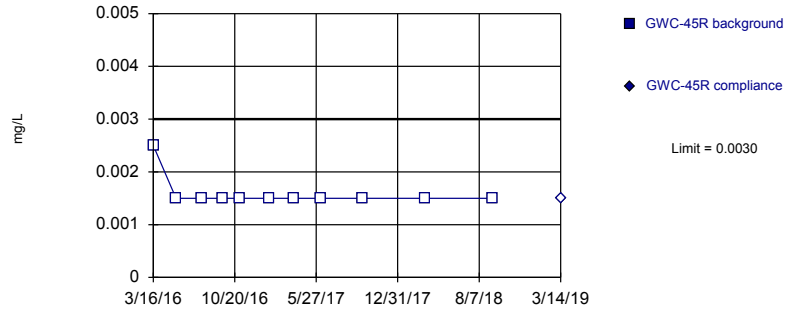
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

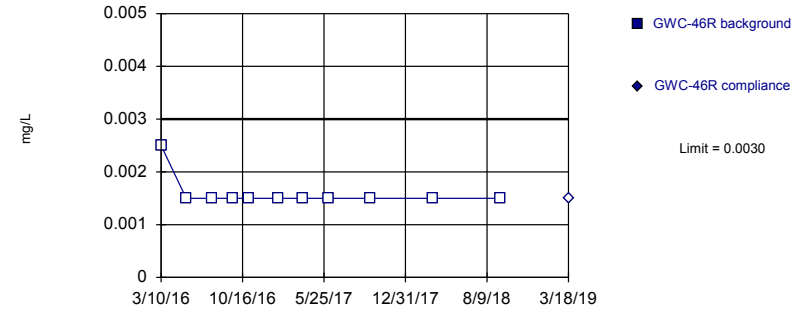


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

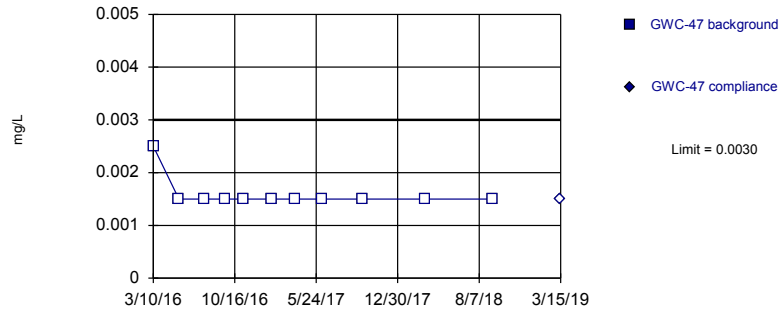


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

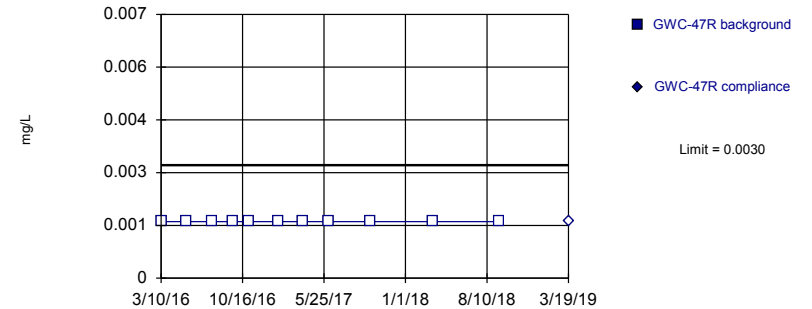


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



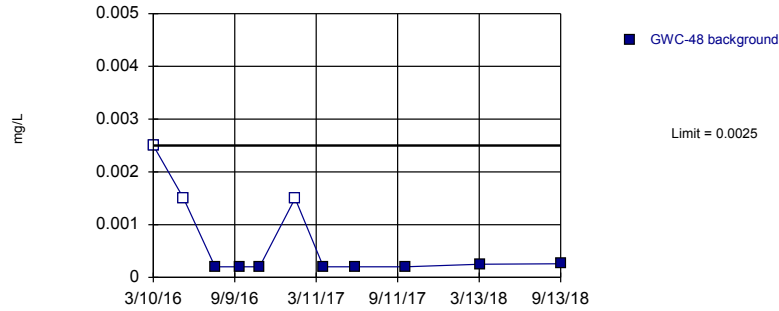
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR





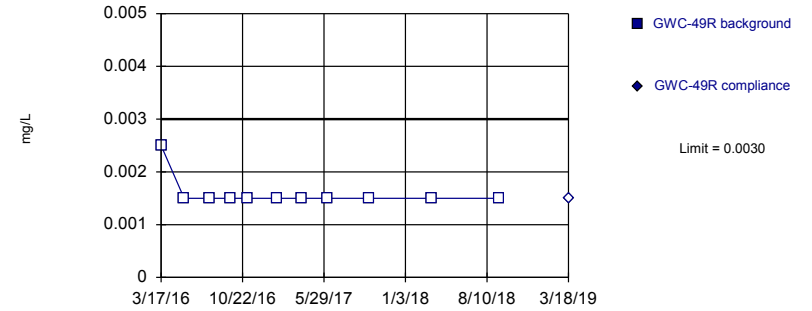
Prediction Limit  
Intrawell Non-parametric, GWC-48



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 27.27% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

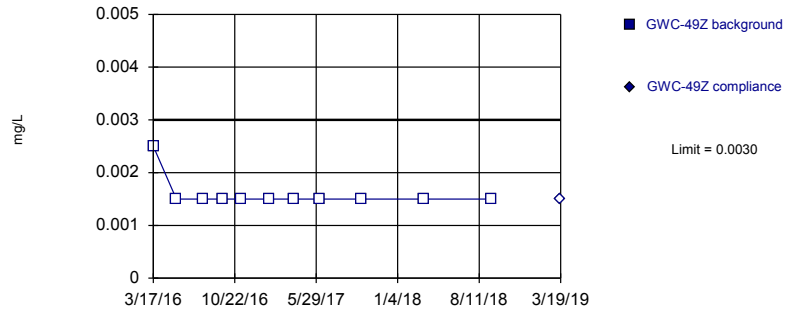
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/26/2019 10:17 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

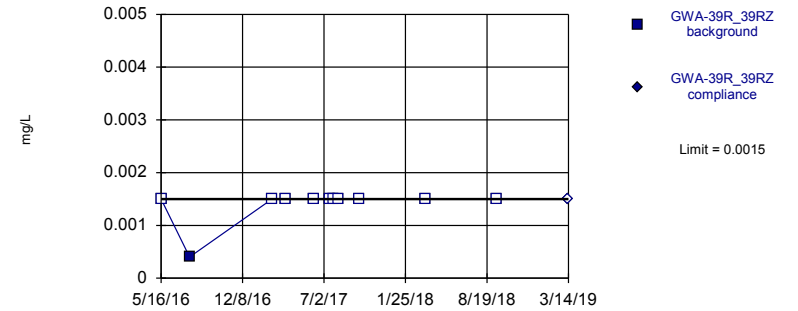
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

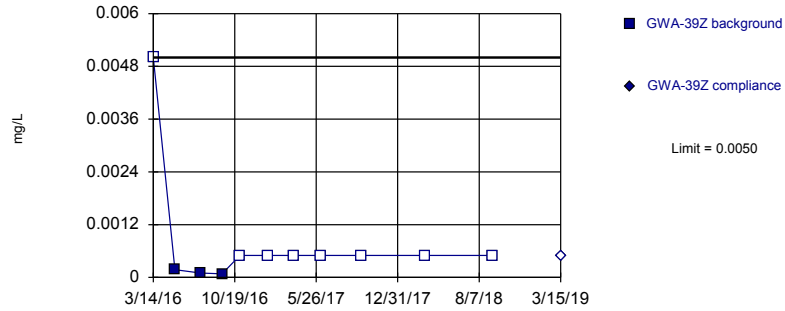
Constituent: Beryllium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-48	GWC-49R	GWC-49R	GWC-49Z	GWC-49Z	GWA-39R_39RZ	GWA-39R_39RZ
3/10/2016	<0.005						
3/17/2016		<0.005		<0.005			
5/16/2016						<0.003 (D)	
5/17/2016	<0.003						
5/18/2016		<0.003		<0.003			
7/27/2016	0.0002 (J)	<0.003				0.0004 (JD)	
7/28/2016				<0.003			
9/20/2016	0.0002 (J)						
9/21/2016		<0.003		<0.003			
11/4/2016	0.0002 (J)	<0.003					
11/7/2016				<0.003			
1/23/2017	<0.003						
1/24/2017		<0.003		<0.003			
2/21/2017						<0.003	
3/27/2017						<0.003 (D)	
3/28/2017	0.0002 (J)						
3/29/2017		<0.003					
3/30/2017				<0.003			
6/8/2017	0.0002 (J)	<0.003				<0.003 (D)	
6/9/2017				<0.003			
7/17/2017						<0.003 (D)	
7/27/2017						<0.003	
8/9/2017						<0.003	
9/29/2017	0.0002 (J)	<0.003		<0.003		<0.003 (D)	
3/15/2018	0.00025 (J)	<0.003		<0.003			
3/16/2018						<0.003	
9/13/2018	0.00026 (J)	<0.003					
9/14/2018				<0.003		<0.003	
3/14/2019							<0.003
3/18/2019			<0.003				
3/19/2019				<0.003			

Within Limit

Prediction Limit  
Intrawell Non-parametric

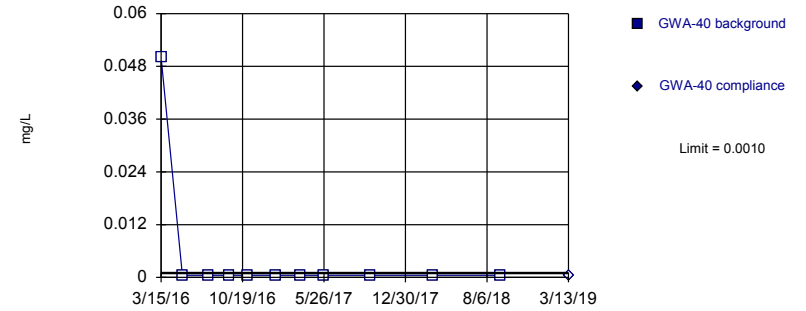


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

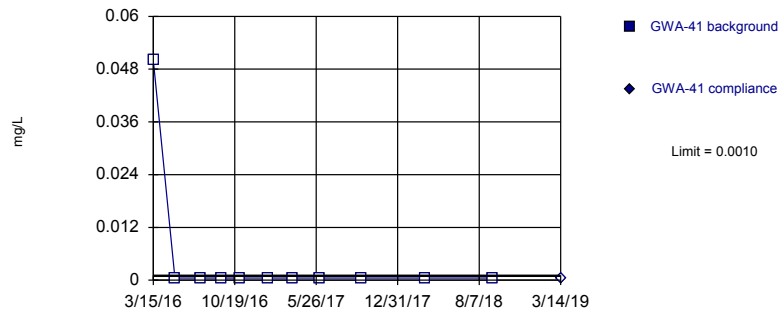


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

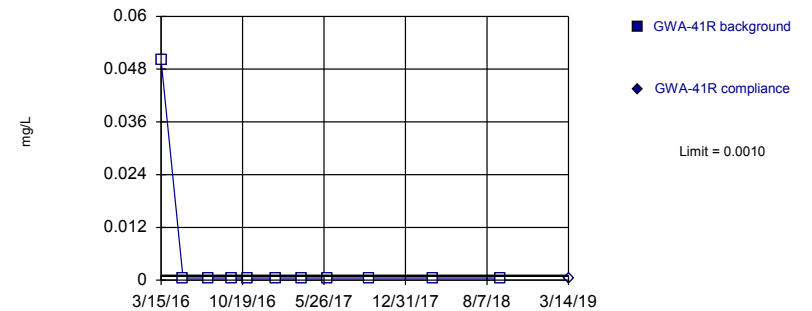


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



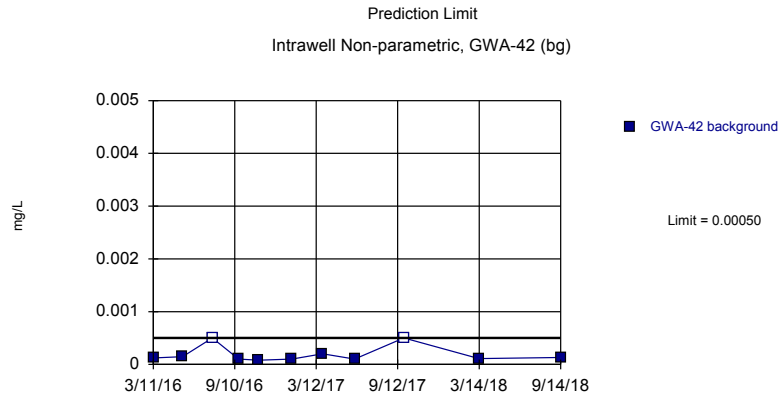
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

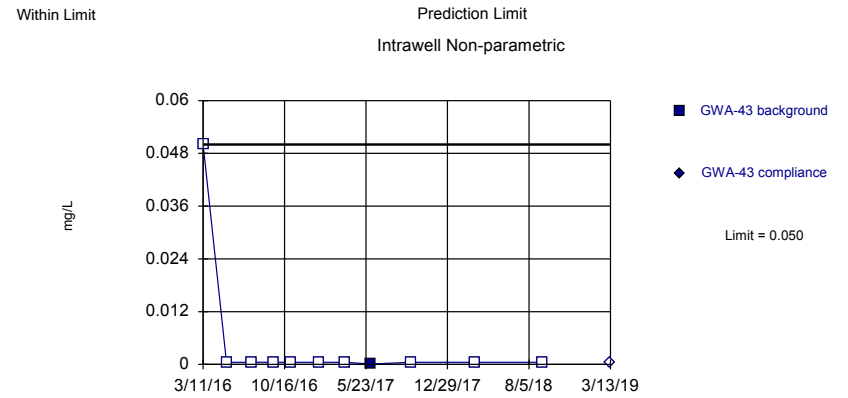
Constituent: Cadmium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-39Z	GWA-39Z	GWA-40	GWA-40	GWA-41	GWA-41	GWA-41R	GWA-41R
3/14/2016	<0.01							
3/15/2016			<0.1		<0.1		<0.1	
5/11/2016	0.000177 (J)		<0.001					
5/12/2016					<0.001			
5/13/2016							<0.001	
7/19/2016	0.0001 (J)							
7/20/2016					<0.001			
7/21/2016			<0.001				<0.001	
9/15/2016	8E-05 (J)		<0.001		<0.001			
9/21/2016							<0.001	
11/2/2016	<0.001							
11/3/2016			<0.001		<0.001		<0.001	
1/17/2017			<0.001				<0.001	
1/18/2017	<0.001				<0.001			
3/24/2017			<0.001		<0.001			
3/27/2017							<0.001	
3/28/2017	<0.001							
5/24/2017			<0.001					
6/6/2017					<0.001		<0.001	
6/7/2017	<0.001							
9/25/2017					<0.001		<0.001	
9/26/2017	<0.001		<0.001					
3/14/2018	<0.001		<0.001		<0.001		<0.001	
9/12/2018	<0.001		<0.001		<0.001		<0.001	
3/13/2019				<0.001				
3/14/2019						<0.001		<0.001
3/15/2019		<0.001						



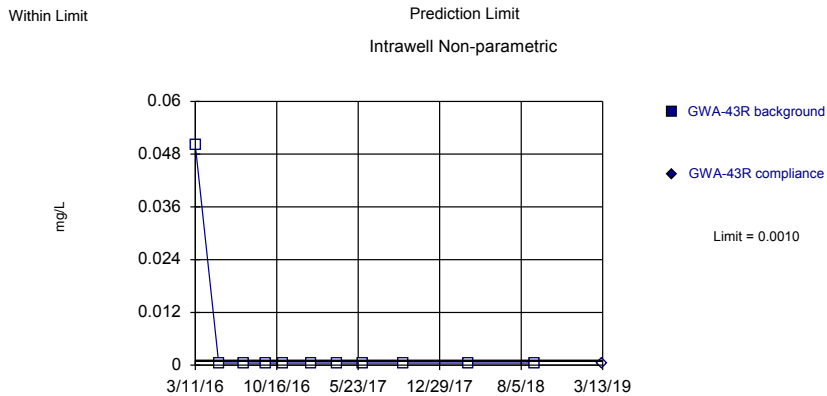
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 18.18% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



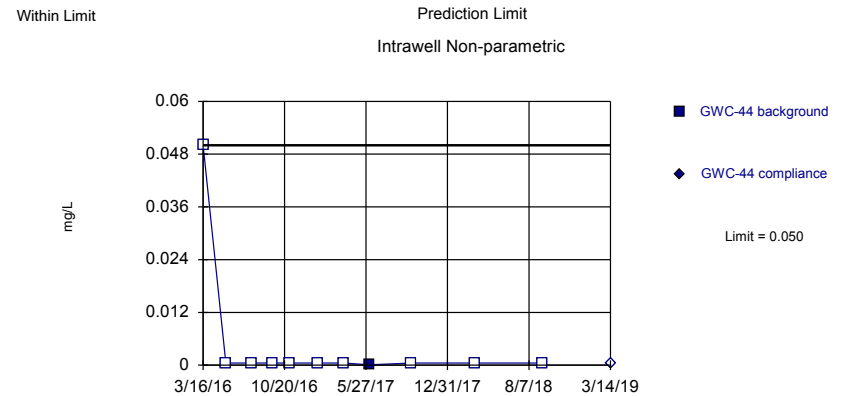
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



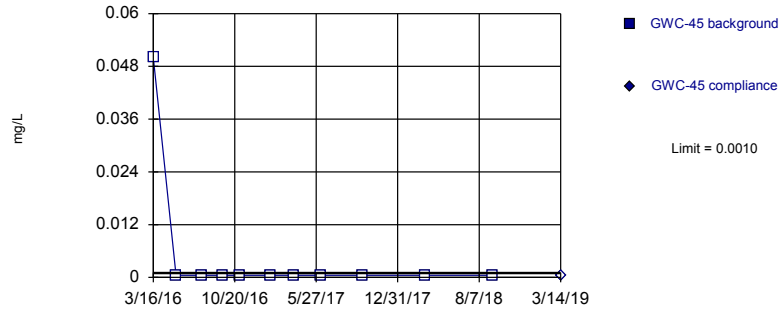
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

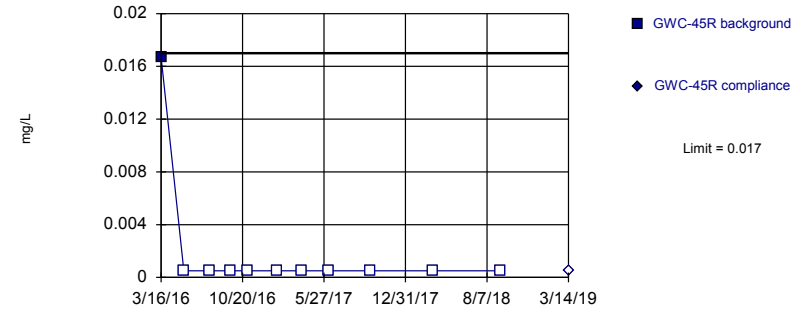


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

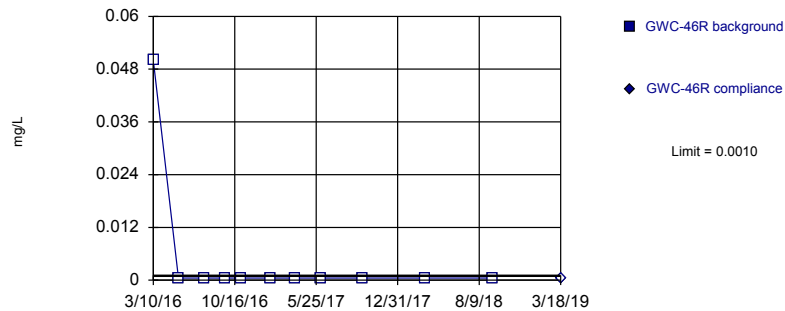


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

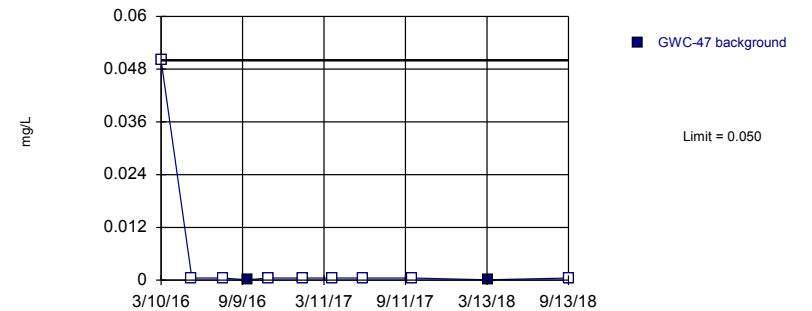


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-47



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

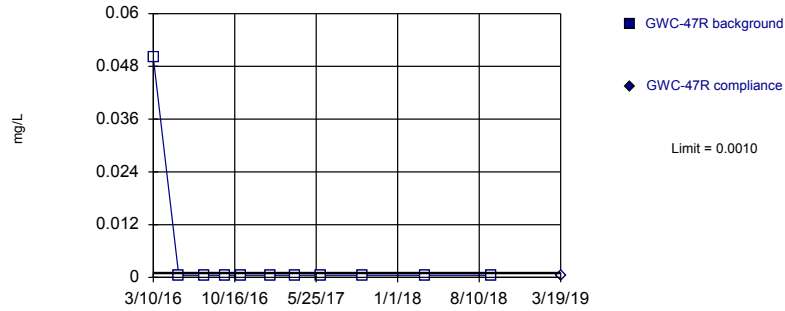
Constituent: Cadmium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-45	GWC-45	GWC-45R	GWC-45R	GWC-46R	GWC-46R	GWC-47
3/10/2016					<0.1		<0.1
3/16/2016	<0.1		0.0167 (J)				
5/16/2016	<0.001		<0.001				
5/17/2016					<0.001		
5/18/2016							<0.001
7/25/2016	<0.001		<0.001				
7/26/2016					<0.001		
7/27/2016							<0.001
9/19/2016	<0.001		<0.001				
9/20/2016					<0.001		8E-05 (J)
11/3/2016			<0.001				
11/4/2016	<0.001				<0.001		
11/7/2016							<0.001
1/20/2017			<0.001		<0.001		
1/23/2017	<0.001						<0.001
3/28/2017					<0.001		
3/29/2017	<0.001		<0.001				<0.001
6/7/2017	<0.001		<0.001		<0.001		
6/8/2017							<0.001
9/27/2017	<0.001		<0.001				<0.001
9/29/2017					<0.001		
3/15/2018	<0.001		<0.001		<0.001		9.3E-05 (J)
9/13/2018	<0.001		<0.001		<0.001		<0.001
3/14/2019		<0.001		<0.001			
3/18/2019						<0.001	



Within Limit

Prediction Limit  
Intrawell Non-parametric

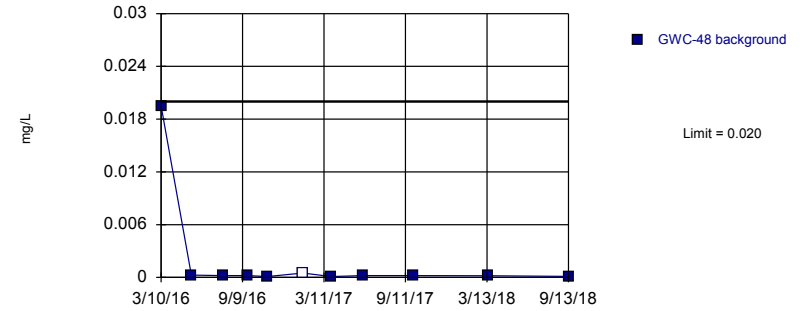


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-48

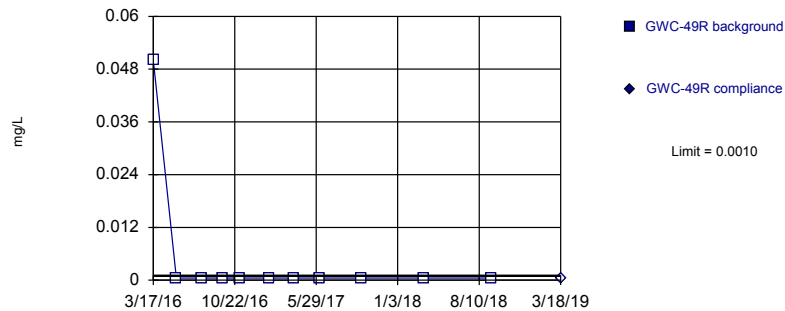


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 9.091% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

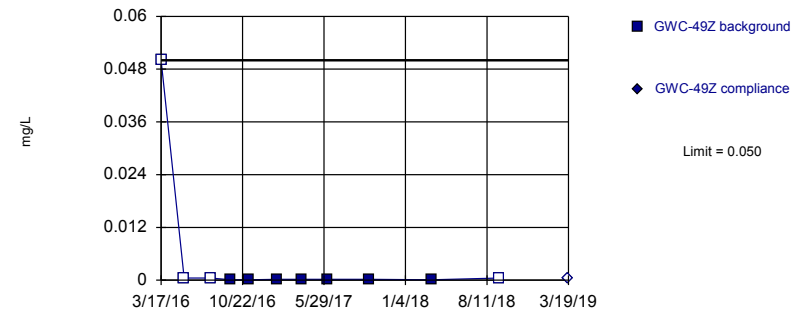


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

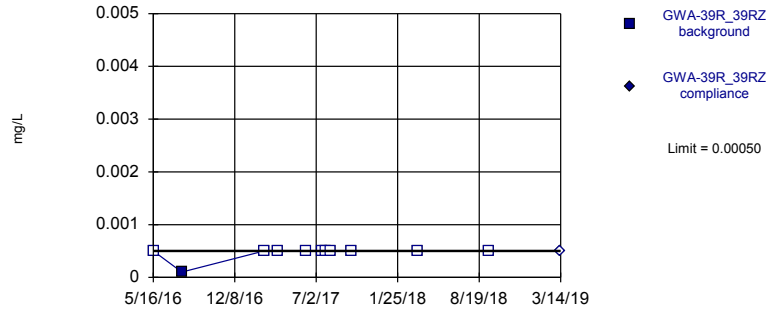
# Prediction Limit

Constituent: Cadmium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-47R	GWC-47R	GWC-48	GWC-49R	GWC-49R	GWC-49Z	GWC-49Z
3/10/2016	<0.1		0.0195 (J)				
3/17/2016				<0.1		<0.1	
5/17/2016			0.000251 (J)				
5/18/2016	<0.001			<0.001		<0.001	
7/27/2016	<0.001		0.0002 (J)	<0.001			
7/28/2016						<0.001	
9/20/2016	<0.001		0.0002 (J)				
9/21/2016				<0.001		9E-05 (J)	
11/4/2016	<0.001		0.0001 (J)	<0.001			
11/7/2016						0.0001 (J)	
1/20/2017	<0.001						
1/23/2017			<0.001				
1/24/2017				<0.001		0.0002 (J)	
3/28/2017			0.0001 (J)				
3/29/2017	<0.001			<0.001			
3/30/2017						0.0002 (J)	
6/8/2017	<0.001		0.0002 (J)	<0.001			
6/9/2017						0.0002 (J)	
9/27/2017	<0.001						
9/29/2017			0.0002 (J)	<0.001		0.0002 (J)	
3/15/2018			0.00018 (J)	<0.001		0.0001 (J)	
3/16/2018	<0.001						
9/13/2018	<0.001		0.00012 (J)	<0.001			
9/14/2018						<0.001	
3/18/2019					<0.001		
3/19/2019		<0.001					<0.001

Within Limit

Prediction Limit  
Intrawell Non-parametric

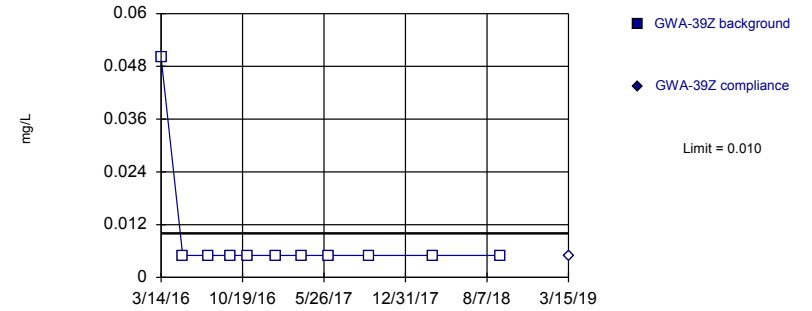


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

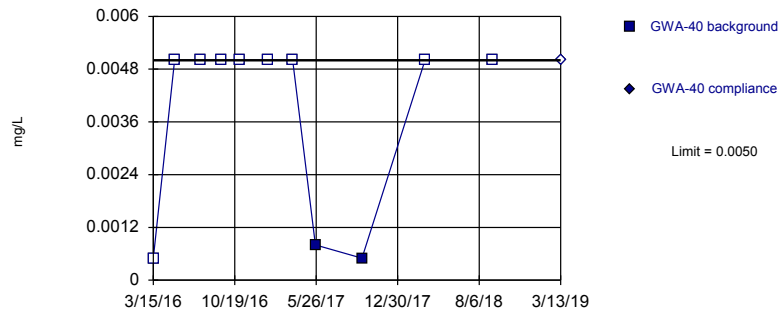


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

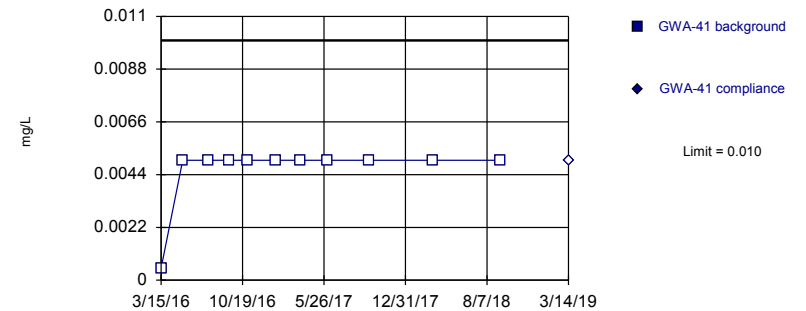


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

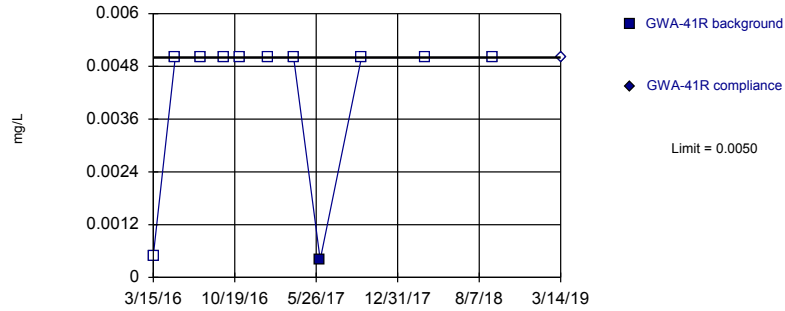
Constituent: Cadmium, Chromium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-39R_39RZ	GWA-39R_39RZ	GWA-39Z	GWA-39Z	GWA-40	GWA-40	GWA-41	GWA-41
3/14/2016			<0.1					
3/15/2016					<0.001		<0.001	
5/11/2016			<0.01		<0.01			
5/12/2016							<0.01	
5/16/2016	<0.001 (D)							
7/19/2016			<0.01					
7/20/2016							<0.01	
7/21/2016					<0.01			
7/27/2016	0.0001 (JD)							
9/15/2016			<0.01		<0.01		<0.01	
11/2/2016			<0.01					
11/3/2016					<0.01		<0.01	
1/17/2017					<0.01			
1/18/2017			<0.01				<0.01	
2/21/2017	<0.001							
3/24/2017					<0.01 (*)		<0.01 (*)	
3/27/2017	<0.001 (D)							
3/28/2017			<0.01 (*)					
5/24/2017					0.0008 (J)			
6/6/2017							<0.01	
6/7/2017			<0.01					
6/8/2017	<0.001 (D)							
7/17/2017	<0.001 (D)							
7/27/2017	<0.001							
8/9/2017	<0.001							
9/25/2017							<0.01	
9/26/2017			<0.01		0.0005 (J)			
9/29/2017	<0.001 (D)							
3/14/2018			<0.01		<0.01		<0.01	
3/16/2018	<0.001							
9/12/2018			<0.01		<0.01		<0.01	
9/14/2018	<0.001							
3/13/2019						<0.01		
3/14/2019		<0.001						<0.01
3/15/2019				<0.01				

Within Limit

Prediction Limit  
Intrawell Non-parametric

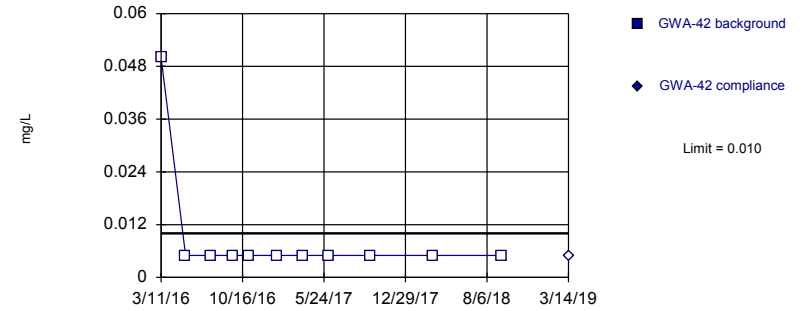


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

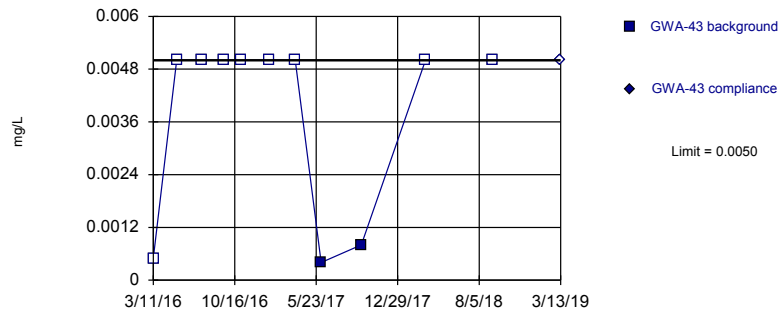


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 8/26/2019 10:18 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

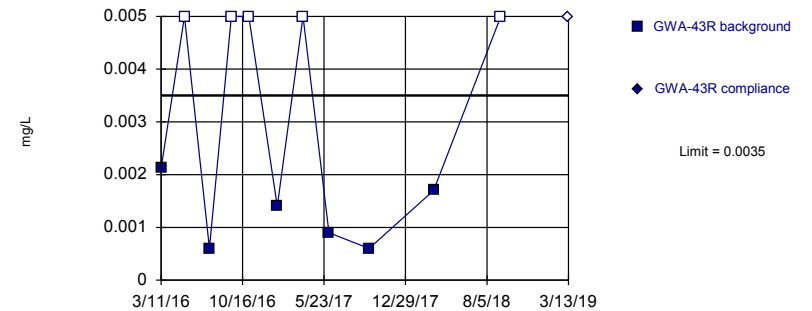


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=0.01852, Std. Dev.=0.01884, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Chromium Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

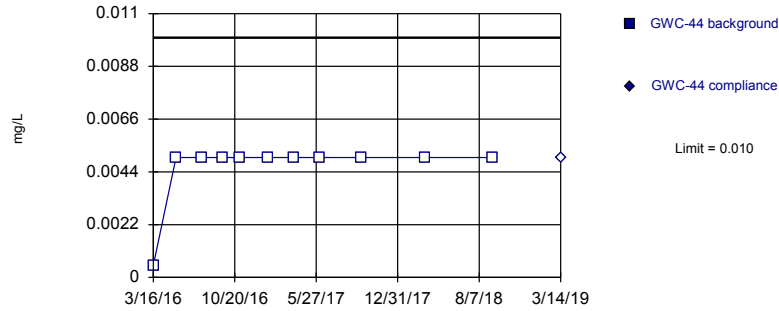
# Prediction Limit

Constituent: Chromium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-41R	GWA-41R	GWA-42	GWA-42	GWA-43	GWA-43	GWA-43R	GWA-43R
3/11/2016			<0.1		<0.001		0.00212 (J)	
3/15/2016	<0.001							
5/13/2016	<0.01				<0.01		<0.01	
5/16/2016			<0.01					
7/19/2016					<0.01		0.0006 (J)	
7/21/2016	<0.01							
7/22/2016			<0.01					
9/16/2016					<0.01		<0.01	
9/19/2016			<0.01					
9/21/2016	<0.01							
11/2/2016					<0.01		<0.01	
11/3/2016	<0.01		<0.01					
1/17/2017	<0.01		<0.01					
1/18/2017					<0.01		0.0014 (J)	
3/27/2017	<0.01		<0.01					
3/28/2017					<0.01 (*)		<0.01 (*)	
6/6/2017	0.0004 (J)				0.0004 (J)		0.0009 (J)	
6/7/2017			<0.01					
9/22/2017					0.0008 (J)		0.0006 (J)	
9/25/2017	<0.01							
9/26/2017			<0.01					
3/14/2018	<0.01		<0.01		<0.01			
3/15/2018							0.0017 (J)	
9/12/2018	<0.01				<0.01		<0.01	
9/14/2018			<0.01					
3/13/2019						<0.01		<0.01
3/14/2019		<0.01		<0.01				

Within Limit

Prediction Limit  
Intrawell Non-parametric

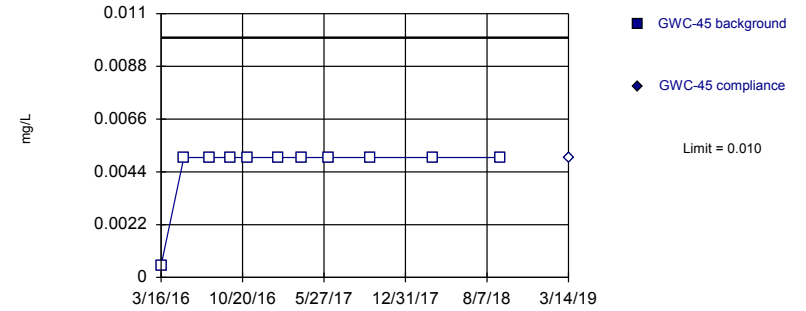


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

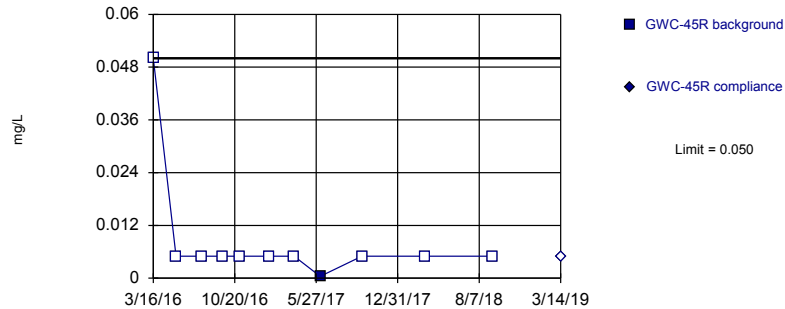


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

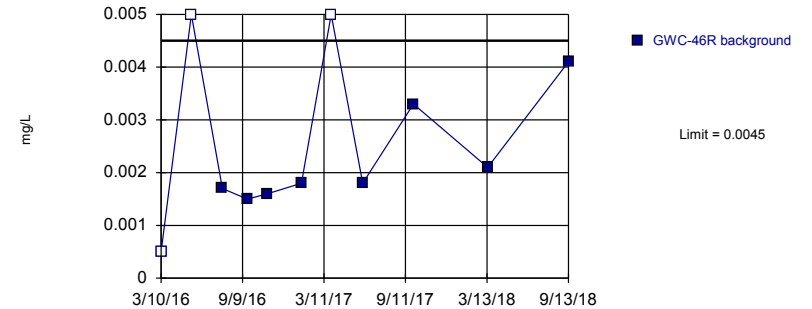


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric, GWC-46R



Background Data Summary (after Aitchison's Adjustment): Mean=0.001627, Std. Dev.=0.00131, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8704, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Chromium Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

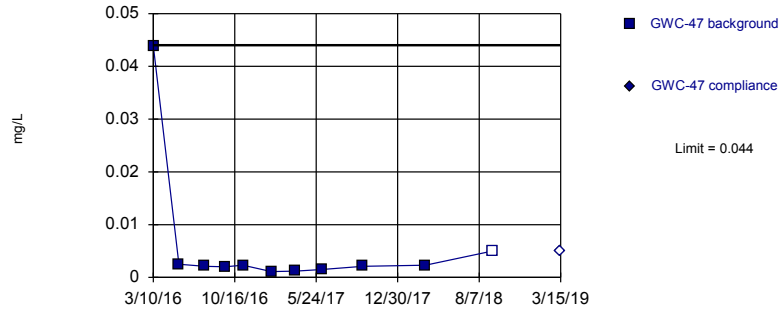
Constituent: Chromium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-44	GWC-44	GWC-45	GWC-45	GWC-45R	GWC-45R	GWC-46R
3/10/2016							<0.001
3/16/2016	<0.001		<0.001		<0.1		
5/16/2016	<0.01		<0.01		<0.01		
5/17/2016							<0.01
7/25/2016	<0.01		<0.01		<0.01		
7/26/2016							0.0017 (J)
9/19/2016	<0.01		<0.01		<0.01		
9/20/2016							0.0015 (J)
11/3/2016	<0.01				<0.01		
11/4/2016			<0.01				0.0016 (J)
1/19/2017	<0.01						
1/20/2017					<0.01		0.0018 (J)
1/23/2017			<0.01				
3/28/2017	<0.01						<0.01 (*)
3/29/2017			<0.01		<0.01		
6/5/2017	<0.01						
6/7/2017			<0.01		0.0004 (J)		0.0018 (J)
9/26/2017	<0.01						
9/27/2017			<0.01		<0.01		
9/29/2017							0.0033 (J)
3/15/2018	<0.01		<0.01		<0.01		0.0021 (J)
9/12/2018	<0.01						
9/13/2018			<0.01		<0.01		0.0041 (J)
3/14/2019		<0.01		<0.01		<0.01	



Within Limit

Prediction Limit  
Intrawell Non-parametric

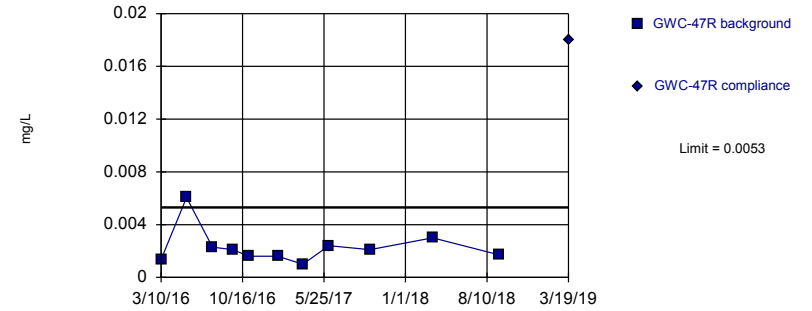


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 9.091% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Exceeds Limit

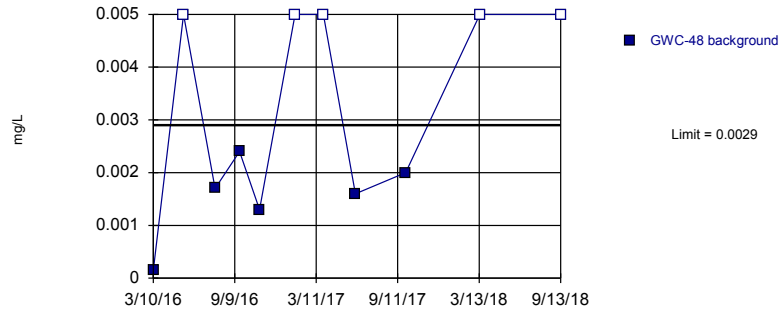
Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.04645, Std. Dev.=0.01219, n=11.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8388, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Chromium Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Parametric, GWC-48

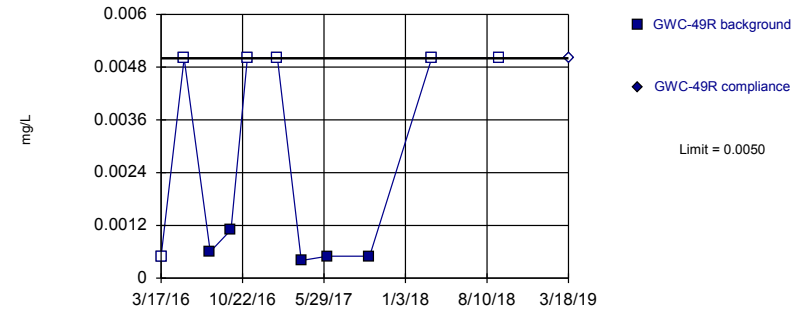


Background Data Summary (after Aitchison's Adjustment): Mean=0.0008316, Std. Dev.=0.0009651, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8097, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Chromium Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

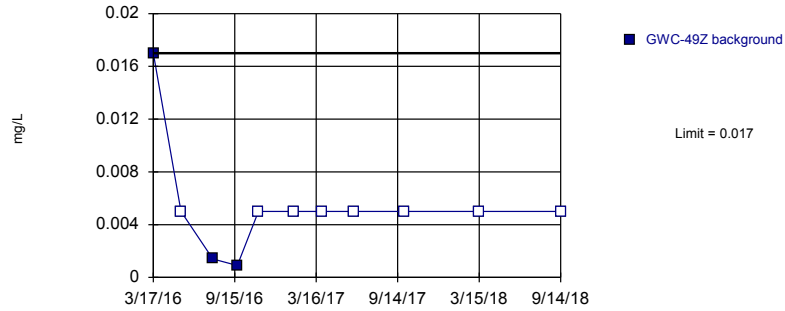
Constituent: Chromium Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

Constituent: Chromium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-47	GWC-47	GWC-47R	GWC-47R	GWC-48	GWC-49R	GWC-49R
3/10/2016	0.0439 (J)		0.00136 (J)		0.000148 (J)		
3/17/2016						<0.001	
5/17/2016					<0.01		
5/18/2016	0.00248 (J)		0.00606 (J)			<0.01	
7/27/2016	0.0021 (J)		0.0023 (J)		0.0017 (J)	0.0006 (J)	
9/20/2016	0.002 (J)		0.0021 (J)		0.0024 (J)		
9/21/2016						0.0011 (J)	
11/4/2016			0.0016 (J)		0.0013 (J)	<0.01	
11/7/2016	0.0023 (J)						
1/20/2017			0.0016 (J)				
1/23/2017	0.0011 (J)				<0.01		
1/24/2017						<0.01	
3/28/2017					<0.01 (*)		
3/29/2017	0.0012 (J)		0.001 (J)			0.0004 (J)	
6/8/2017	0.0015 (J)		0.0024 (J)		0.0016 (J)	0.0005 (J)	
9/27/2017	0.0021 (J)		0.0021 (J)				
9/29/2017					0.002 (J)	0.0005 (J)	
3/15/2018	0.0023 (J)				<0.01	<0.01	
3/16/2018			0.003 (J)				
9/13/2018	<0.01		0.0017 (J)		<0.01	<0.01	
3/15/2019		<0.01					
3/18/2019							<0.01
3/19/2019				0.018			

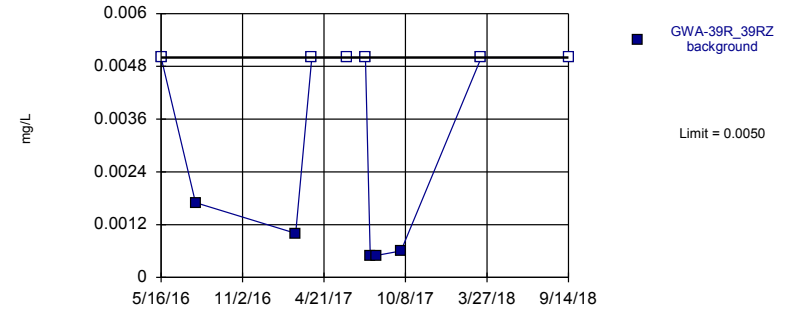
Prediction Limit  
Intrawell Non-parametric, GWC-49Z



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Chromium Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

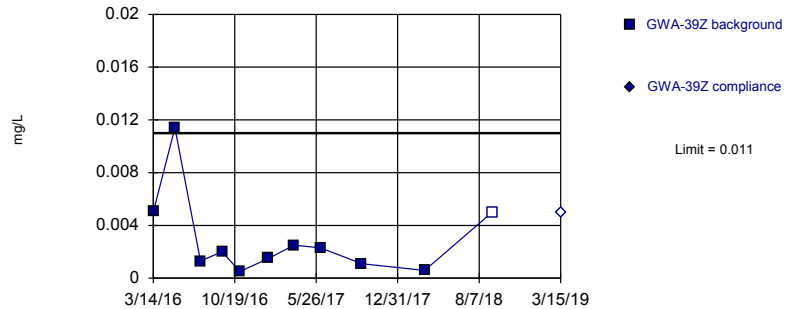
Prediction Limit  
Intrawell Non-parametric, GWA-39R\_39RZ (bg)



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Chromium Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

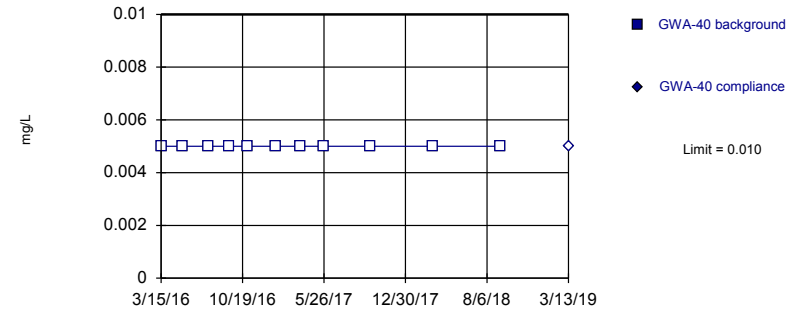
Within Limit  
Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.04959, Std. Dev.=0.02482, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8871, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Cobalt Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

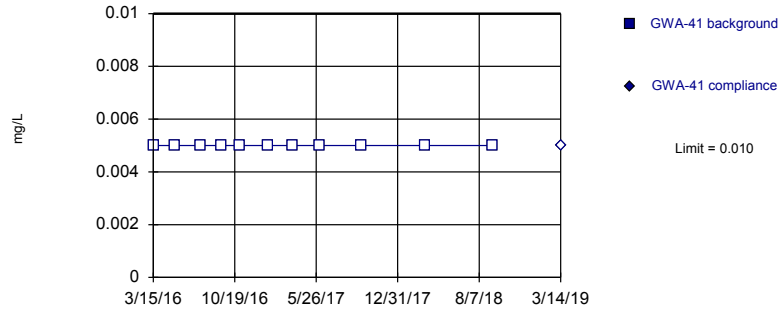
Constituent: Chromium, Cobalt Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-49Z	GWA-39R_39RZ	GWA-39Z	GWA-39Z	GWA-40	GWA-40
3/14/2016			0.00503 (J)			
3/15/2016					<0.01	
3/17/2016	0.017 (J)					
5/11/2016			0.0114		<0.01	
5/16/2016		<0.01 (D)				
5/18/2016	<0.01					
7/19/2016			0.0013 (J)			
7/21/2016					<0.01	
7/27/2016		0.0017 (JD)				
7/28/2016	0.0014 (J)					
9/15/2016			0.002 (J)		<0.01	
9/21/2016	0.0009 (J)					
11/2/2016			0.0005 (J)			
11/3/2016					<0.01	
11/7/2016	<0.01					
1/17/2017					<0.01	
1/18/2017			0.0015 (J)			
1/24/2017	<0.01					
2/21/2017		0.001 (J)				
3/24/2017					<0.01	
3/27/2017		<0.01 (D)				
3/28/2017			0.0025 (J)			
3/30/2017	<0.01					
5/24/2017					<0.01	
6/7/2017			0.0023 (J)			
6/8/2017		<0.01 (D)				
6/9/2017	<0.01					
7/17/2017		<0.01 (D)				
7/27/2017		0.0005 (J)				
8/9/2017		0.0005 (J)				
9/26/2017			0.0011 (J)		<0.01	
9/29/2017	<0.01	0.0006 (JD)				
3/14/2018			0.00058 (J)		<0.01	
3/15/2018	<0.01					
3/16/2018		<0.01				
9/12/2018			<0.01		<0.01	
9/14/2018	<0.01	<0.01				
3/13/2019						<0.01
3/15/2019				<0.01		

Within Limit

Prediction Limit  
Intrawell Non-parametric

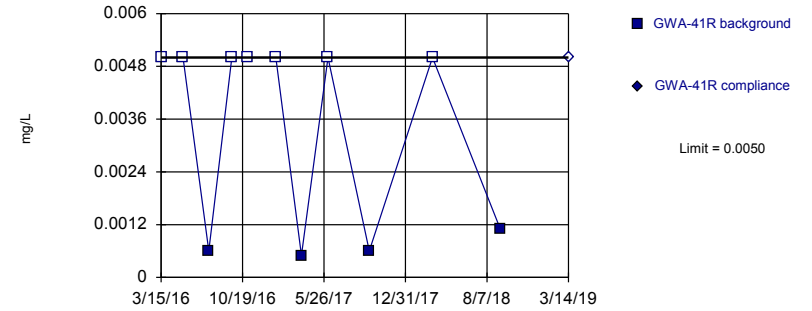


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

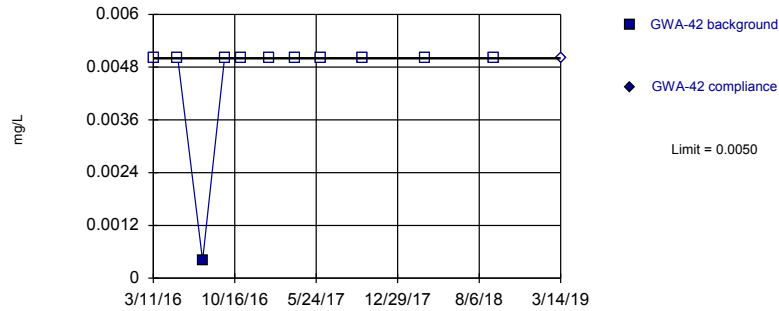


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

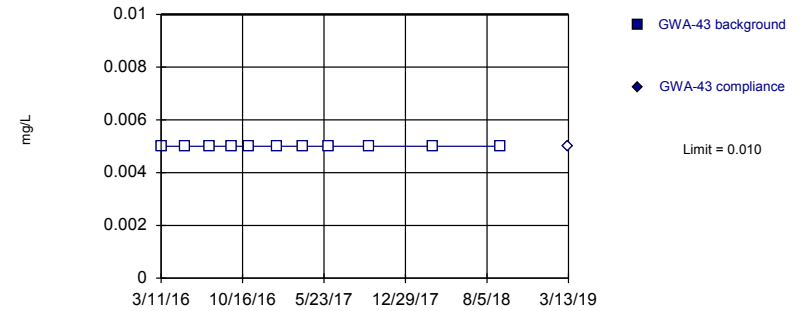


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

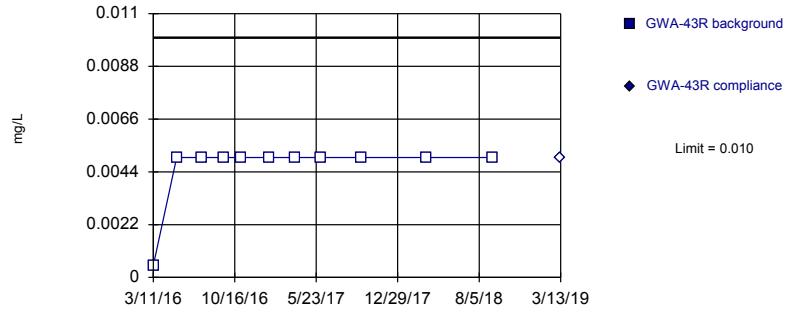
# Prediction Limit

Constituent: Cobalt Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-41	GWA-41	GWA-41R	GWA-41R	GWA-42	GWA-42	GWA-43	GWA-43
3/11/2016					<0.01		<0.01	
3/15/2016	<0.01		<0.01					
5/12/2016	<0.01							
5/13/2016			<0.01				<0.01	
5/16/2016					<0.01			
7/19/2016							<0.01	
7/20/2016	<0.01							
7/21/2016			0.0006 (J)					
7/22/2016					0.0004 (J)			
9/15/2016	<0.01							
9/16/2016							<0.01	
9/19/2016					<0.01			
9/21/2016			<0.01					
11/2/2016							<0.01	
11/3/2016	<0.01		<0.01		<0.01			
1/17/2017			<0.01		<0.01			
1/18/2017	<0.01						<0.01	
3/24/2017	<0.01							
3/27/2017			0.0005 (J)		<0.01			
3/28/2017							<0.01	
6/6/2017	<0.01		<0.01				<0.01	
6/7/2017					<0.01			
9/22/2017							<0.01	
9/25/2017	<0.01		0.0006 (J)					
9/26/2017					<0.01			
3/14/2018	<0.01		<0.01		<0.01		<0.01	
9/12/2018	<0.01		0.0011 (J)				<0.01	
9/14/2018					<0.01			
3/13/2019								<0.01
3/14/2019		<0.01		<0.01		<0.01		

Within Limit

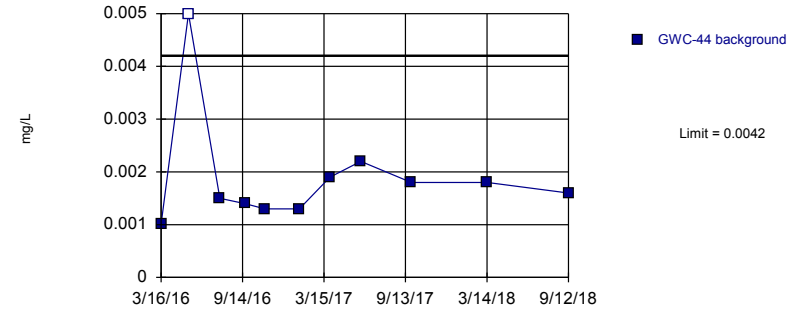
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

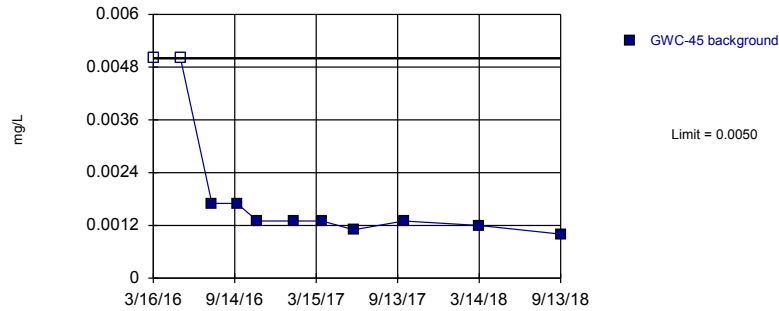
Prediction Limit  
Intrawell Parametric, GWC-44



Background Data Summary (based on natural log transformation): Mean=-6.366, Std. Dev.=0.4147, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8437, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Cobalt Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-45

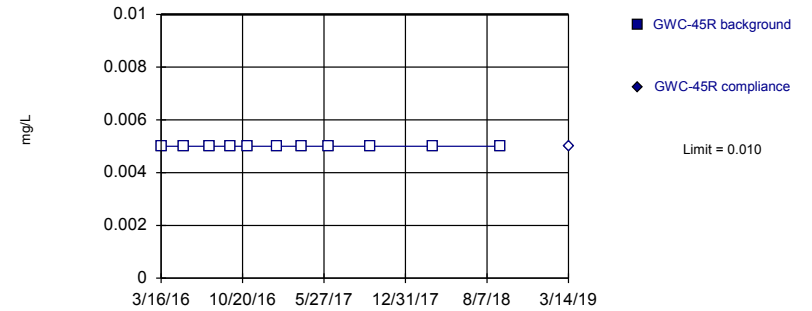


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 18.18% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Cobalt Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

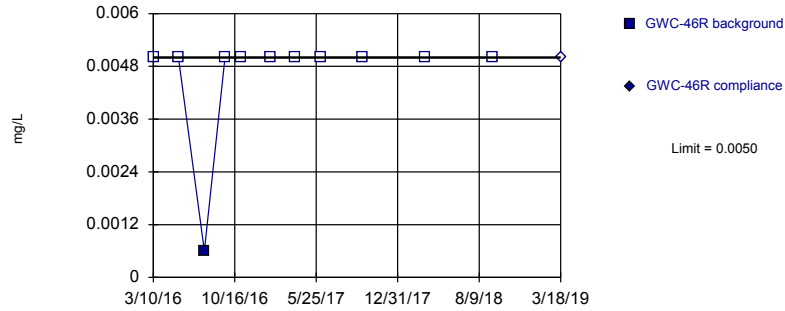
Constituent: Cobalt Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-43R	GWA-43R	GWC-44	GWC-45	GWC-45R	GWC-45R
3/11/2016	<0.001					
3/16/2016			0.00101 (J)	<0.01	<0.01	
5/13/2016	<0.01					
5/16/2016			<0.01	<0.01	<0.01	
7/19/2016	<0.01					
7/25/2016			0.0015 (J)	0.0017 (J)	<0.01	
9/16/2016	<0.01					
9/19/2016			0.0014 (J)	0.0017 (J)	<0.01	
11/2/2016	<0.01					
11/3/2016			0.0013 (J)		<0.01	
11/4/2016				0.0013 (J)		
1/18/2017	<0.01					
1/19/2017			0.0013 (J)			
1/20/2017					<0.01	
1/23/2017				0.0013 (J)		
3/28/2017	<0.01		0.0019 (J)			
3/29/2017				0.0013 (J)	<0.01	
6/5/2017			0.0022 (J)			
6/6/2017	<0.01					
6/7/2017				0.0011 (J)	<0.01	
9/22/2017	<0.01					
9/26/2017			0.0018 (J)			
9/27/2017				0.0013 (J)	<0.01	
3/15/2018	<0.01		0.0018 (J)	0.0012 (J)	<0.01	
9/12/2018	<0.01		0.0016 (J)			
9/13/2018				0.001 (J)	<0.01	
3/13/2019		<0.01				
3/14/2019						<0.01



Within Limit

Prediction Limit  
Intrawell Non-parametric

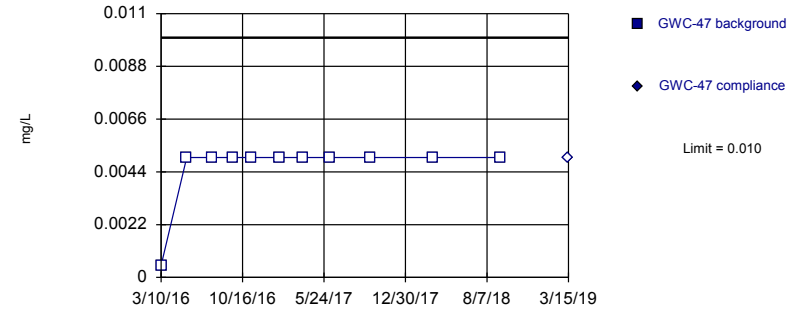


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

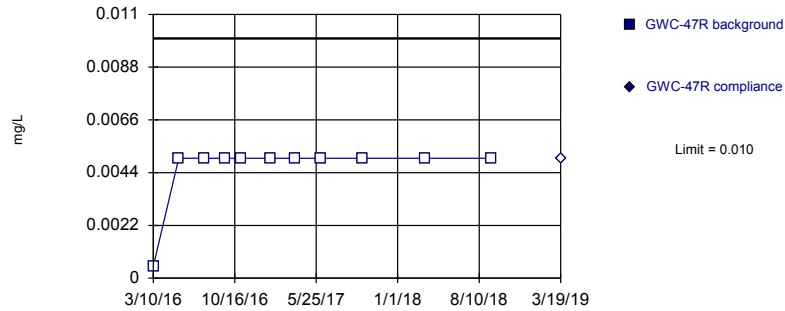


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

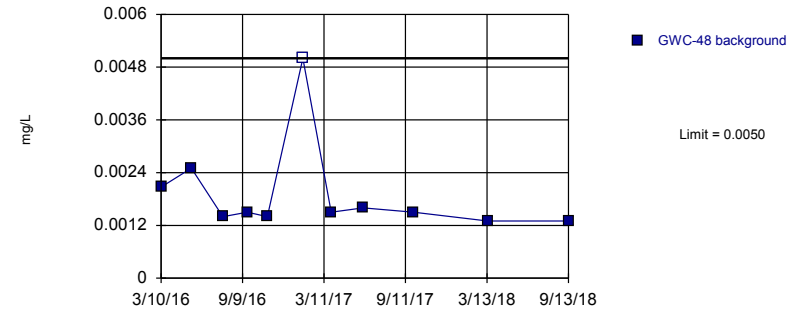


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 8/26/2019 10:19 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-48



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 9.091% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Cobalt Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

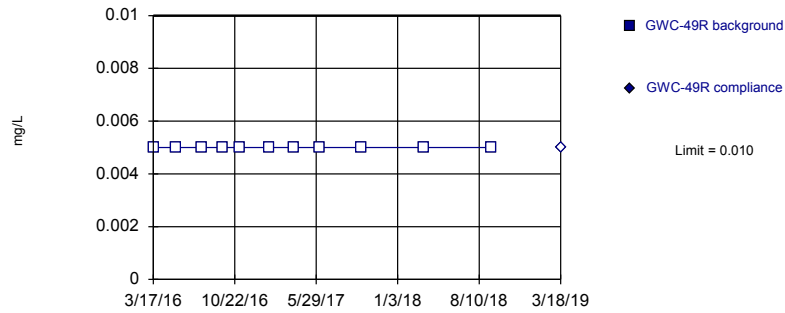
# Prediction Limit

Constituent: Cobalt Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-46R	GWC-46R	GWC-47	GWC-47	GWC-47R	GWC-47R	GWC-48
3/10/2016	<0.01		<0.001		<0.001		0.00207 (J)
5/17/2016	<0.01						0.0025 (J)
5/18/2016			<0.01		<0.01		
7/26/2016	0.0006 (J)						
7/27/2016			<0.01		<0.01		0.0014 (J)
9/20/2016	<0.01		<0.01		<0.01		0.0015 (J)
11/4/2016	<0.01				<0.01		0.0014 (J)
11/7/2016			<0.01				
1/20/2017	<0.01				<0.01		
1/23/2017			<0.01				<0.01
3/28/2017	<0.01						0.0015 (J)
3/29/2017			<0.01		<0.01		
6/7/2017	<0.01						
6/8/2017			<0.01		<0.01		0.0016 (J)
9/27/2017			<0.01		<0.01		
9/29/2017	<0.01						0.0015 (J)
3/15/2018	<0.01		<0.01				0.0013 (J)
3/16/2018					<0.01		
9/13/2018	<0.01		<0.01		<0.01		0.0013 (J)
3/15/2019				<0.01			
3/18/2019		<0.01					
3/19/2019						<0.01	

Within Limit

Prediction Limit  
Intrawell Non-parametric

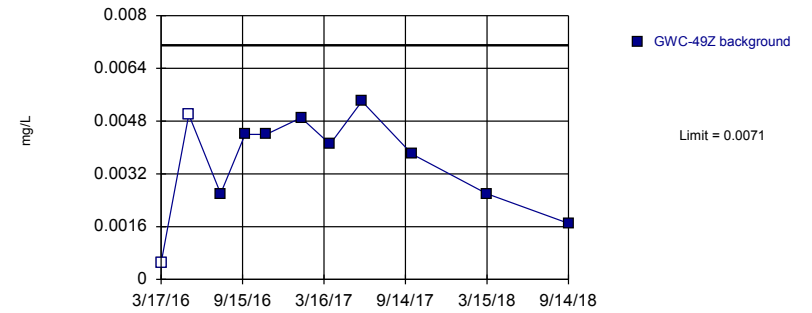


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric, GWC-49Z

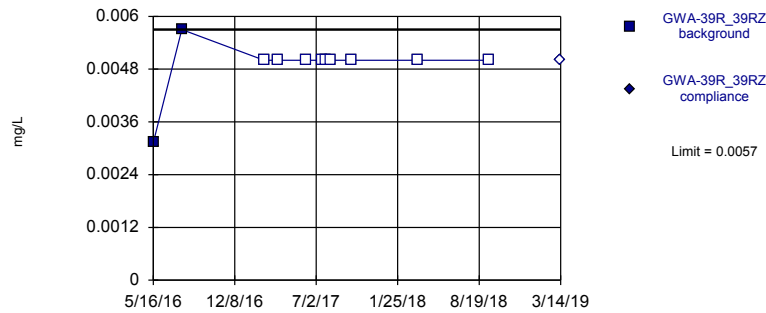


Background Data Summary (after Aitchison's Adjustment): Mean=0.003082, Std. Dev.=0.001873, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9161, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Cobalt Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

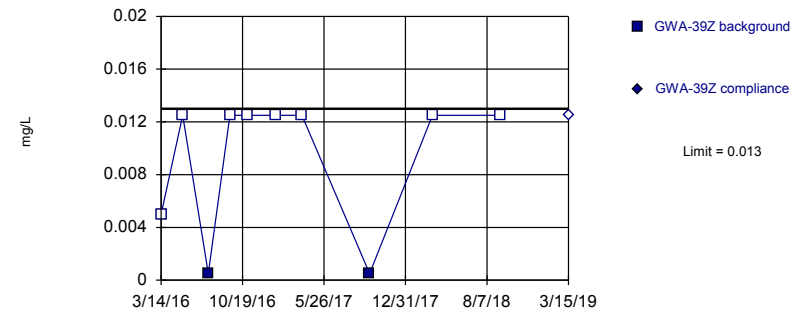


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

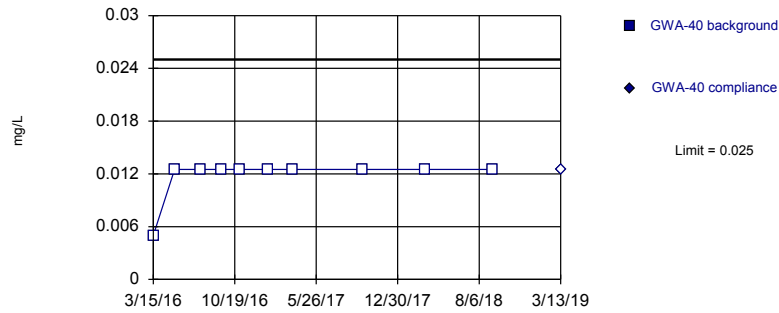
# Prediction Limit

Constituent: Cobalt, Copper Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-49R	GWC-49R	GWC-49Z	GWA-39R_39RZ	GWA-39R_39RZ	GWA-39Z	GWA-39Z
3/14/2016						<0.01	
3/17/2016	<0.01		<0.001				
5/11/2016						<0.025	
5/16/2016				0.00313 (JD)			
5/18/2016	<0.01		<0.01				
7/19/2016						0.0005 (J)	
7/27/2016	<0.01			0.0057 (JD)			
7/28/2016			0.0026 (J)				
9/15/2016						<0.025	
9/21/2016	<0.01		0.0044 (J)				
11/2/2016						<0.025	
11/4/2016	<0.01						
11/7/2016			0.0044 (J)				
1/18/2017						<0.025	
1/24/2017	<0.01		0.0049 (J)				
2/21/2017				<0.01			
3/27/2017				<0.01 (D)			
3/28/2017						<0.025 (*)	
3/29/2017	<0.01						
3/30/2017			0.0041 (J)				
6/8/2017	<0.01			<0.01 (D)			
6/9/2017			0.0054 (J)				
7/17/2017				<0.01 (D)			
7/27/2017				<0.01			
8/9/2017				<0.01			
9/26/2017						0.0005 (J)	
9/29/2017	<0.01		0.0038 (J)	<0.01 (D)			
3/14/2018						<0.025	
3/15/2018	<0.01		0.0026 (J)				
3/16/2018				<0.01			
9/12/2018						<0.025	
9/13/2018	<0.01						
9/14/2018			0.0017 (J)	<0.01			
3/14/2019					<0.01		
3/15/2019							<0.025
3/18/2019		<0.01					

Within Limit

Prediction Limit  
Intrawell Non-parametric

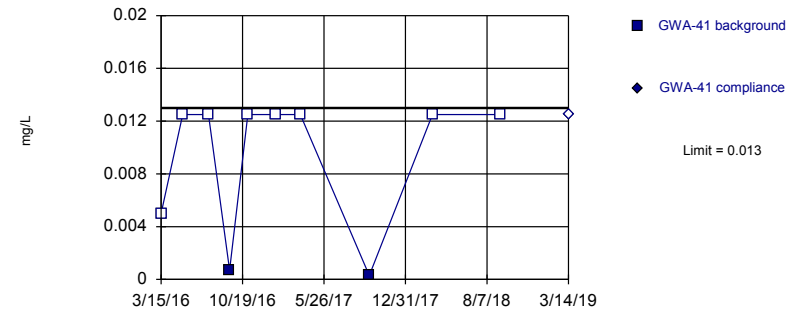


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

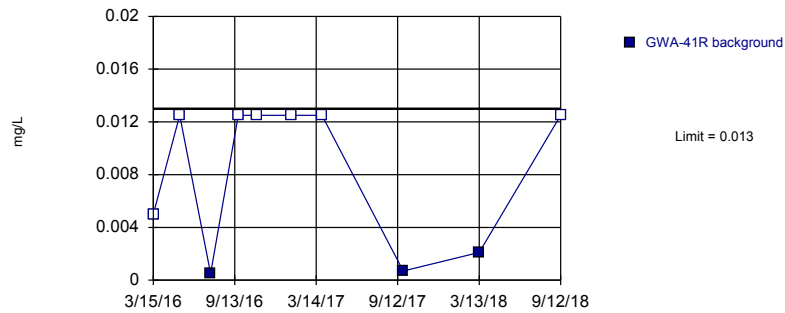


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWA-41R (bg)

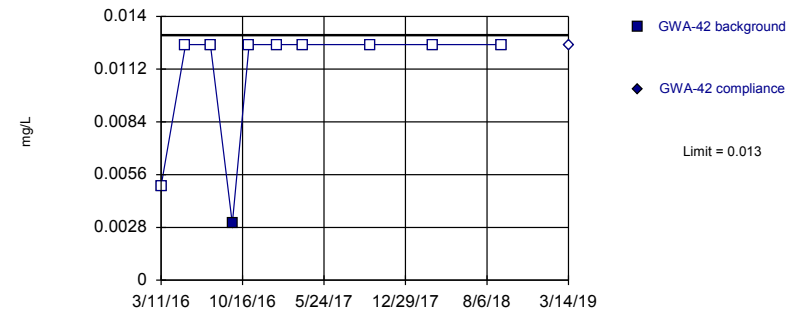


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3). Assumes 1 future value.

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

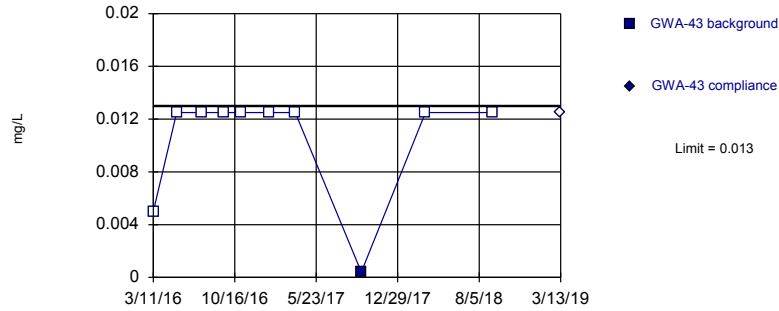
# Prediction Limit

Constituent: Copper Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-40	GWA-40	GWA-41	GWA-41	GWA-41R	GWA-42	GWA-42
3/11/2016						<0.01	
3/15/2016	<0.01		<0.01		<0.01		
5/11/2016	<0.025						
5/12/2016			<0.025				
5/13/2016					<0.025		
5/16/2016						<0.025	
7/20/2016			<0.025				
7/21/2016	<0.025				0.0005 (J)		
7/22/2016						<0.025	
9/15/2016	<0.025		0.0007 (J)				
9/19/2016						0.003 (J)	
9/21/2016					<0.025		
11/3/2016	<0.025		<0.025		<0.025	<0.025	
1/17/2017	<0.025				<0.025	<0.025	
1/18/2017			<0.025				
3/24/2017	<0.025		<0.025				
3/27/2017					<0.025	<0.025	
9/25/2017			0.0003 (J)		0.0007 (J)		
9/26/2017	<0.025					<0.025	
3/14/2018	<0.025		<0.025		0.0021 (J)	<0.025	
9/12/2018	<0.025		<0.025		<0.025		
9/14/2018						<0.025	
3/13/2019		<0.025					
3/14/2019				<0.025			<0.025

Within Limit

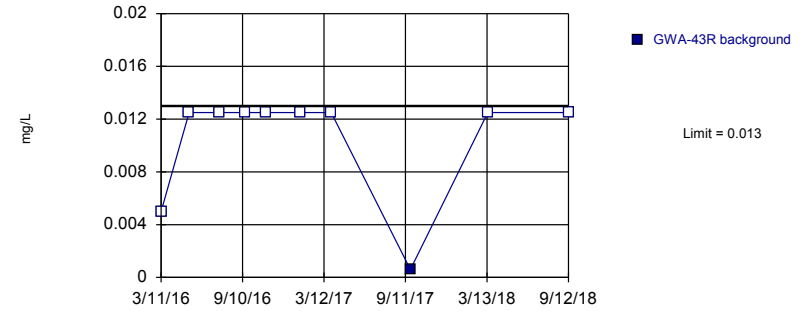
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Non-parametric, GWA-43R (bg)

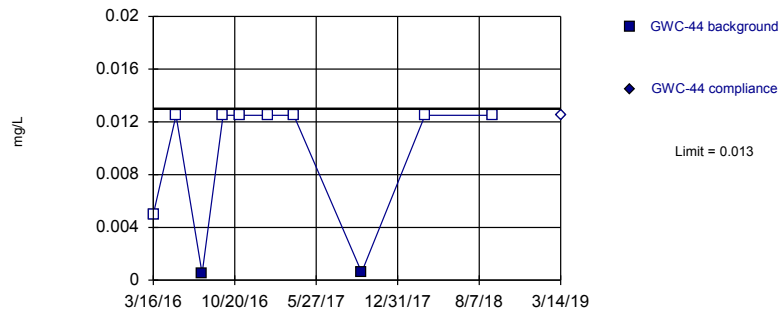


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3). Assumes 1 future value.

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

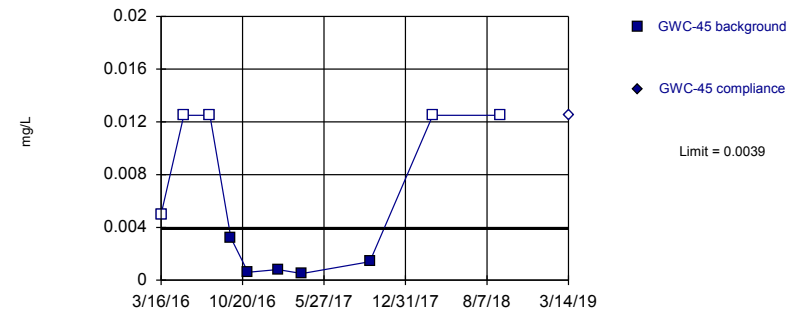


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=0.01691, Std. Dev.=0.02011, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8101, critical = 0.781. Kappa = 2.251 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

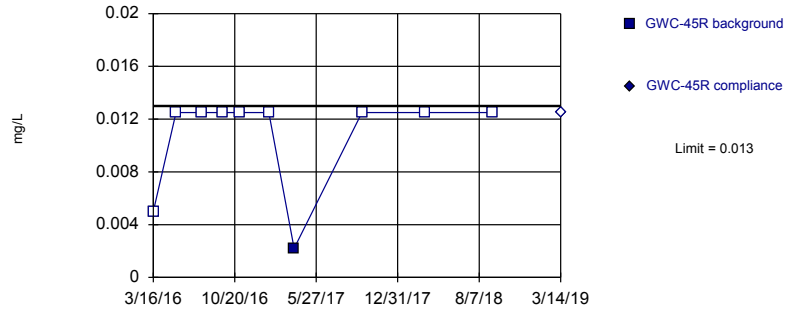
Constituent: Copper Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-43	GWA-43	GWA-43R	GWC-44	GWC-44	GWC-45	GWC-45
3/11/2016	<0.01		<0.01				
3/16/2016				<0.01		<0.01	
5/13/2016	<0.025		<0.025				
5/16/2016				<0.025		<0.025	
7/19/2016	<0.025		<0.025				
7/25/2016				0.0005 (J)		<0.025	
9/16/2016	<0.025		<0.025				
9/19/2016				<0.025		0.0032 (J)	
11/2/2016	<0.025		<0.025				
11/3/2016				<0.025			
11/4/2016						0.0006 (J)	
1/18/2017	<0.025		<0.025				
1/19/2017				<0.025			
1/23/2017						0.0008 (J)	
3/28/2017	<0.025 (*)		<0.025 (*)	<0.025 (*)			
3/29/2017						0.0005 (J)	
9/22/2017	0.0004 (J)		0.0006 (J)				
9/26/2017				0.0006 (J)			
9/27/2017						0.0014 (J)	
3/14/2018	<0.025						
3/15/2018			<0.025	<0.025		<0.025	
9/12/2018	<0.025		<0.025	<0.025			
9/13/2018						<0.025	
3/13/2019		<0.025					
3/14/2019					<0.025		<0.025



Within Limit

Prediction Limit  
Intrawell Non-parametric

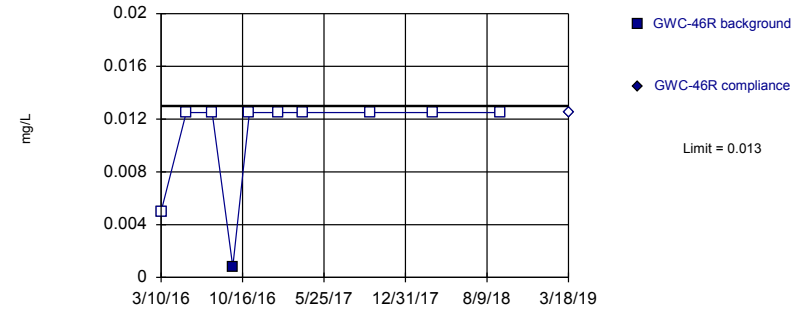


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

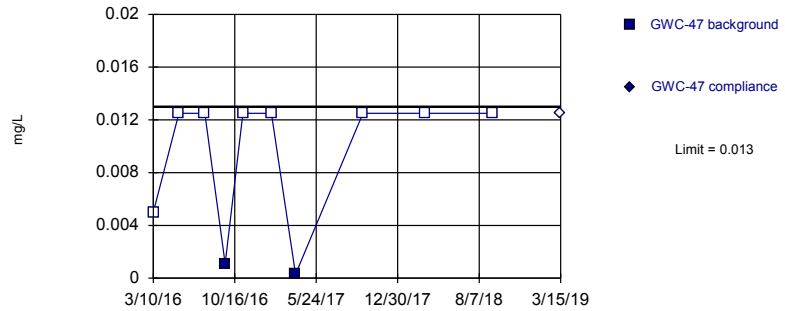


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

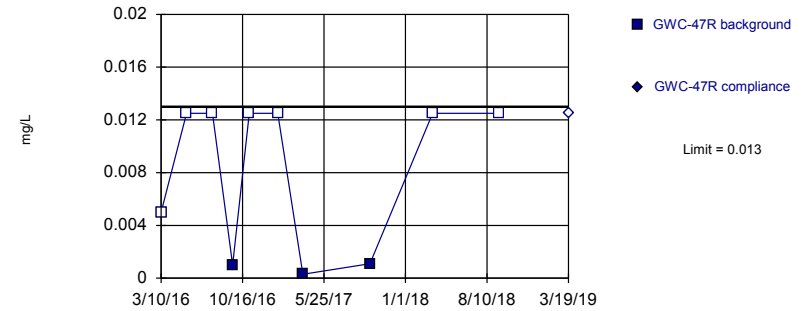


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



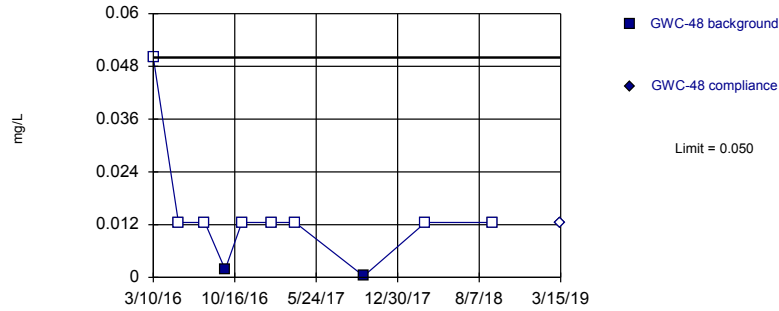
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

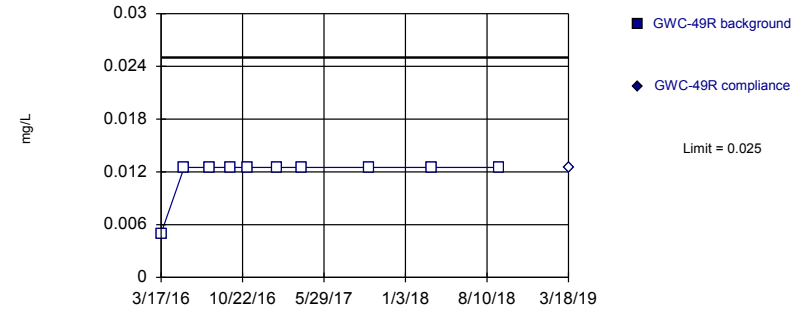


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

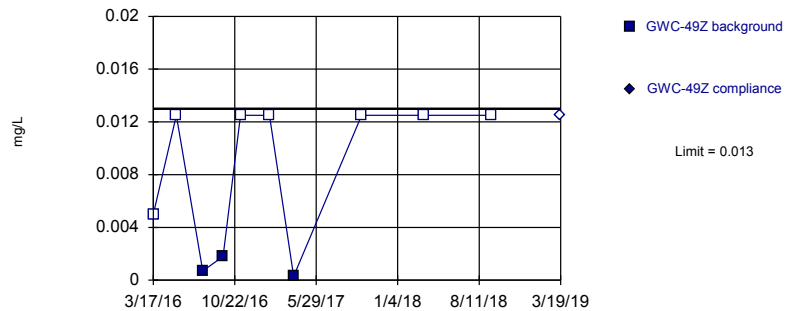


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

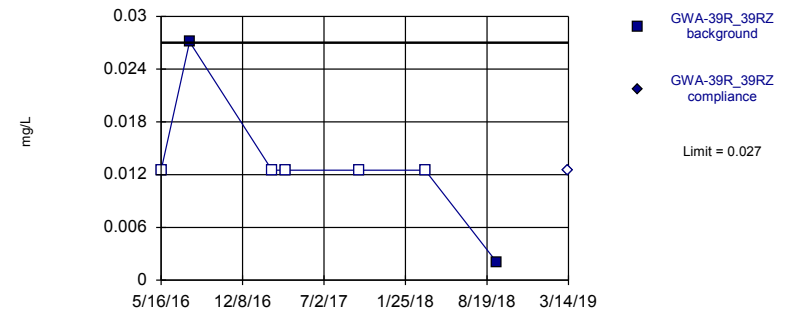


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Constituent: Copper Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

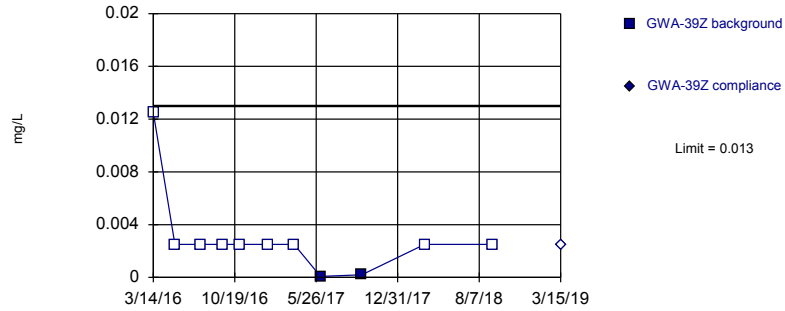
Constituent: Copper Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-48	GWC-48	GWC-49R	GWC-49R	GWC-49Z	GWC-49Z	GWA-39R_39RZ	GWA-39R_39RZ
3/10/2016	<0.1							
3/17/2016			<0.01		<0.01			
5/16/2016							<0.025 (D)	
5/17/2016	<0.025							
5/18/2016			<0.025		<0.025			
7/27/2016	<0.025		<0.025				0.0271 (D)	
7/28/2016					0.0007 (J)			
9/20/2016	0.0018 (J)							
9/21/2016			<0.025		0.0018 (J)			
11/4/2016	<0.025		<0.025					
11/7/2016					<0.025			
1/23/2017	<0.025							
1/24/2017			<0.025		<0.025			
2/21/2017							<0.025	
3/27/2017							<0.025 (D)	
3/28/2017	<0.025 (*)							
3/29/2017			<0.025					
3/30/2017					0.0003 (J)			
9/29/2017	0.0003 (J)		<0.025		<0.025		<0.025 (D)	
3/15/2018	<0.025		<0.025		<0.025			
3/16/2018							<0.025	
9/13/2018	<0.025		<0.025					
9/14/2018					<0.025		0.002 (J)	
3/14/2019								<0.025
3/15/2019		<0.025						
3/18/2019				<0.025				
3/19/2019						<0.025		

Within Limit

Prediction Limit  
Intrawell Non-parametric

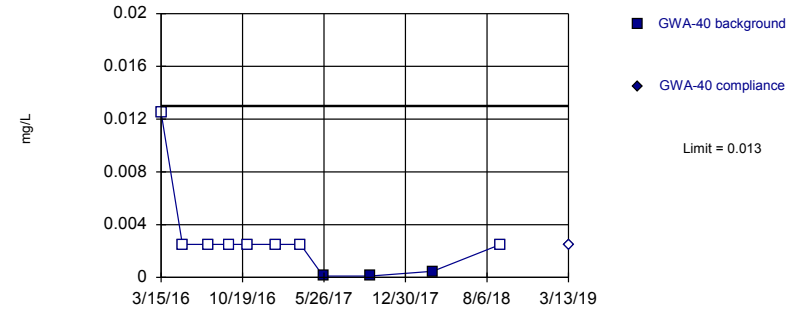


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

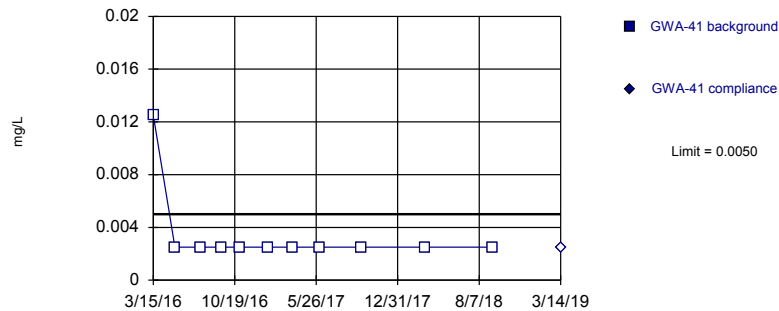


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

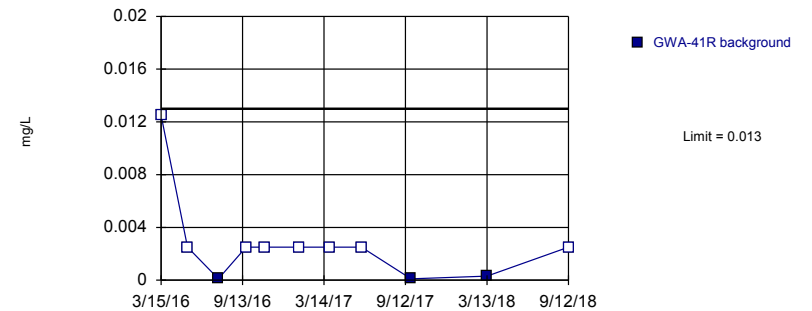


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWA-41R (bg)



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Lead Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

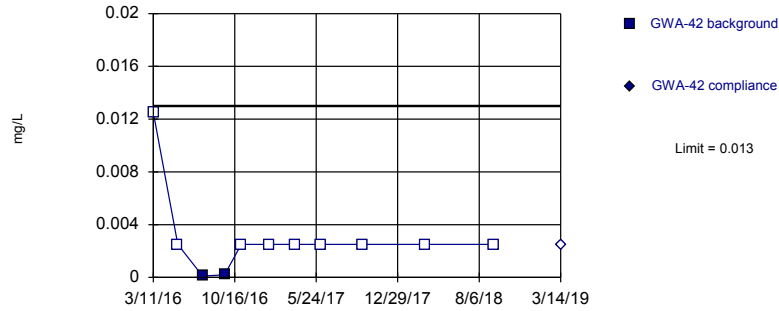
# Prediction Limit

Constituent: Lead Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-39Z	GWA-39Z	GWA-40	GWA-40	GWA-41	GWA-41	GWA-41R
3/14/2016	<0.025						
3/15/2016			<0.025		<0.025		<0.025
5/11/2016	<0.005		<0.005				
5/12/2016					<0.005		
5/13/2016							<0.005
7/19/2016	<0.005						
7/20/2016					<0.005		
7/21/2016			<0.005				0.0001 (J)
9/15/2016	<0.005		<0.005		<0.005		
9/21/2016							<0.005
11/2/2016	<0.005						
11/3/2016			<0.005		<0.005		<0.005
1/17/2017			<0.005				<0.005
1/18/2017	<0.005				<0.005		
3/24/2017			<0.005 (*)		<0.005		
3/27/2017							<0.005
3/28/2017	<0.005 (*)						
5/24/2017			0.0001 (J)				
6/6/2017					<0.005		<0.005
6/7/2017	8E-05 (J)						
9/25/2017					<0.005		0.0001 (J)
9/26/2017	0.0002 (J)		0.0001 (J)				
3/14/2018	<0.005		0.00046 (J)		<0.005		0.00031 (J)
9/12/2018	<0.005		<0.005		<0.005		<0.005
3/13/2019				<0.005			
3/14/2019						<0.005	
3/15/2019		<0.005					

Within Limit

Prediction Limit  
Intrawell Non-parametric

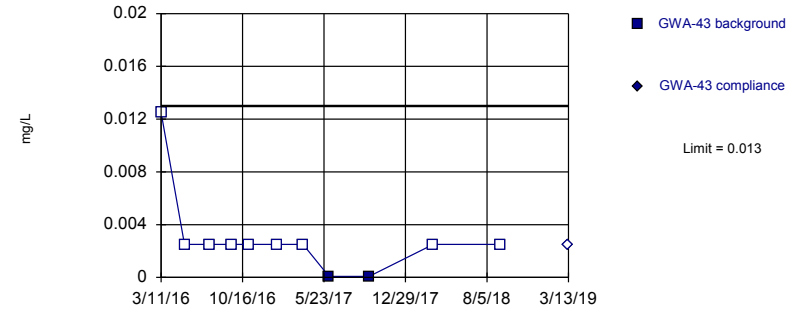


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

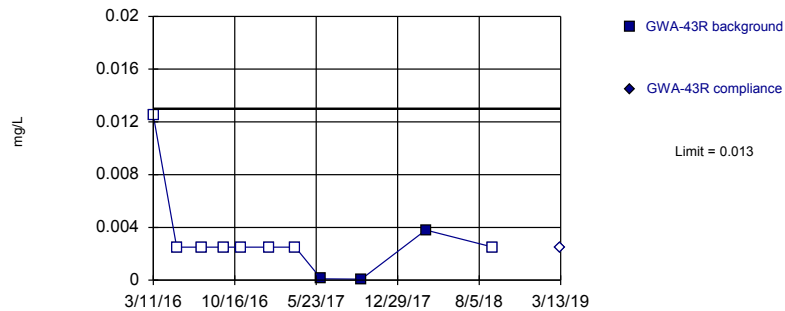


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

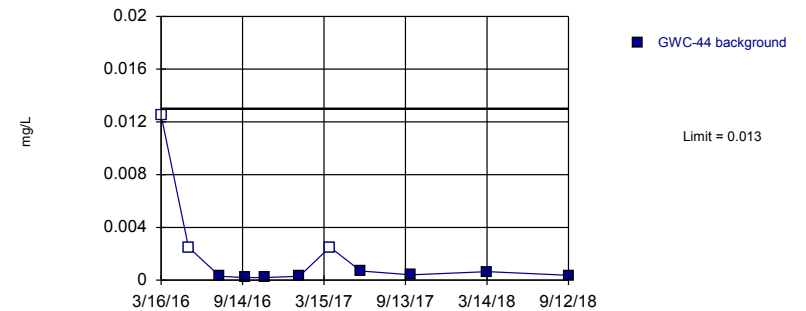


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:20 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-44



Non-parametric test used after natural log transformation resulted in a parametric limit of 9.889, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 11 background values. 27.27% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Lead Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

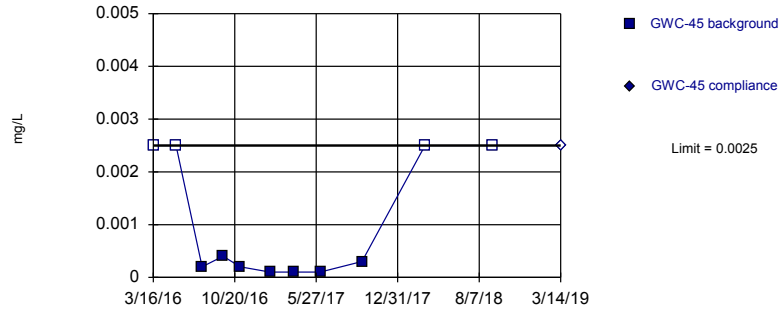
Constituent: Lead Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-42	GWA-42	GWA-43	GWA-43	GWA-43R	GWA-43R	GWC-44
3/11/2016	<0.025		<0.025		<0.025		
3/16/2016							<0.025
5/13/2016			<0.005		<0.005		
5/16/2016	<0.005						<0.005
7/19/2016			<0.005		<0.005		
7/22/2016	0.0001 (J)						
7/25/2016							0.0003 (J)
9/16/2016			<0.005		<0.005		
9/19/2016	0.0002 (J)						0.0002 (J)
11/2/2016			<0.005		<0.005		
11/3/2016	<0.005						0.0002 (J)
1/17/2017	<0.005						
1/18/2017			<0.005		<0.005		
1/19/2017							0.0003 (J)
3/27/2017	<0.005						
3/28/2017			<0.005		<0.005		<0.005 (*)
6/5/2017							0.0007 (J)
6/6/2017			7E-05 (J)		0.0001 (J)		
6/7/2017	<0.005						
9/22/2017			8E-05 (J)		7E-05 (J)		
9/26/2017	<0.005						0.0004 (J)
3/14/2018	<0.005		<0.005				
3/15/2018					0.0038 (J)		0.00064 (J)
9/12/2018			<0.005		<0.005		0.00037 (J)
9/14/2018	<0.005						
3/13/2019				<0.005		<0.005	
3/14/2019		<0.005					



Within Limit

Prediction Limit  
Intrawell Non-parametric

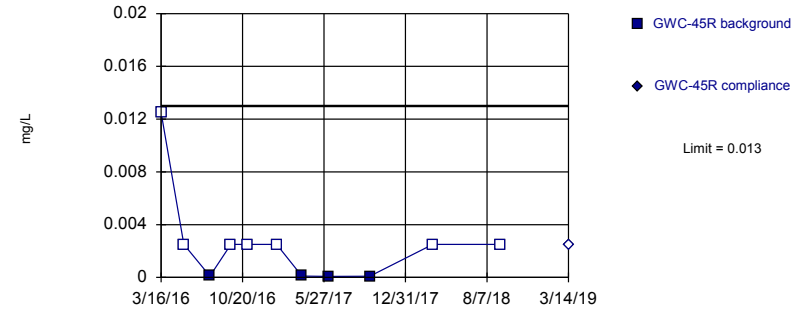


Non-parametric test used after natural log transformation resulted in a parametric limit of 53.63, which exceeds 10 times the highest background value (user-adjustable cutoff). Limit is highest of 11 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

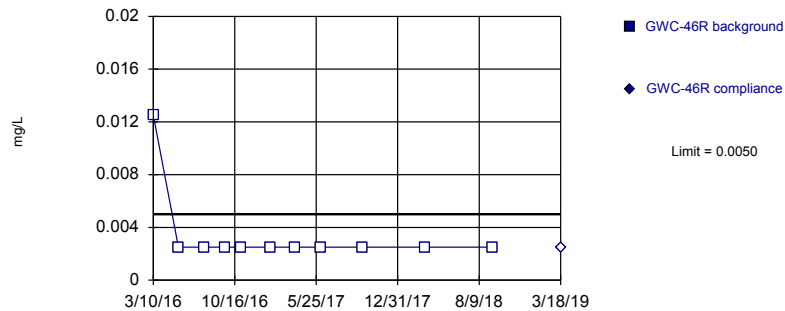


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

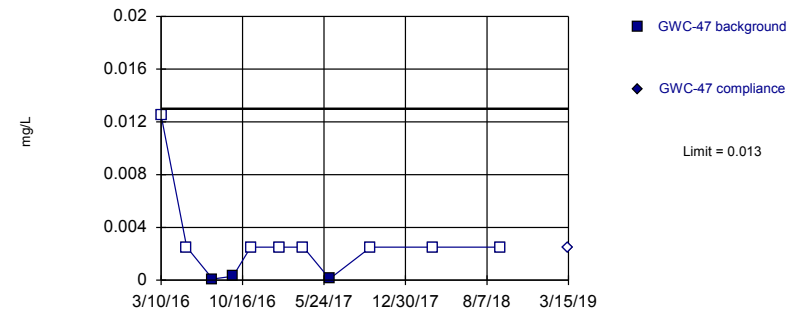


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

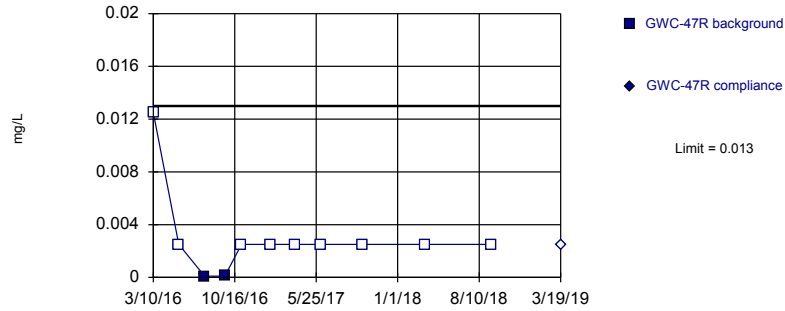
# Prediction Limit

Constituent: Lead Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-45	GWC-45	GWC-45R	GWC-45R	GWC-46R	GWC-46R	GWC-47	GWC-47
3/10/2016					<0.025		<0.025	
3/16/2016	<0.005 (U)		<0.025					
5/16/2016	<0.005		<0.005					
5/17/2016					<0.005			
5/18/2016							<0.005	
7/25/2016	0.0002 (J)		0.0001 (J)					
7/26/2016					<0.005			
7/27/2016							9E-05 (J)	
9/19/2016	0.0004 (J)		<0.005					
9/20/2016					<0.005		0.0003 (J)	
11/3/2016			<0.005					
11/4/2016	0.0002 (J)				<0.005			
11/7/2016							<0.005	
1/20/2017			<0.005		<0.005			
1/23/2017	0.0001 (J)						<0.005	
3/28/2017					<0.005			
3/29/2017	0.0001 (J)		0.0001 (J)				<0.005	
6/7/2017	0.0001 (J)		8E-05 (J)		<0.005			
6/8/2017							0.0001 (J)	
9/27/2017	0.0003 (J)		9E-05 (J)				<0.005	
9/29/2017					<0.005			
3/15/2018	<0.005		<0.005		<0.005		<0.005	
9/13/2018	<0.005		<0.005		<0.005		<0.005	
3/14/2019		<0.005		<0.005				
3/15/2019								<0.005
3/18/2019						<0.005		

Within Limit

Prediction Limit  
Intrawell Non-parametric

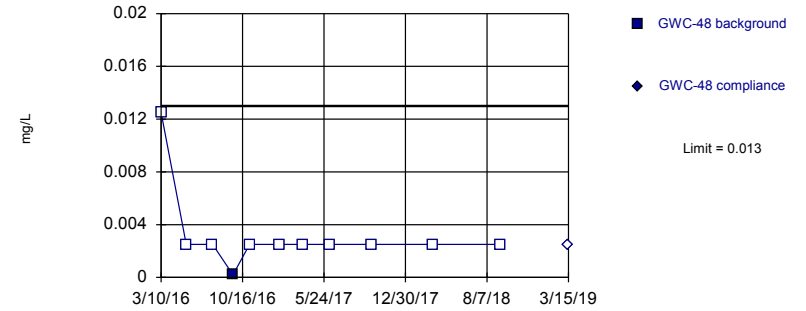


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

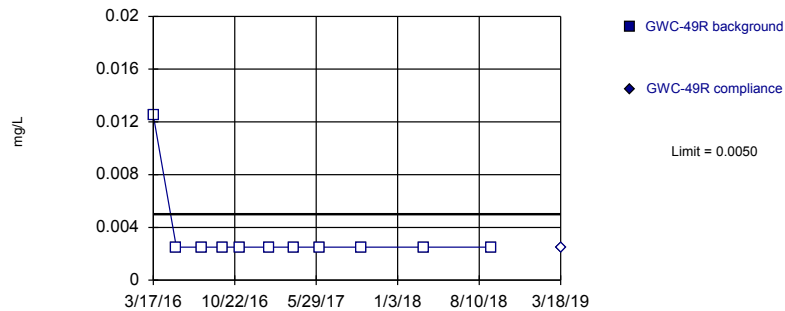


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

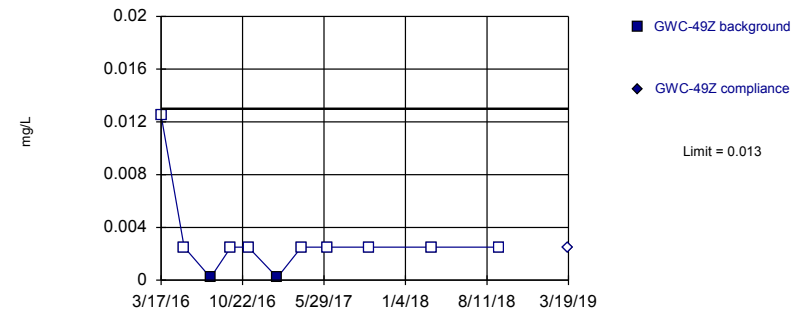


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

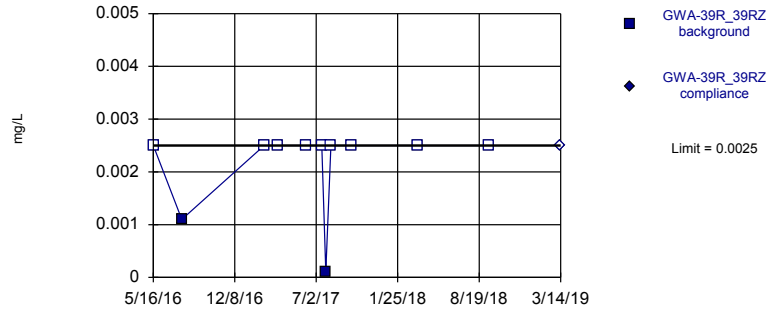
Constituent: Lead Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-47R	GWC-47R	GWC-48	GWC-48	GWC-49R	GWC-49R	GWC-49Z	GWC-49Z
3/10/2016	<0.025		<0.025					
3/17/2016					<0.025		<0.025	
5/17/2016			<0.005					
5/18/2016	<0.005				<0.005		<0.005	
7/27/2016	9E-05 (J)		<0.005		<0.005			
7/28/2016							0.0002 (J)	
9/20/2016	0.0001 (J)		0.0002 (J)					
9/21/2016					<0.005		<0.005 (*)	
11/4/2016	<0.005		<0.005		<0.005			
11/7/2016							<0.005	
1/20/2017	<0.005							
1/23/2017			<0.005					
1/24/2017					<0.005		0.0002 (J)	
3/28/2017			<0.005 (*)					
3/29/2017	<0.005				<0.005			
3/30/2017							<0.005	
6/8/2017	<0.005		<0.005		<0.005			
6/9/2017							<0.005	
9/27/2017	<0.005							
9/29/2017			<0.005		<0.005		<0.005	
3/15/2018			<0.005		<0.005		<0.005	
3/16/2018	<0.005							
9/13/2018	<0.005		<0.005		<0.005			
9/14/2018							<0.005	
3/15/2019				<0.005				
3/18/2019						<0.005		
3/19/2019		<0.005						<0.005

Within Limit

Prediction Limit  
Intrawell Non-parametric

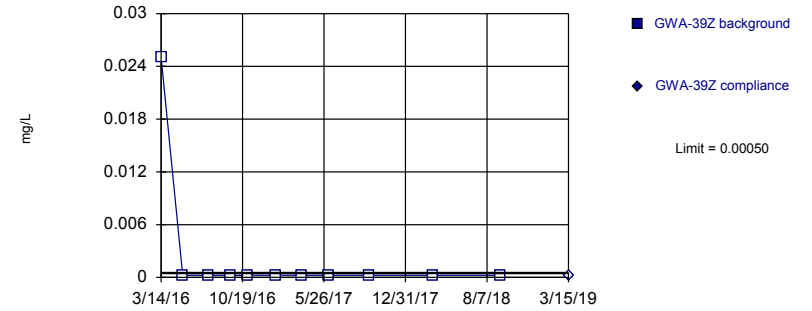


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

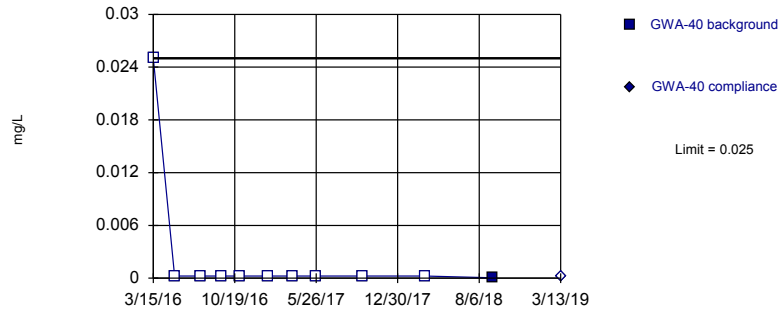


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

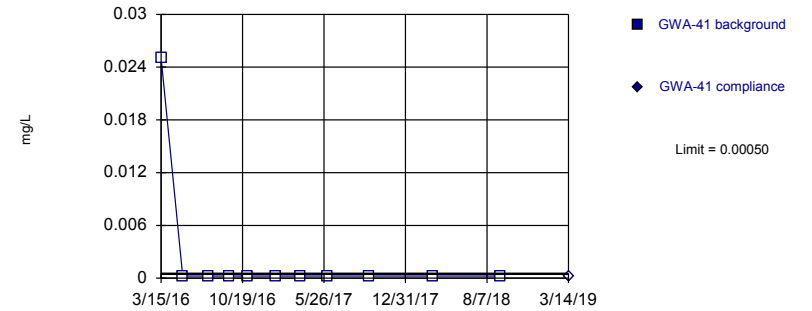


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

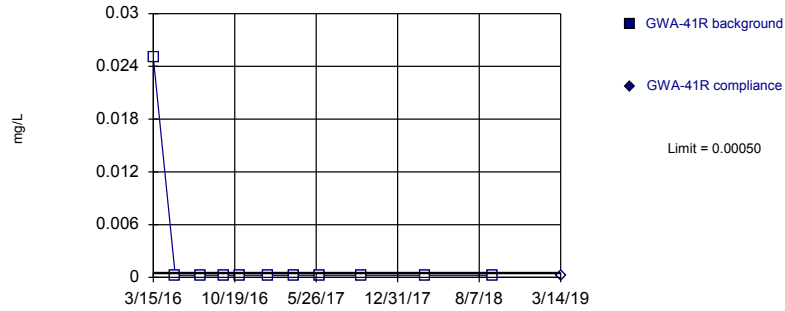
# Prediction Limit

Constituent: Lead, Mercury Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-39R_39RZ	GWA-39R_39RZ	GWA-39Z	GWA-39Z	GWA-40	GWA-40	GWA-41	GWA-41
3/14/2016			<0.05					
3/15/2016					<0.05		<0.05	
5/11/2016			<0.0005		<0.0005			
5/12/2016							<0.0005	
5/16/2016	<0.005 (D)							
7/19/2016			<0.0005					
7/20/2016							<0.0005	
7/21/2016					<0.0005			
7/27/2016	0.0011 (JD)							
9/15/2016			<0.0005		<0.0005		<0.0005	
11/2/2016			<0.0005					
11/3/2016					<0.0005		<0.0005	
1/17/2017					<0.0005			
1/18/2017			<0.0005				<0.0005	
2/21/2017	<0.005							
3/24/2017					<0.0005		<0.0005	
3/27/2017	<0.005 (D)							
3/28/2017			<0.0005					
5/24/2017					<0.0005			
6/6/2017							<0.0005	
6/7/2017			<0.0005					
6/8/2017	<0.005 (D)							
7/17/2017	<0.005 (D)							
7/27/2017	0.0001 (J)							
8/9/2017	<0.005							
9/25/2017							<0.0005	
9/26/2017			<0.0005		<0.0005			
9/29/2017	<0.005 (D)							
3/14/2018			<0.0005		<0.0005		<0.0005	
3/16/2018	<0.005							
9/12/2018			<0.0005		3.8E-05 (J)		<0.0005	
9/14/2018	<0.005							
3/13/2019						<0.0005		
3/14/2019		<0.005						<0.0005
3/15/2019				<0.0005				

Within Limit

Prediction Limit  
Intrawell Non-parametric

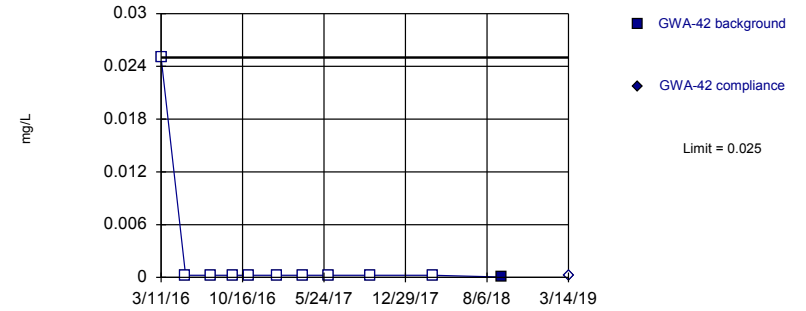


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

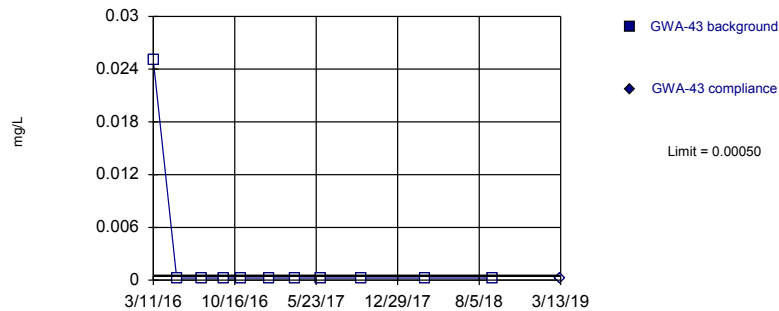


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

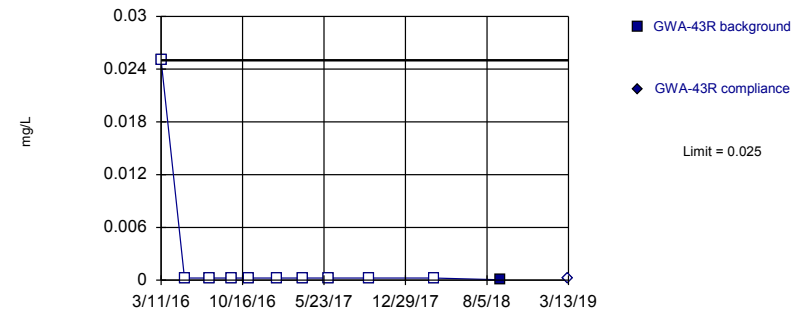


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

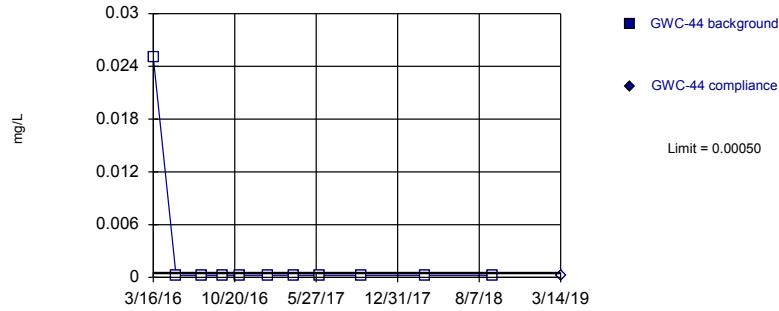
Constituent: Mercury Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-41R	GWA-41R	GWA-42	GWA-42	GWA-43	GWA-43	GWA-43R	GWA-43R
3/11/2016			<0.05		<0.05		<0.05	
3/15/2016	<0.05							
5/13/2016	<0.0005				<0.0005		<0.0005	
5/16/2016			<0.0005					
7/19/2016					<0.0005		<0.0005	
7/21/2016	<0.0005							
7/22/2016			<0.0005					
9/16/2016					<0.0005		<0.0005	
9/19/2016			<0.0005					
9/21/2016	<0.0005							
11/2/2016					<0.0005		<0.0005	
11/3/2016	<0.0005		<0.0005					
1/17/2017	<0.0005		<0.0005					
1/18/2017					<0.0005		<0.0005	
3/27/2017	<0.0005		<0.0005					
3/28/2017					<0.0005		<0.0005	
6/6/2017	<0.0005				<0.0005		<0.0005	
6/7/2017			<0.0005					
9/22/2017					<0.0005		<0.0005	
9/25/2017	<0.0005							
9/26/2017			<0.0005					
3/14/2018	<0.0005		<0.0005		<0.0005			
3/15/2018							<0.0005	
9/12/2018	<0.0005				<0.0005		3.9E-05 (J)	
9/14/2018			3.8E-05 (J)					
3/13/2019						<0.0005		<0.0005
3/14/2019		<0.0005		<0.0005				



Within Limit

Prediction Limit  
Intrawell Non-parametric

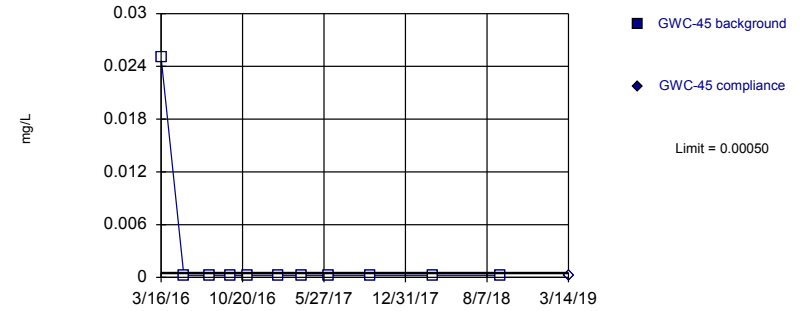


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

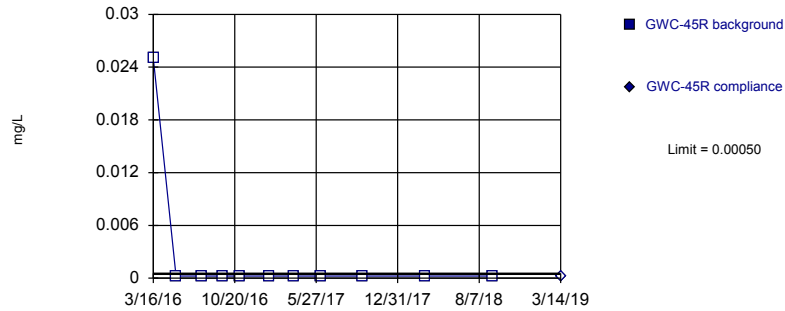


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

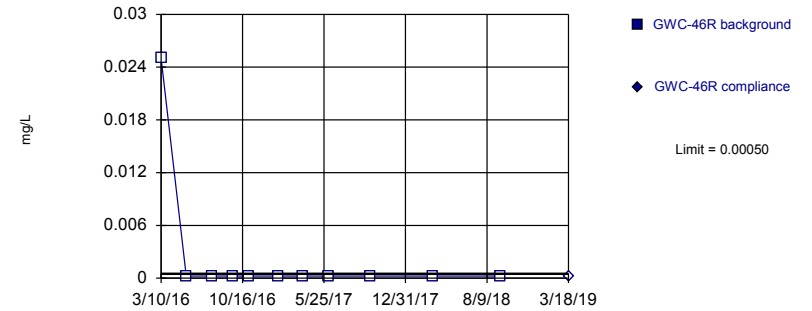


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



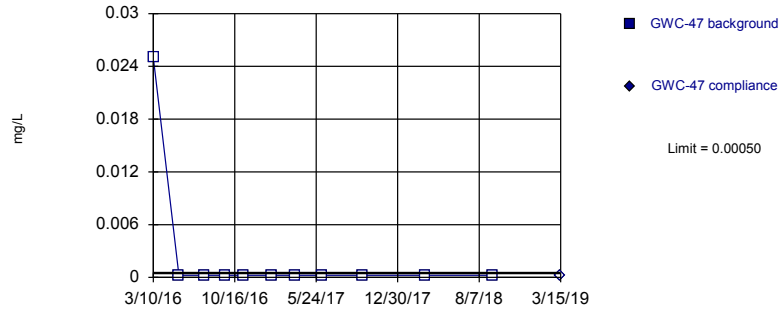
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

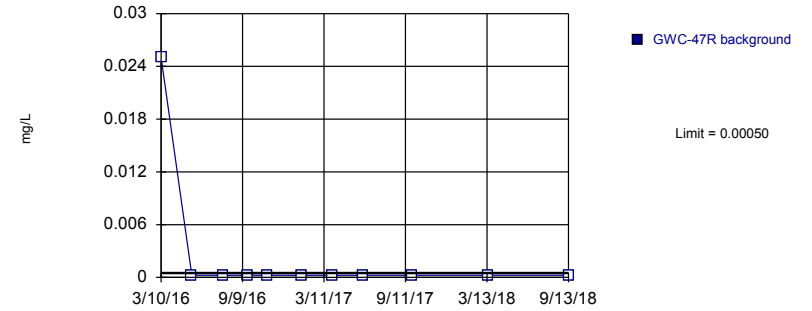


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWC-47R

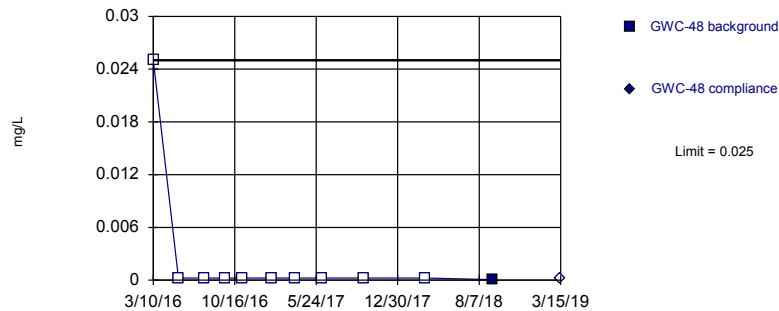


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

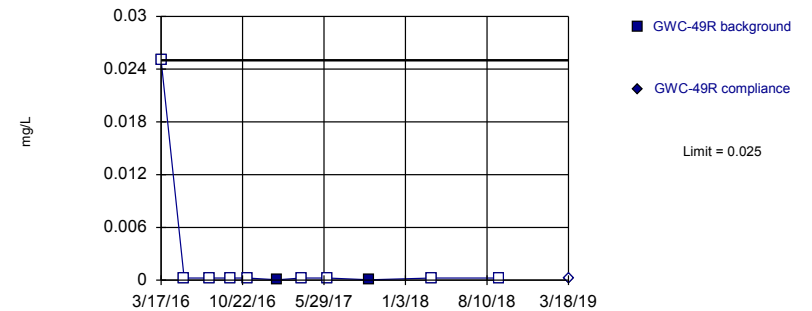


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

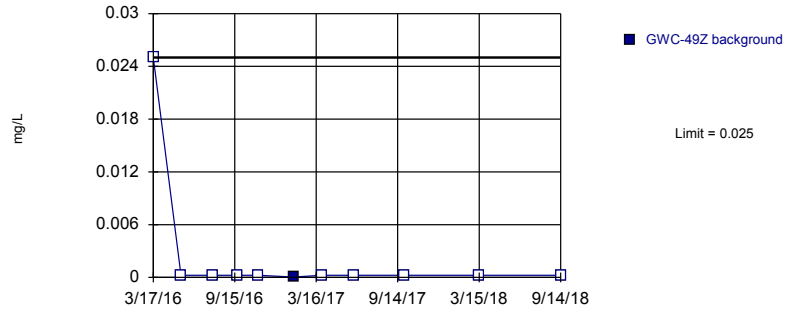


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



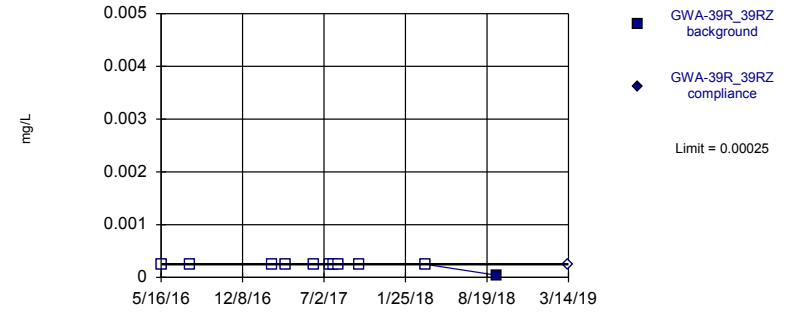
Prediction Limit  
Intrawell Non-parametric, GWC-49Z



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3). Assumes 1 future value.

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

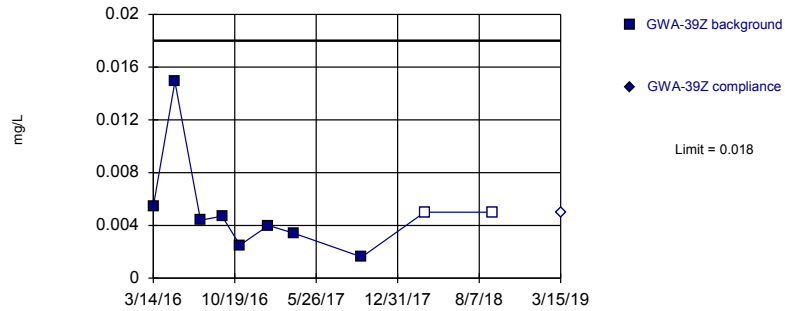
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

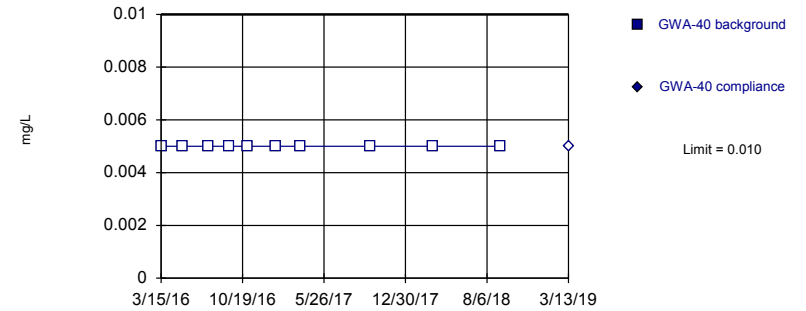
Within Limit  
Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=0.05423, Std. Dev.=0.0358, n=10, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8174, critical = 0.781. Kappa = 2.251 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Nickel Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 8/26/2019 10:21 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

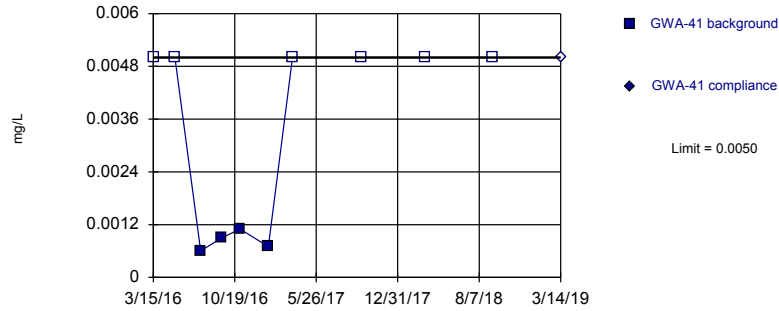
# Prediction Limit

Constituent: Mercury, Nickel Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-49Z	GWA-39R_39RZ	GWA-39R_39RZ	GWA-39Z	GWA-39Z	GWA-40	GWA-40
3/14/2016				0.00544 (J)			
3/15/2016						<0.01	
3/17/2016	<0.05						
5/11/2016				0.0149		<0.01	
5/16/2016		<0.0005 (D)					
5/18/2016	<0.0005						
7/19/2016				0.0044 (J)			
7/21/2016						<0.01	
7/27/2016		<0.0005 (D)					
7/28/2016	<0.0005						
9/15/2016				0.0047 (J)		<0.01	
9/21/2016	<0.0005						
11/2/2016				0.0025 (J)			
11/3/2016						<0.01	
11/7/2016	<0.0005						
1/17/2017						<0.01	
1/18/2017				0.004 (J)			
1/24/2017	5E-05 (J)						
2/21/2017		<0.0005					
3/24/2017						<0.01 (*)	
3/27/2017		<0.0005 (D)					
3/28/2017				0.0034 (J)			
3/30/2017	<0.0005 (*)						
6/8/2017		<0.0005 (D)					
6/9/2017	<0.0005						
7/17/2017		<0.0005 (D)					
7/27/2017		<0.0005					
8/9/2017		<0.0005					
9/26/2017				0.0016 (J)		<0.01	
9/29/2017	<0.0005	<0.0005 (D)					
3/14/2018				<0.01		<0.01	
3/15/2018	<0.0005						
3/16/2018		<0.0005					
9/12/2018				<0.01		<0.01	
9/14/2018	<0.0005	4.1E-05 (J)					
3/13/2019							<0.01
3/14/2019			<0.0005				
3/15/2019				<0.01			

Within Limit

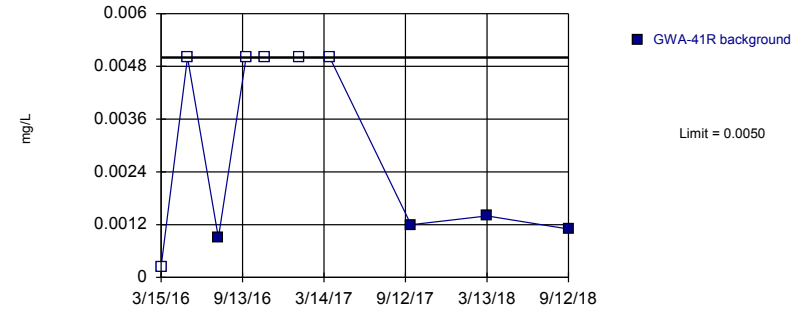
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

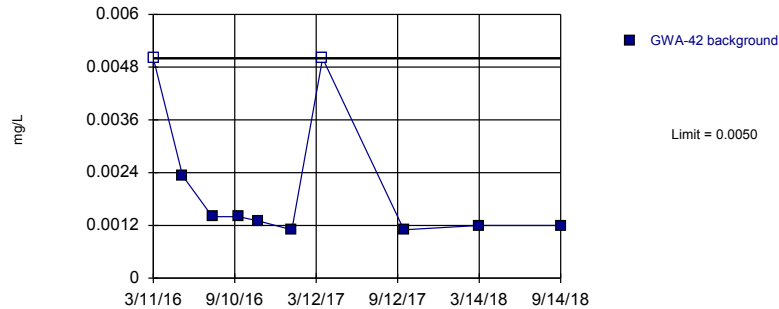
Prediction Limit  
Intrawell Non-parametric, GWA-41R (bg)



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3). Assumes 1 future value.

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Non-parametric, GWA-42 (bg)

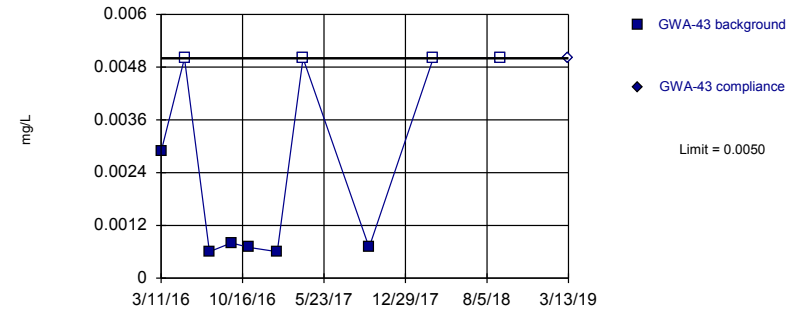


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 20% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3). Assumes 1 future value.

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 40% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

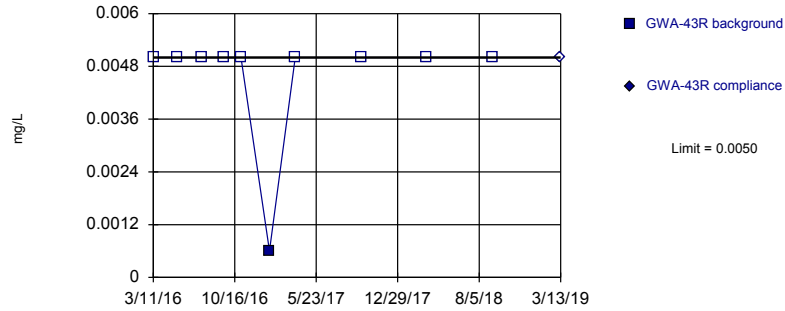
Constituent: Nickel Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-41	GWA-41	GWA-41R	GWA-42	GWA-43	GWA-43
3/11/2016				<0.01	0.00288 (J)	
3/15/2016	<0.01		<0.0005			
5/12/2016	<0.01					
5/13/2016			<0.01		<0.01	
5/16/2016				0.00233 (J)		
7/19/2016					0.0006 (J)	
7/20/2016	0.0006 (J)					
7/21/2016			0.0009 (J)			
7/22/2016				0.0014 (J)		
9/15/2016	0.0009 (J)					
9/16/2016					0.0008 (J)	
9/19/2016				0.0014 (J)		
9/21/2016			<0.01			
11/2/2016					0.0007 (J)	
11/3/2016	0.0011 (J)		<0.01	0.0013 (J)		
1/17/2017			<0.01	0.0011 (J)		
1/18/2017	0.0007 (J)				0.0006 (J)	
3/24/2017	<0.01 (*)					
3/27/2017			<0.01 (*)	<0.01 (*)		
3/28/2017					<0.01 (*)	
9/22/2017					0.0007 (J)	
9/25/2017	<0.01		0.0012 (J)			
9/26/2017				0.0011 (J)		
3/14/2018	<0.01		0.0014 (J)	0.0012 (J)	<0.01	
9/12/2018	<0.01		0.0011 (J)		<0.01	
9/14/2018				0.0012 (J)		
3/13/2019						<0.01
3/14/2019		<0.01				



Within Limit

Prediction Limit  
Intrawell Non-parametric

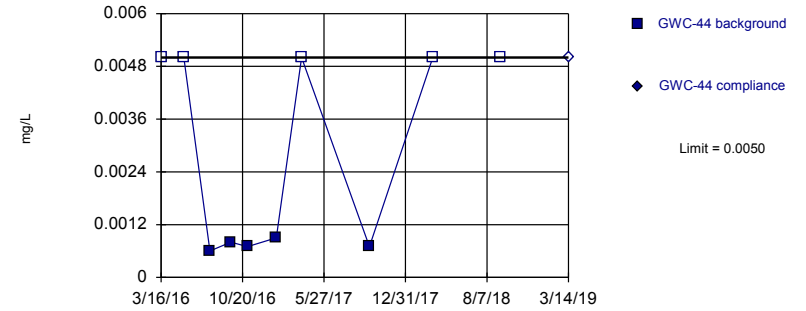


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

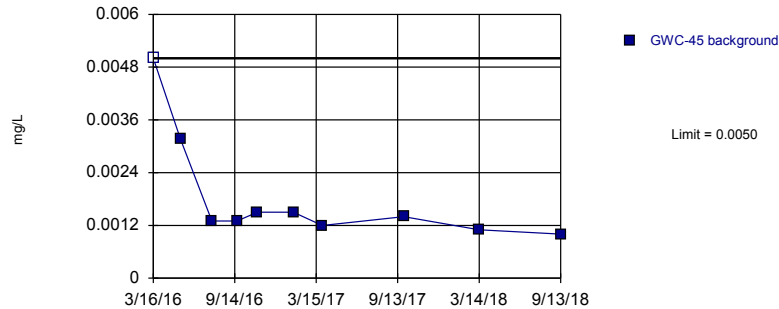
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 50% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Non-parametric, GWC-45

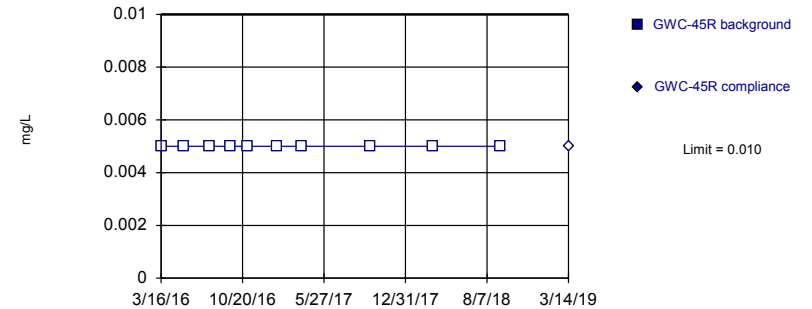


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 10% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3). Assumes 1 future value.

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

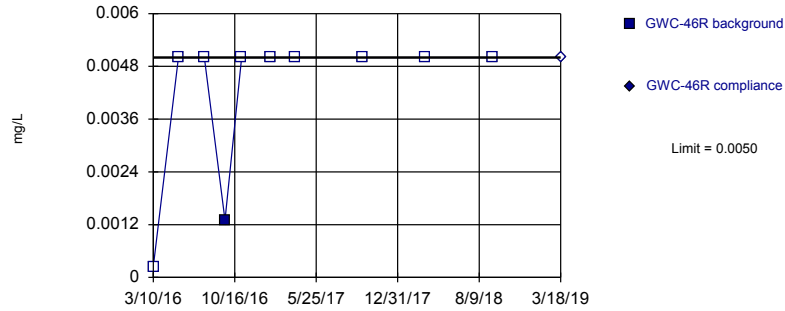
# Prediction Limit

Constituent: Nickel Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-43R	GWA-43R	GWC-44	GWC-44	GWC-45	GWC-45R	GWC-45R
3/11/2016	<0.01						
3/16/2016			<0.01		<0.01	<0.01	
5/13/2016	<0.01						
5/16/2016			<0.01		0.00316 (J)	<0.01	
7/19/2016	<0.01						
7/25/2016			0.0006 (J)		0.0013 (J)	<0.01	
9/16/2016	<0.01						
9/19/2016			0.0008 (J)		0.0013 (J)	<0.01	
11/2/2016	<0.01						
11/3/2016			0.0007 (J)			<0.01	
11/4/2016					0.0015 (J)		
1/18/2017	0.0006 (J)						
1/19/2017			0.0009 (J)				
1/20/2017						<0.01	
1/23/2017					0.0015 (J)		
3/28/2017	<0.01 (*)		<0.01 (*)				
3/29/2017					0.0012 (J)	<0.01	
9/22/2017	<0.01						
9/26/2017			0.0007 (J)				
9/27/2017					0.0014 (J)	<0.01	
3/15/2018	<0.01		<0.01		0.0011 (J)	<0.01	
9/12/2018	<0.01		<0.01				
9/13/2018					0.001 (J)	<0.01	
3/13/2019		<0.01					
3/14/2019				<0.01			<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

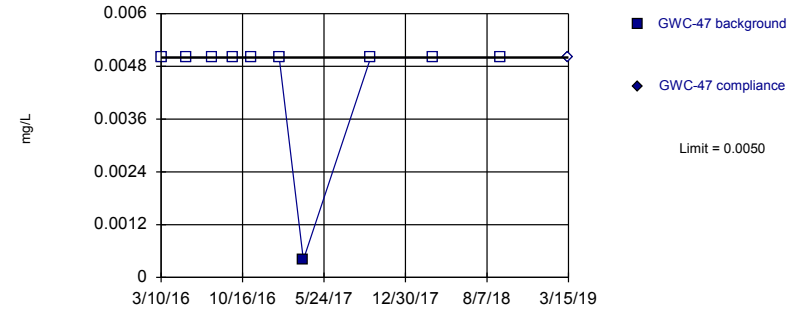


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

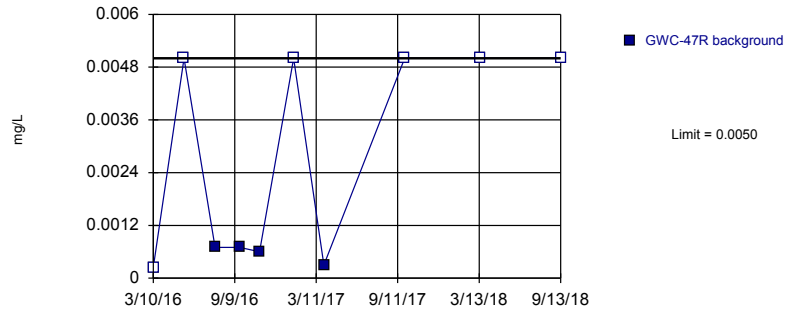
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

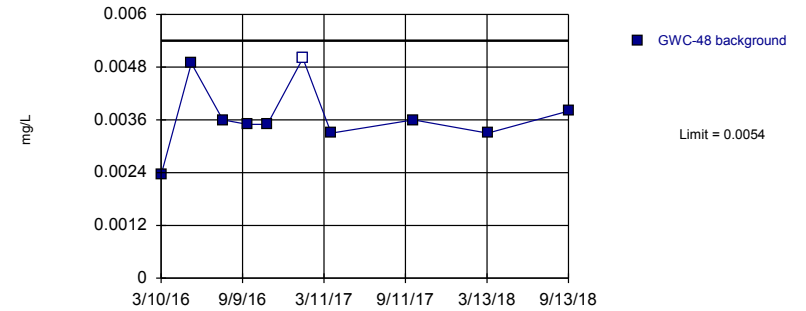
Prediction Limit  
Intrawell Non-parametric, GWC-47R



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3). Assumes 1 future value.

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Parametric, GWC-48



Background Data Summary: Mean=0.003684, Std. Dev.=0.0007714, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8771, critical = 0.781. Kappa = 2.251 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

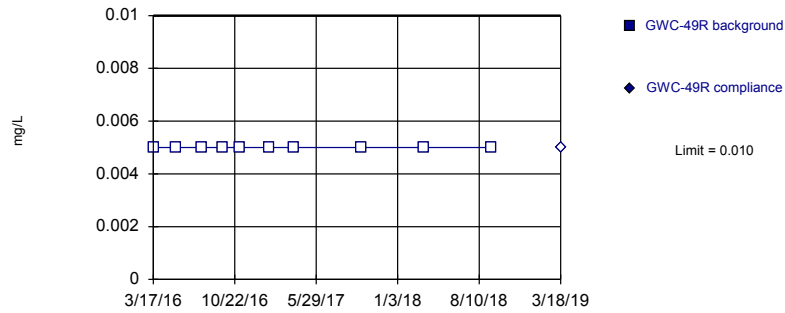
# Prediction Limit

Constituent: Nickel Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-46R	GWC-46R	GWC-47	GWC-47	GWC-47R	GWC-48
3/10/2016	<0.0005		<0.01		<0.0005	0.00235 (J)
5/17/2016	<0.01					0.00489 (J)
5/18/2016			<0.01		<0.01	
7/26/2016	<0.01					
7/27/2016			<0.01		0.0007 (J)	0.0036 (J)
9/20/2016	0.0013 (J)		<0.01		0.0007 (J)	0.0035 (J)
11/4/2016	<0.01				0.0006 (J)	0.0035 (J)
11/7/2016			<0.01			
1/20/2017	<0.01				<0.01	
1/23/2017			<0.01			<0.01
3/28/2017	<0.01					0.0033 (J)
3/29/2017			0.0004 (J)		0.0003 (J)	
9/27/2017			<0.01		<0.01	
9/29/2017	<0.01					0.0036 (J)
3/15/2018	<0.01		<0.01			0.0033 (J)
3/16/2018					<0.01	
9/13/2018	<0.01		<0.01		<0.01	0.0038 (J)
3/15/2019				<0.01		
3/18/2019		<0.01				

Within Limit

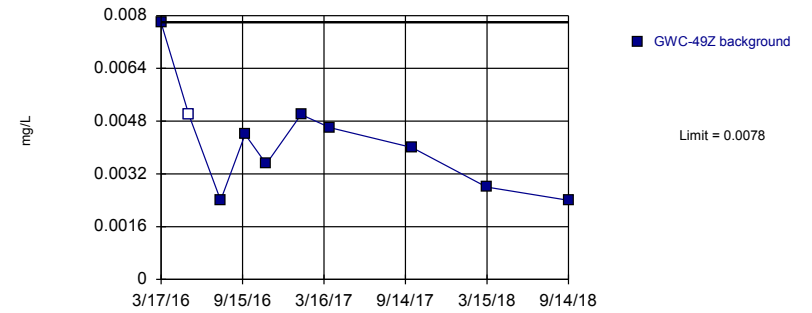
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

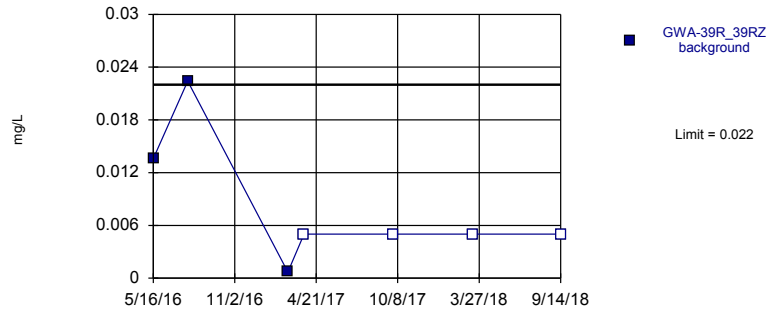
Prediction Limit  
Intrawell Parametric, GWC-49Z



Background Data Summary: Mean=0.004188, Std. Dev.=0.001608, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8957, critical = 0.781. Kappa = 2.251 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

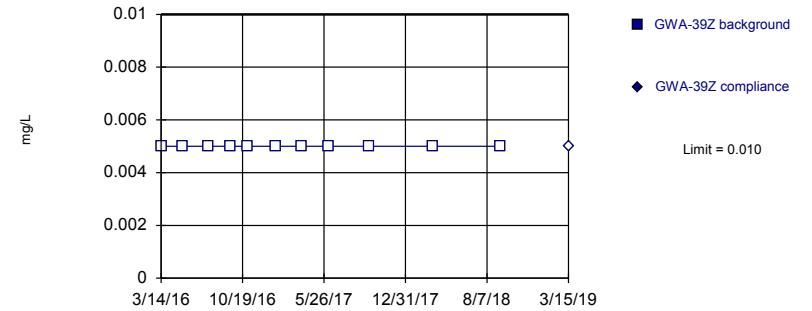
Prediction Limit  
Intrawell Non-parametric, GWA-39R\_39RZ (bg)



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3). Assumes 1 future value.

Constituent: Nickel Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

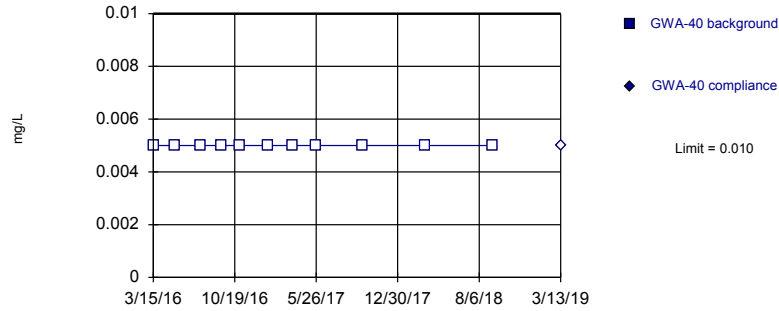
Constituent: Nickel, Selenium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-49R	GWC-49R	GWC-49Z	GWA-39R_39RZ	GWA-39Z	GWA-39Z
3/14/2016					<0.01	
3/17/2016	<0.01		0.00778 (J)			
5/11/2016					<0.01	
5/16/2016				0.0136 (D)		
5/18/2016	<0.01		<0.01			
7/19/2016					<0.01	
7/27/2016	<0.01			0.0224 (D)		
7/28/2016			0.0024 (J)			
9/15/2016					<0.01	
9/21/2016	<0.01		0.0044 (J)			
11/2/2016					<0.01	
11/4/2016	<0.01					
11/7/2016			0.0035 (J)			
1/18/2017					<0.01	
1/24/2017	<0.01		0.005 (J)			
2/21/2017				0.0007 (J)		
3/27/2017				<0.01 (D)		
3/28/2017					<0.01	
3/29/2017	<0.01					
3/30/2017			0.0046 (J)			
6/7/2017					<0.01	
9/26/2017					<0.01	
9/29/2017	<0.01		0.004 (J)	<0.01 (D)		
3/14/2018					<0.01	
3/15/2018	<0.01		0.0028 (J)			
3/16/2018				<0.01		
9/12/2018					<0.01	
9/13/2018	<0.01					
9/14/2018			0.0024 (J)	<0.01		
3/15/2019						<0.01
3/18/2019		<0.01				

Within Limit

Prediction Limit  
Intrawell Non-parametric

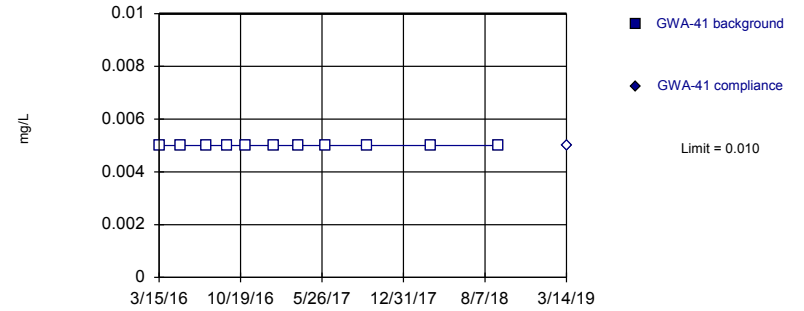


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

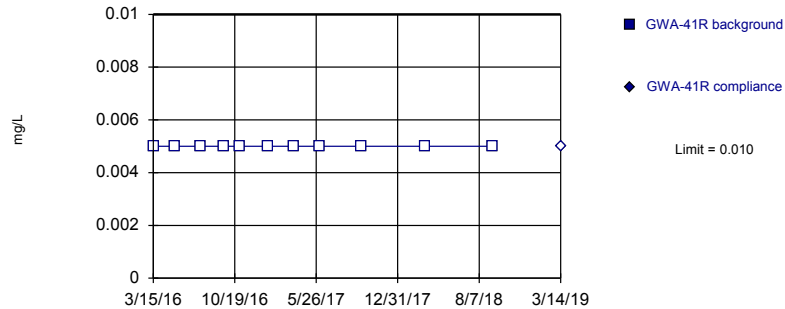


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

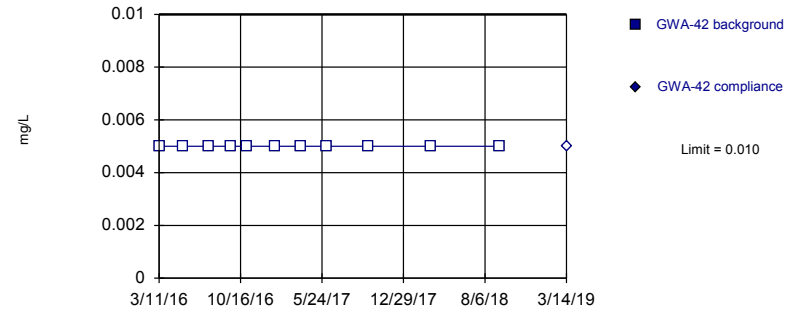


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

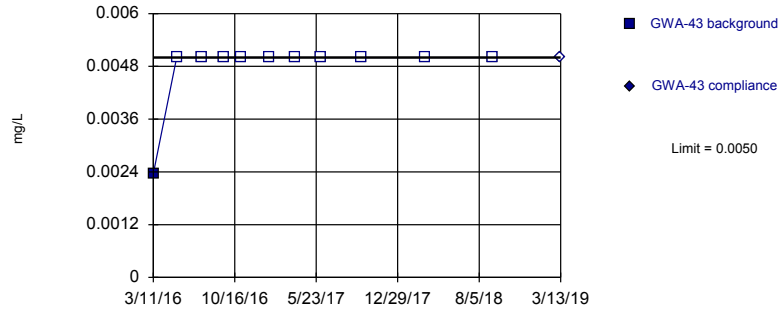
Constituent: Selenium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-40	GWA-40	GWA-41	GWA-41	GWA-41R	GWA-41R	GWA-42	GWA-42
3/11/2016							<0.01	
3/15/2016	<0.01		<0.01		<0.01			
5/11/2016	<0.01							
5/12/2016			<0.01					
5/13/2016					<0.01			
5/16/2016							<0.01	
7/20/2016			<0.01					
7/21/2016	<0.01				<0.01			
7/22/2016							<0.01	
9/15/2016	<0.01		<0.01					
9/19/2016							<0.01	
9/21/2016					<0.01			
11/3/2016	<0.01		<0.01		<0.01		<0.01	
1/17/2017	<0.01				<0.01		<0.01	
1/18/2017			<0.01					
3/24/2017	<0.01		<0.01					
3/27/2017					<0.01		<0.01	
5/24/2017	<0.01							
6/6/2017			<0.01		<0.01			
6/7/2017							<0.01	
9/25/2017			<0.01		<0.01			
9/26/2017	<0.01						<0.01	
3/14/2018	<0.01		<0.01		<0.01		<0.01	
9/12/2018	<0.01		<0.01		<0.01			
9/14/2018							<0.01	
3/13/2019		<0.01						
3/14/2019				<0.01		<0.01		<0.01



Within Limit

Prediction Limit  
Intrawell Non-parametric

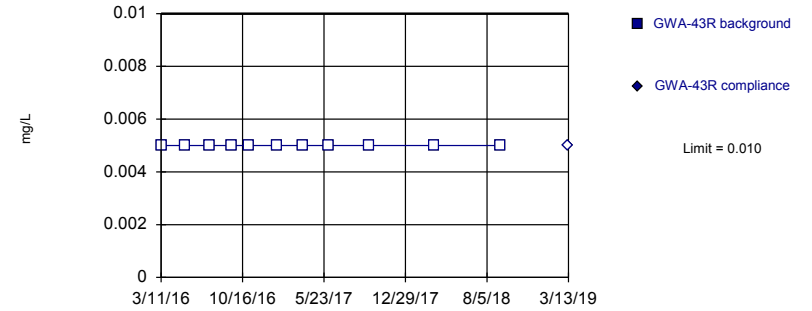


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

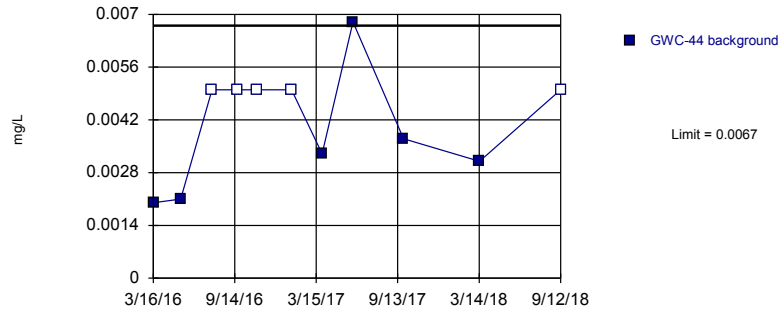
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Parametric, GWC-44

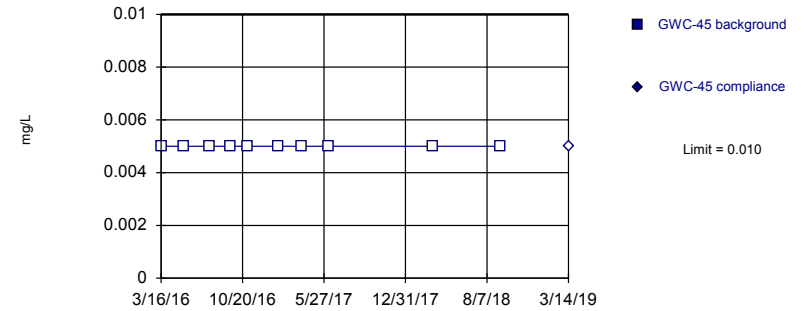


Background Data Summary (after Aitchison's Adjustment): Mean=0.001909, Std. Dev.=0.002208, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9066, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Selenium Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



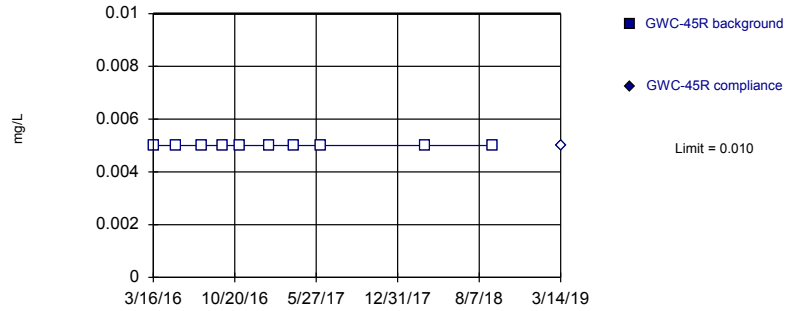
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:22 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

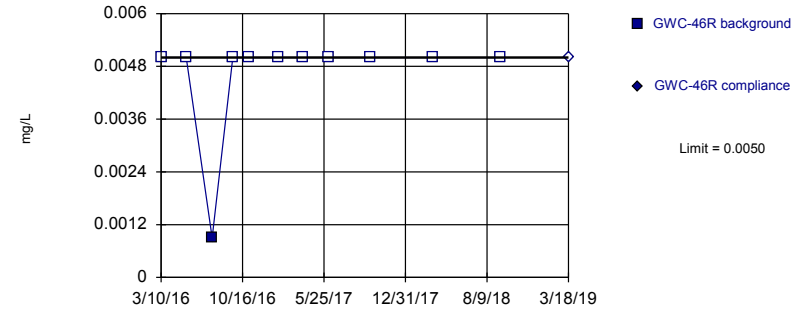


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

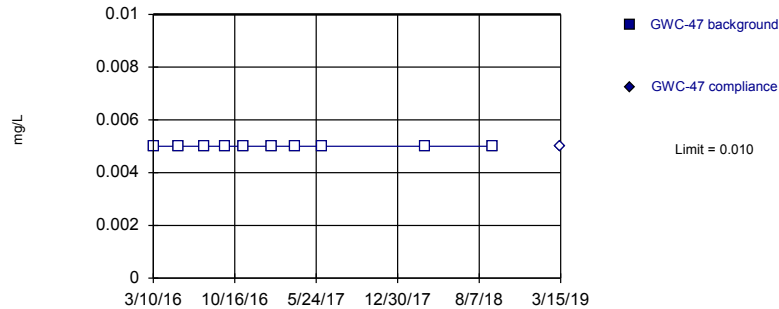


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

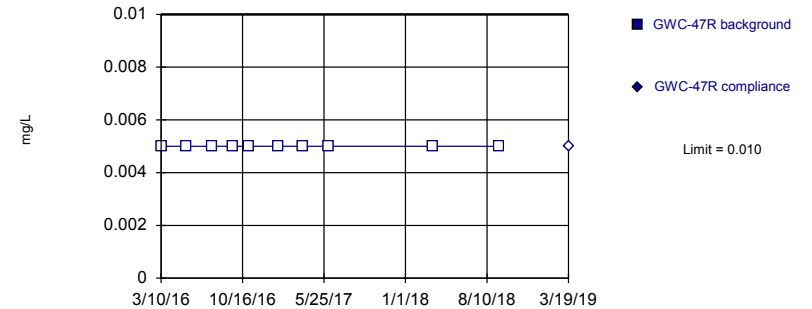


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



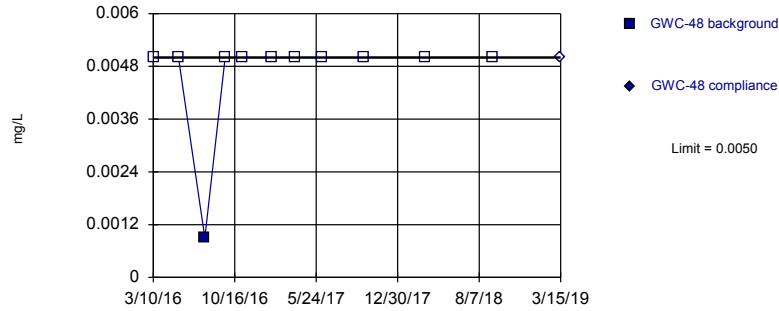
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

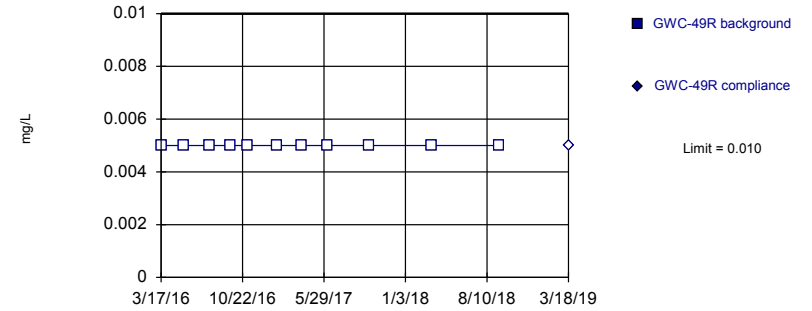


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

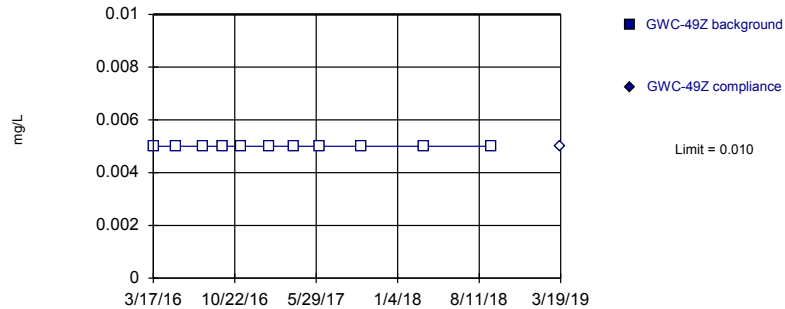


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

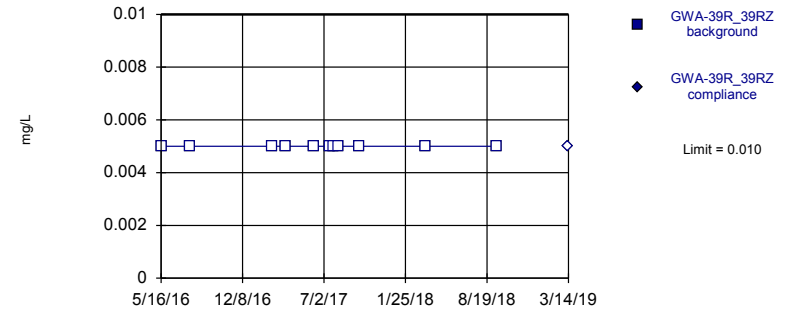


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



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Constituent: Selenium Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

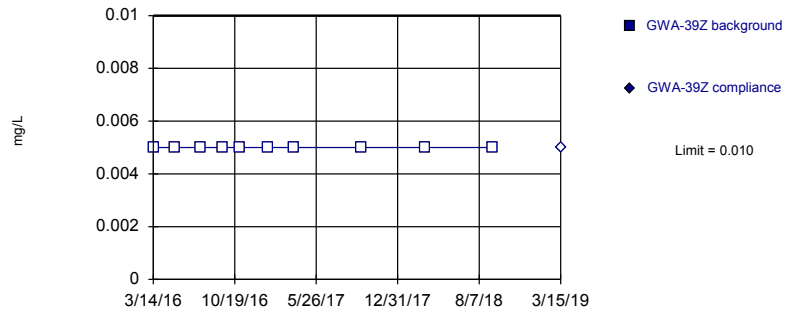
Constituent: Selenium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-48	GWC-48	GWC-49R	GWC-49R	GWC-49Z	GWC-49Z	GWA-39R_39RZ	GWA-39R_39RZ
3/10/2016	<0.01							
3/17/2016			<0.01		<0.01			
5/16/2016							<0.01 (D)	
5/17/2016	<0.01							
5/18/2016			<0.01		<0.01			
7/27/2016	0.0009 (J)		<0.01				<0.01 (D)	
7/28/2016					<0.01			
9/20/2016	<0.01							
9/21/2016			<0.01		<0.01			
11/4/2016	<0.01		<0.01					
11/7/2016					<0.01			
1/23/2017	<0.01							
1/24/2017			<0.01		<0.01			
2/21/2017							<0.01	
3/27/2017							<0.01 (D)	
3/28/2017	<0.01							
3/29/2017			<0.01					
3/30/2017					<0.01			
6/8/2017	<0.01		<0.01				<0.01 (D)	
6/9/2017					<0.01			
7/17/2017							<0.01 (D)	
7/27/2017							<0.01	
8/9/2017							<0.01	
9/29/2017	<0.01		<0.01		<0.01		<0.01 (D)	
3/15/2018	<0.01		<0.01		<0.01			
3/16/2018							<0.01	
9/13/2018	<0.01		<0.01					
9/14/2018					<0.01		<0.01	
3/14/2019								<0.01
3/15/2019		<0.01						
3/18/2019				<0.01				
3/19/2019						<0.01		

Within Limit

Prediction Limit  
Intrawell Non-parametric

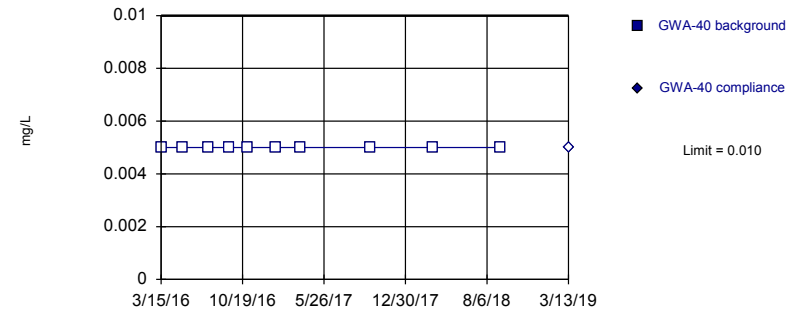


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

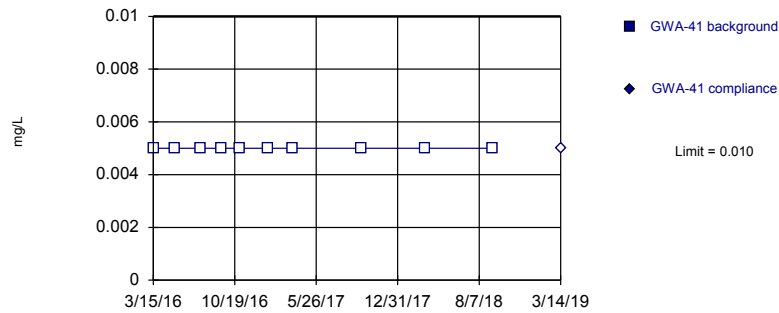


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

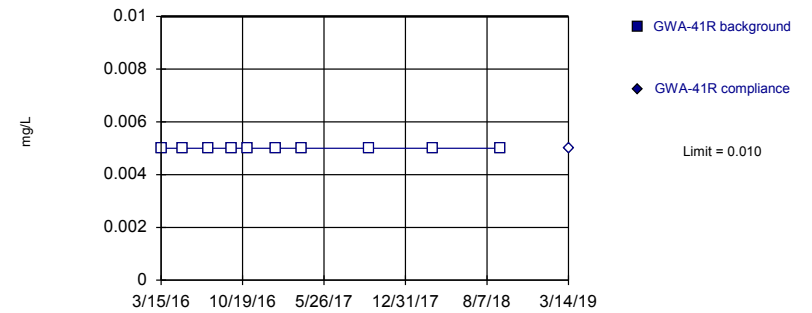


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



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Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

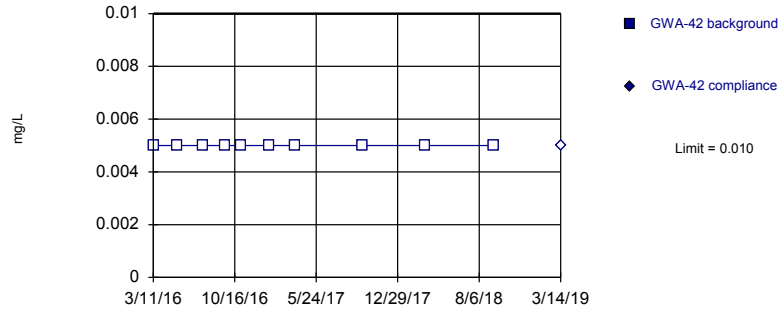
Constituent: Silver Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-39Z	GWA-39Z	GWA-40	GWA-40	GWA-41	GWA-41	GWA-41R	GWA-41R
3/14/2016	<0.01							
3/15/2016			<0.01		<0.01		<0.01	
5/11/2016	<0.01		<0.01					
5/12/2016					<0.01			
5/13/2016							<0.01	
7/19/2016	<0.01							
7/20/2016					<0.01			
7/21/2016			<0.01				<0.01	
9/15/2016	<0.01		<0.01		<0.01			
9/21/2016							<0.01	
11/2/2016	<0.01							
11/3/2016			<0.01		<0.01		<0.01	
1/17/2017			<0.01				<0.01	
1/18/2017	<0.01				<0.01			
3/24/2017			<0.01		<0.01			
3/27/2017							<0.01	
3/28/2017	<0.01							
9/25/2017					<0.01		<0.01	
9/26/2017	<0.01		<0.01					
3/14/2018	<0.01		<0.01		<0.01		<0.01	
9/12/2018	<0.01		<0.01		<0.01		<0.01	
3/13/2019				<0.01				
3/14/2019						<0.01		<0.01
3/15/2019		<0.01						



Within Limit

Prediction Limit  
Intrawell Non-parametric

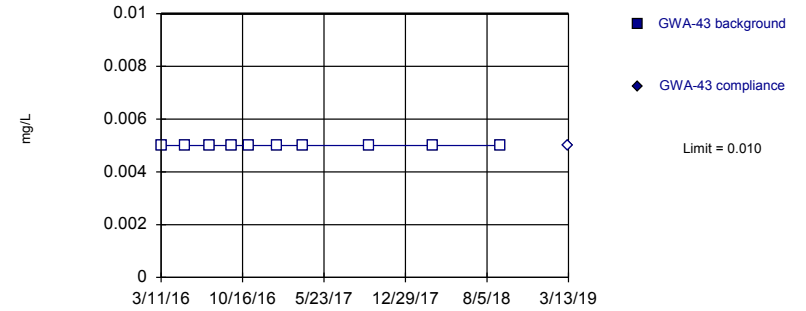


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

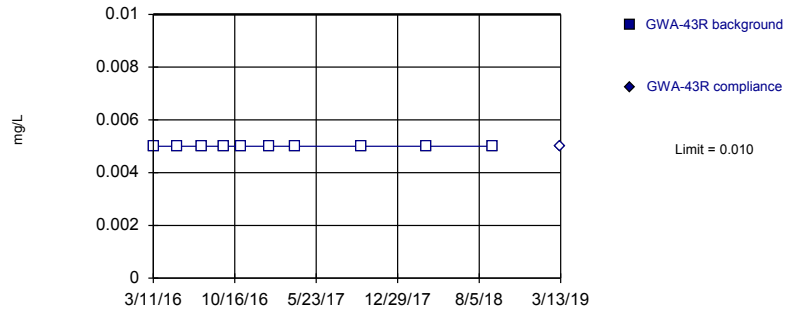


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Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

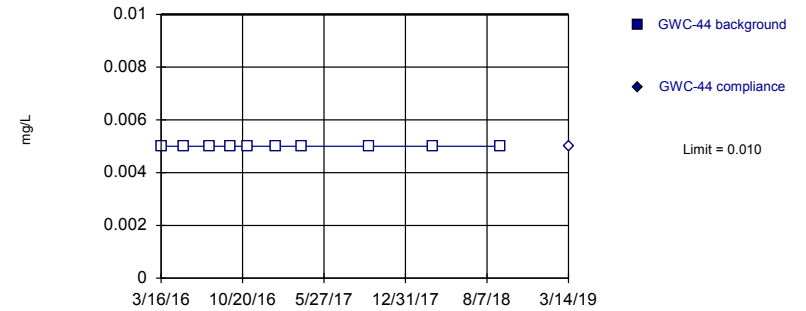


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Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



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Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

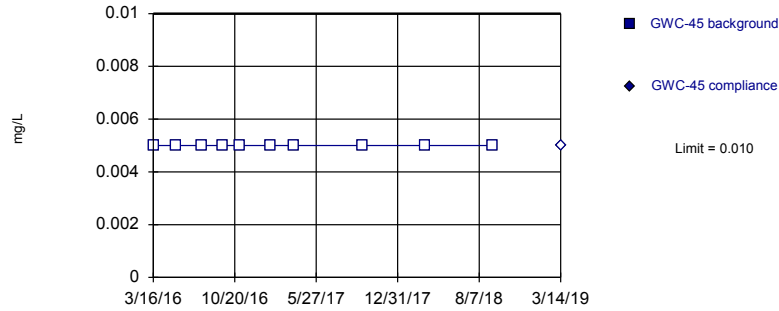
# Prediction Limit

Constituent: Silver Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-42	GWA-42	GWA-43	GWA-43	GWA-43R	GWA-43R	GWC-44	GWC-44
3/11/2016	<0.01		<0.01		<0.01			
3/16/2016							<0.01	
5/13/2016			<0.01		<0.01			
5/16/2016	<0.01						<0.01	
7/19/2016			<0.01		<0.01			
7/22/2016	<0.01							
7/25/2016							<0.01	
9/16/2016			<0.01		<0.01			
9/19/2016	<0.01						<0.01	
11/2/2016			<0.01		<0.01			
11/3/2016	<0.01						<0.01	
1/17/2017	<0.01							
1/18/2017			<0.01		<0.01			
1/19/2017							<0.01	
3/27/2017	<0.01							
3/28/2017			<0.01		<0.01		<0.01	
9/22/2017			<0.01		<0.01			
9/26/2017	<0.01						<0.01	
3/14/2018	<0.01		<0.01					
3/15/2018					<0.01		<0.01	
9/12/2018			<0.01		<0.01		<0.01	
9/14/2018	<0.01							
3/13/2019				<0.01		<0.01		
3/14/2019		<0.01						<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

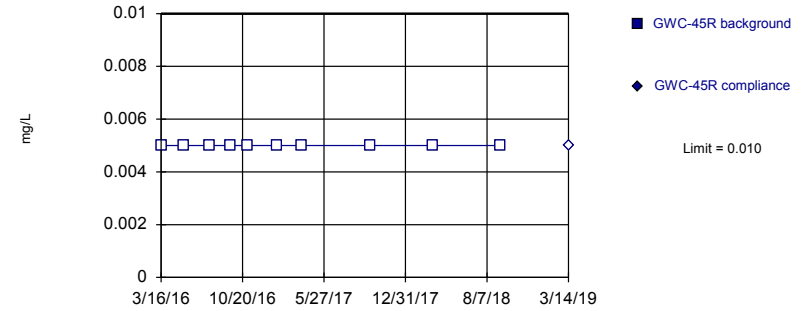


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Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

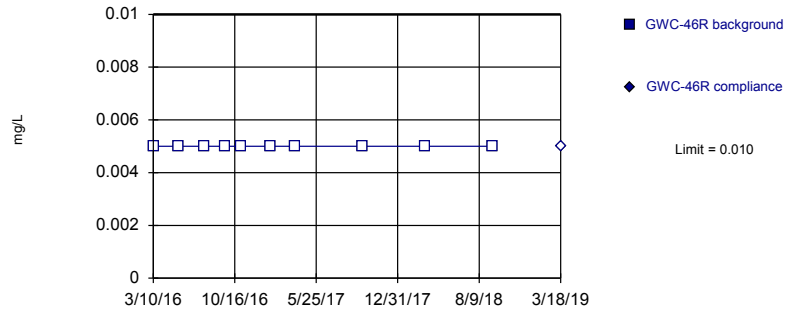


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Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

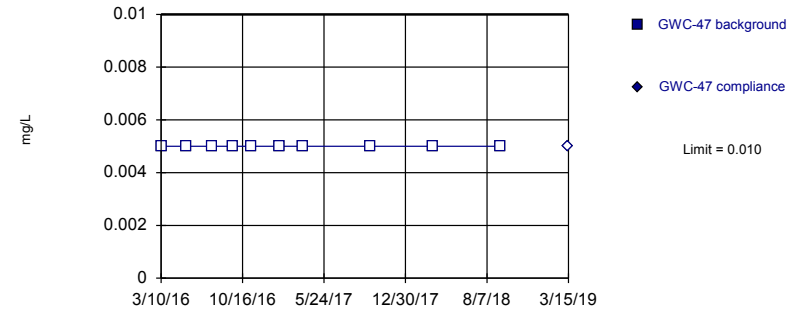


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Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



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Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

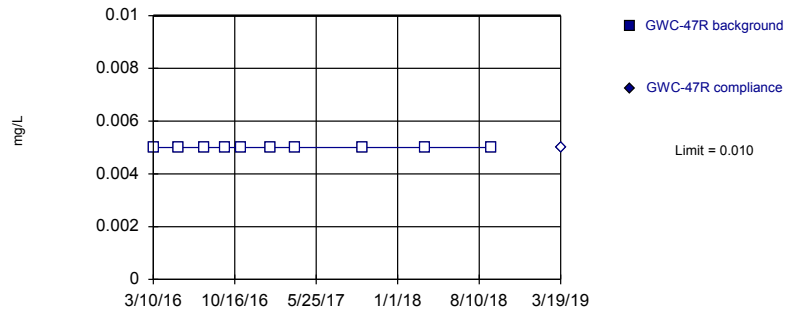
# Prediction Limit

Constituent: Silver Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-45	GWC-45	GWC-45R	GWC-45R	GWC-46R	GWC-46R	GWC-47	GWC-47
3/10/2016					<0.01		<0.01	
3/16/2016	<0.01		<0.01					
5/16/2016	<0.01		<0.01					
5/17/2016					<0.01			
5/18/2016							<0.01	
7/25/2016	<0.01		<0.01					
7/26/2016					<0.01			
7/27/2016							<0.01	
9/19/2016	<0.01		<0.01					
9/20/2016					<0.01		<0.01	
11/3/2016			<0.01					
11/4/2016	<0.01				<0.01			
11/7/2016							<0.01	
1/20/2017			<0.01		<0.01			
1/23/2017	<0.01						<0.01	
3/28/2017					<0.01			
3/29/2017	<0.01		<0.01				<0.01	
9/27/2017	<0.01		<0.01				<0.01	
9/29/2017					<0.01			
3/15/2018	<0.01		<0.01		<0.01		<0.01	
9/13/2018	<0.01		<0.01		<0.01		<0.01	
3/14/2019		<0.01		<0.01				
3/15/2019								<0.01
3/18/2019						<0.01		

Within Limit

Prediction Limit  
Intrawell Non-parametric

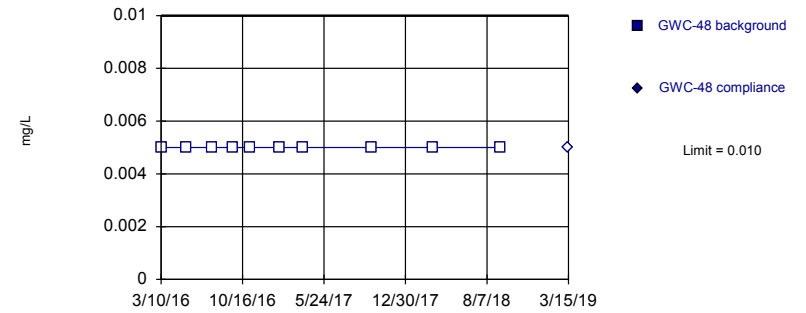


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

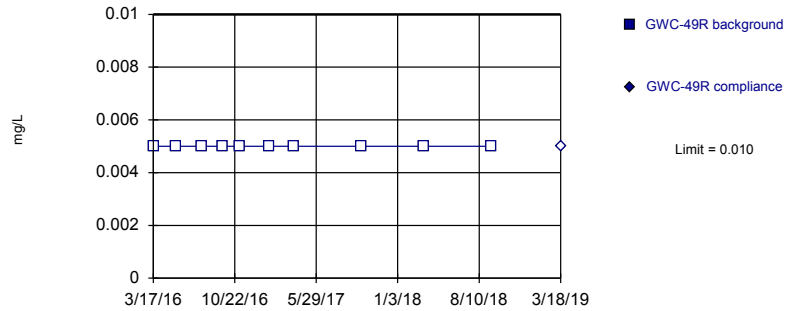


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

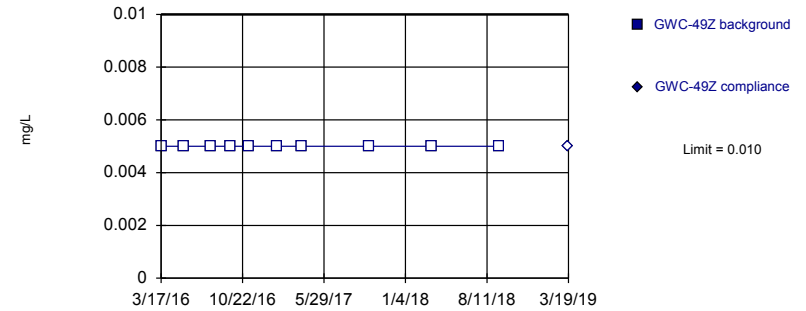


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

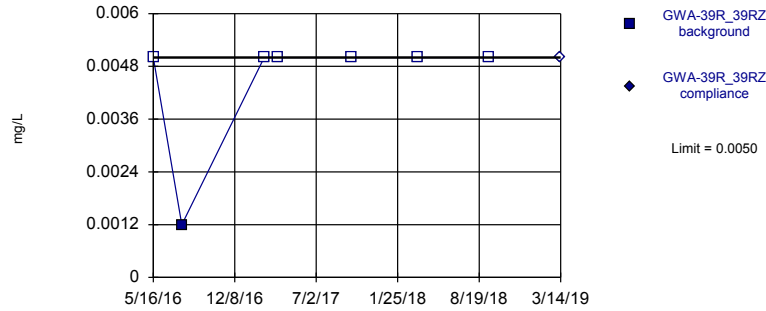
# Prediction Limit

Constituent: Silver Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-47R	GWC-47R	GWC-48	GWC-48	GWC-49R	GWC-49R	GWC-49Z	GWC-49Z
3/10/2016	<0.01		<0.01					
3/17/2016					<0.01		<0.01	
5/17/2016			<0.01					
5/18/2016	<0.01				<0.01		<0.01	
7/27/2016	<0.01		<0.01		<0.01			
7/28/2016							<0.01	
9/20/2016	<0.01		<0.01					
9/21/2016					<0.01		<0.01	
11/4/2016	<0.01		<0.01		<0.01			
11/7/2016							<0.01	
1/20/2017	<0.01							
1/23/2017			<0.01					
1/24/2017					<0.01		<0.01	
3/28/2017			<0.01					
3/29/2017	<0.01				<0.01			
3/30/2017							<0.01	
9/27/2017	<0.01							
9/29/2017			<0.01		<0.01		<0.01	
3/15/2018			<0.01		<0.01		<0.01	
3/16/2018	<0.01							
9/13/2018	<0.01		<0.01		<0.01			
9/14/2018							<0.01	
3/15/2019				<0.01				
3/18/2019						<0.01		
3/19/2019		<0.01						<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

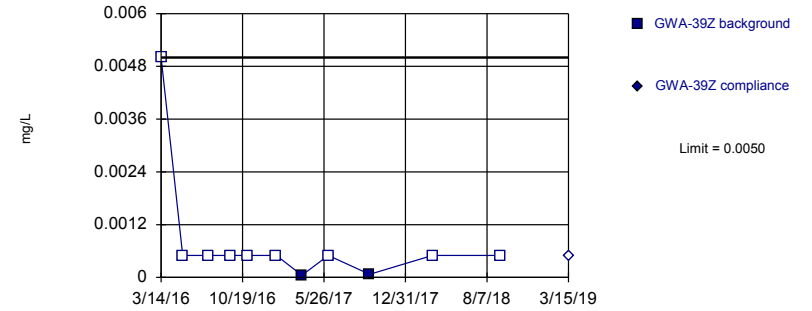


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Constituent: Silver Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

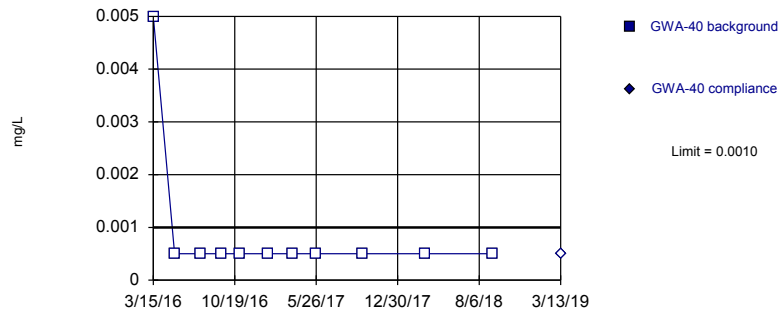


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

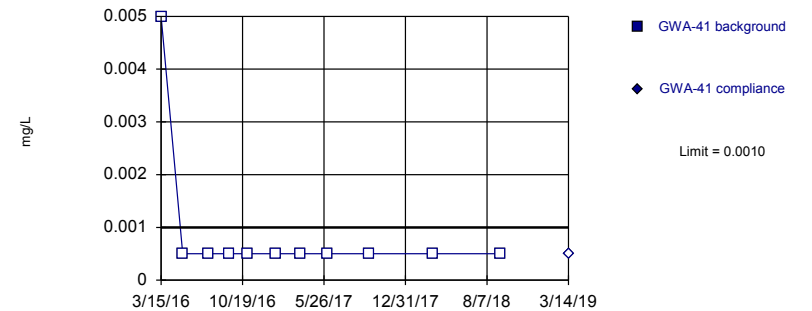


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

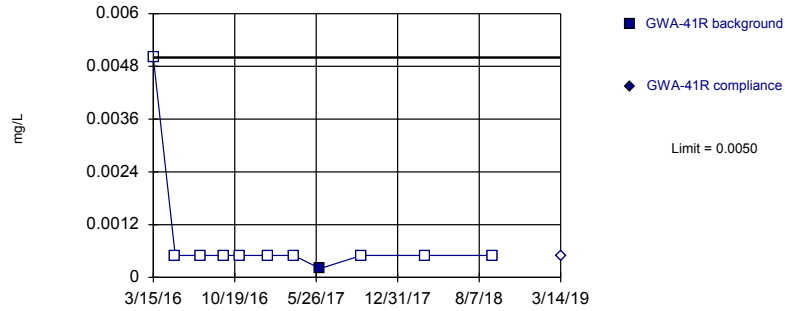
Constituent: Silver, Thallium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-39R_39RZ	GWA-39R_39RZ	GWA-39Z	GWA-39Z	GWA-40	GWA-40	GWA-41	GWA-41
3/14/2016			<0.01					
3/15/2016					<0.01		<0.01	
5/11/2016			<0.001		<0.001			
5/12/2016							<0.001	
5/16/2016	<0.01 (D)							
7/19/2016			<0.001 (*)					
7/20/2016							<0.001	
7/21/2016					<0.001			
7/27/2016	0.0012 (JD)							
9/15/2016			<0.001		<0.001		<0.001	
11/2/2016			<0.001					
11/3/2016					<0.001		<0.001	
1/17/2017					<0.001			
1/18/2017			<0.001				<0.001	
2/21/2017	<0.01							
3/24/2017					<0.001		<0.001	
3/27/2017	<0.01 (D)							
3/28/2017			5E-05 (J)					
5/24/2017					<0.001			
6/6/2017							<0.001	
6/7/2017			<0.001					
9/25/2017							<0.001	
9/26/2017			7E-05 (J)		<0.001			
9/29/2017	<0.01 (D)							
3/14/2018			<0.001		<0.001		<0.001	
3/16/2018	<0.01							
9/12/2018			<0.001		<0.001		<0.001	
9/14/2018	<0.01							
3/13/2019						<0.001		
3/14/2019		<0.01						<0.001
3/15/2019				<0.001				



Within Limit

Prediction Limit  
Intrawell Non-parametric

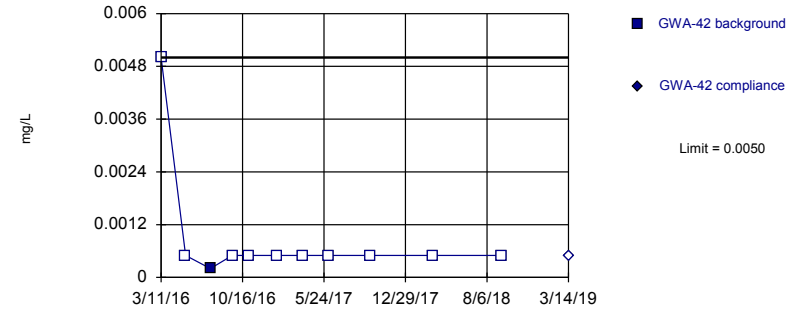


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

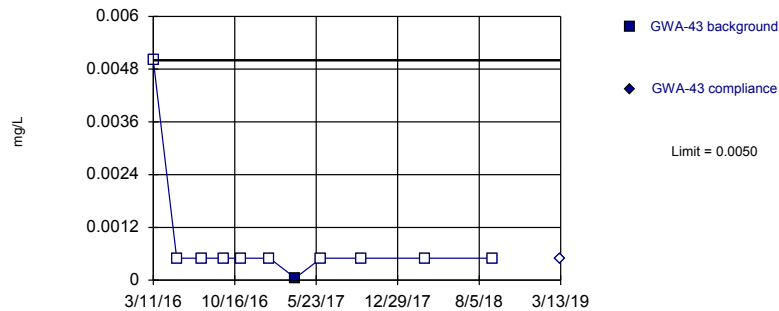


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:23 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

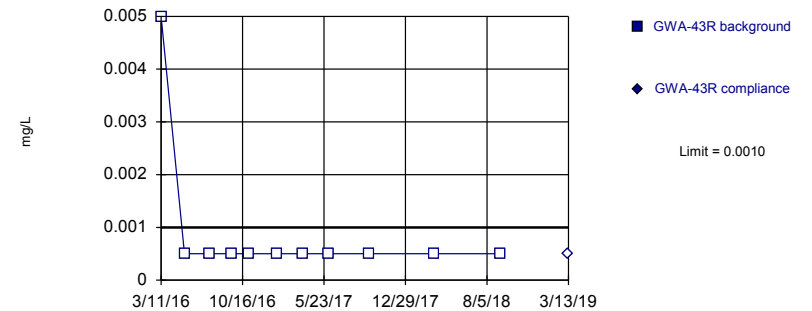


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

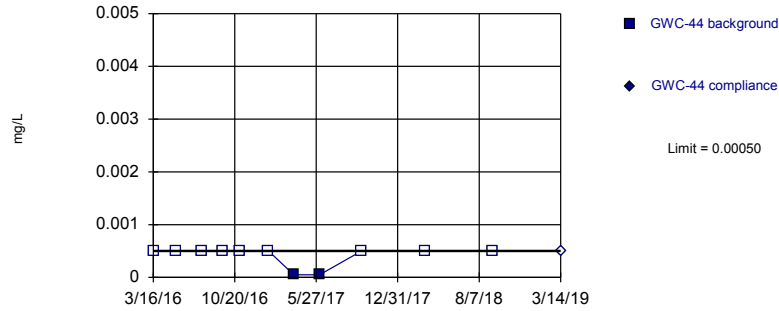
# Prediction Limit

Constituent: Thallium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-41R	GWA-41R	GWA-42	GWA-42	GWA-43	GWA-43	GWA-43R	GWA-43R
3/11/2016			<0.01		<0.01		<0.01	
3/15/2016	<0.01							
5/13/2016	<0.001				<0.001		<0.001	
5/16/2016			<0.001					
7/19/2016					<0.001 (*)		<0.001	
7/21/2016	<0.001							
7/22/2016			0.0002 (J)					
9/16/2016					<0.001		<0.001	
9/19/2016			<0.001					
9/21/2016	<0.001							
11/2/2016					<0.001		<0.001	
11/3/2016	<0.001		<0.001					
1/17/2017	<0.001		<0.001					
1/18/2017					<0.001		<0.001	
3/27/2017	<0.001		<0.001					
3/28/2017					5E-05 (J)		<0.001	
6/6/2017	0.0002 (J)				<0.001		<0.001	
6/7/2017			<0.001					
9/22/2017					<0.001		<0.001	
9/25/2017	<0.001							
9/26/2017			<0.001					
3/14/2018	<0.001		<0.001		<0.001			
3/15/2018							<0.001	
9/12/2018	<0.001				<0.001		<0.001	
9/14/2018			<0.001					
3/13/2019						<0.001		<0.001
3/14/2019		<0.001		<0.001				

Within Limit

Prediction Limit  
Intrawell Non-parametric

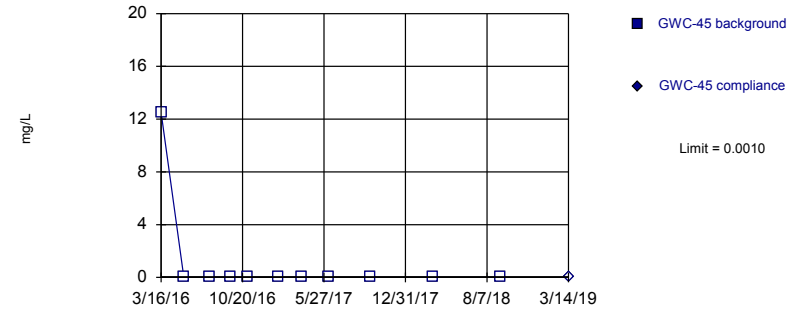


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

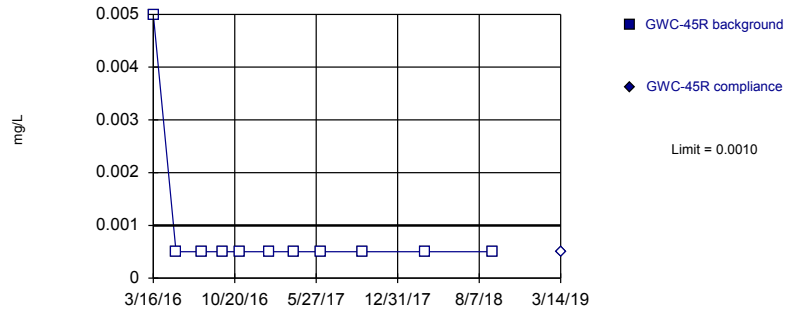


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

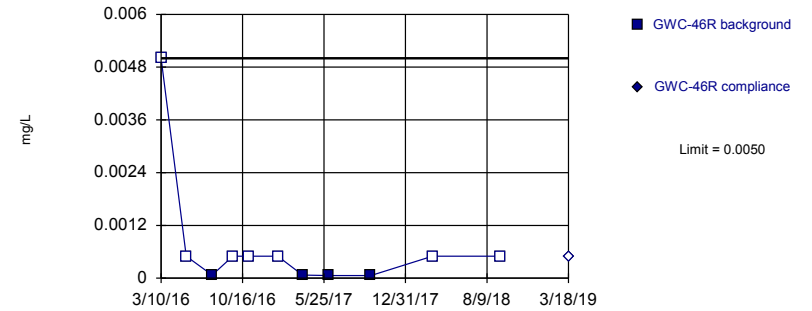


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



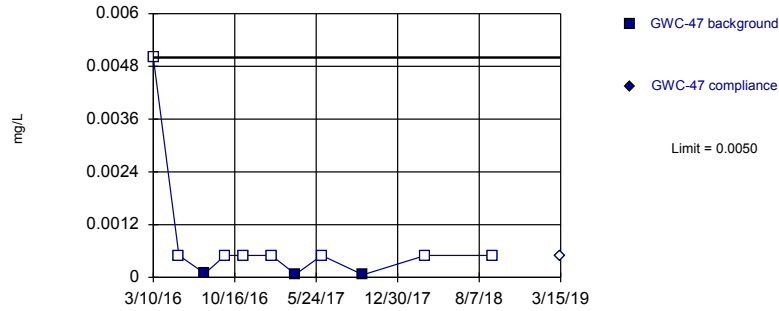
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Within Limit

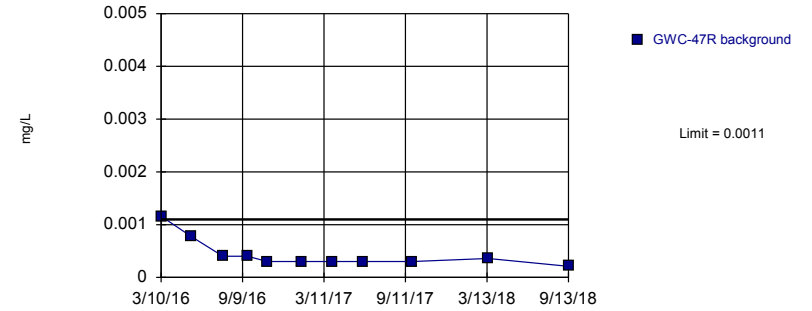
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Parametric, GWC-47R

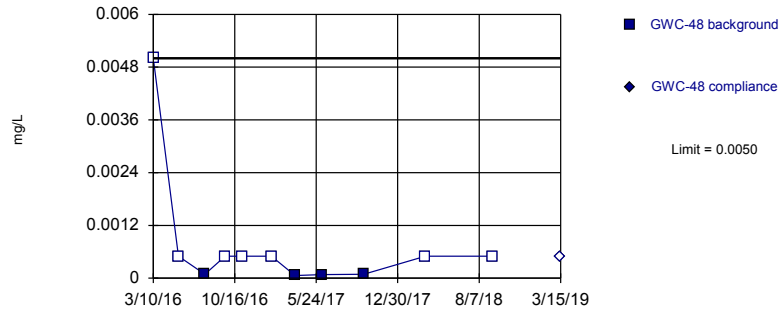


Background Data Summary (based on natural log transformation): Mean=-7.867, Std. Dev.=0.4878, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8094, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Thallium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

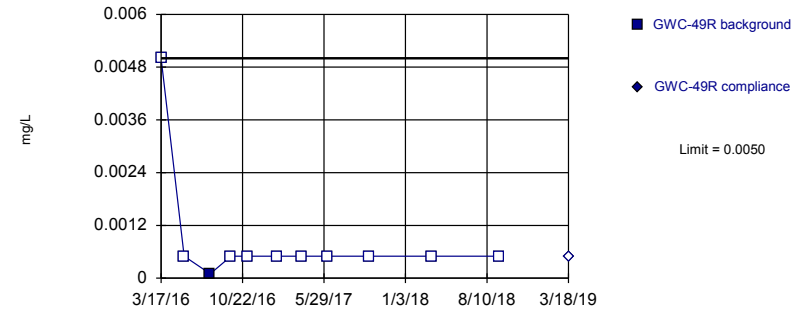


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



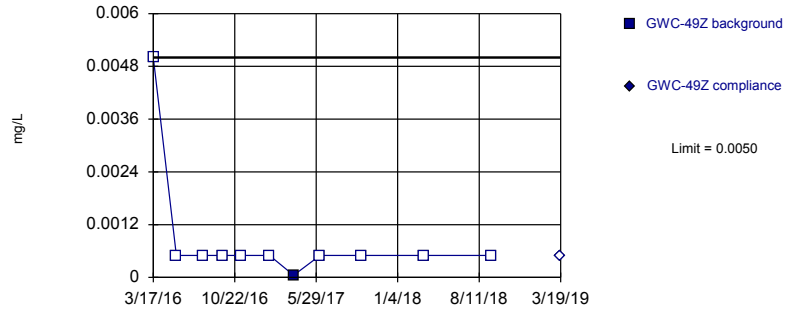
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

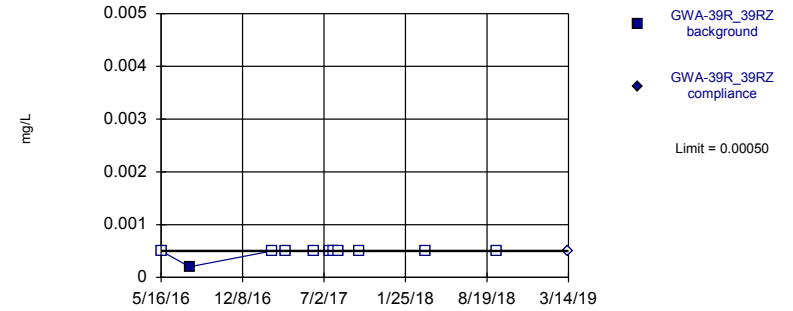


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

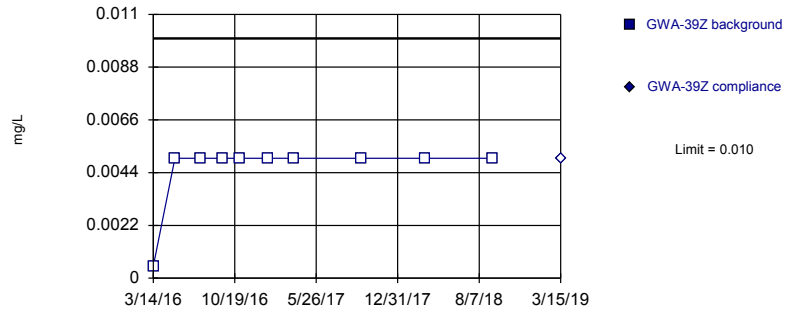


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

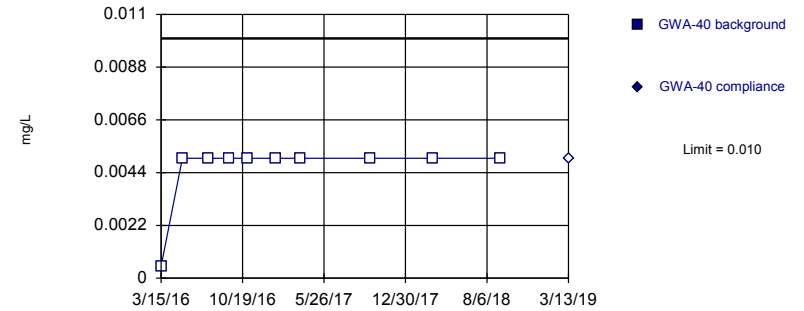


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

Constituent: Thallium, Vanadium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals

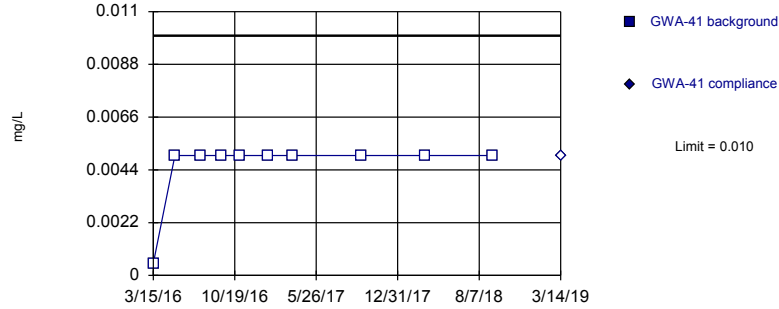
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-49Z	GWC-49Z	GWA-39R_39RZ	GWA-39R_39RZ	GWA-39Z	GWA-39Z	GWA-40	GWA-40
3/14/2016					<0.001			
3/15/2016							<0.001	
3/17/2016	<0.01							
5/11/2016					<0.01		<0.01	
5/16/2016			<0.001 (D)					
5/18/2016	<0.001							
7/19/2016					<0.01			
7/21/2016							<0.01	
7/27/2016			0.0002 (JD)					
7/28/2016	<0.001							
9/15/2016					<0.01		<0.01	
9/21/2016	<0.001							
11/2/2016					<0.01			
11/3/2016							<0.01	
11/7/2016	<0.001							
1/17/2017							<0.01	
1/18/2017					<0.01			
1/24/2017	<0.001							
2/21/2017			<0.001					
3/24/2017							<0.01	
3/27/2017			<0.001 (D)					
3/28/2017					<0.01			
3/30/2017	5E-05 (J)							
6/8/2017			<0.001 (D)					
6/9/2017	<0.001							
7/17/2017			<0.001 (D)					
7/27/2017			<0.001					
8/9/2017			<0.001					
9/26/2017					<0.01		<0.01	
9/29/2017	<0.001		<0.001 (D)					
3/14/2018					<0.01		<0.01	
3/15/2018	<0.001							
3/16/2018			<0.001					
9/12/2018					<0.01		<0.01	
9/14/2018	<0.001		<0.001					
3/13/2019								<0.01
3/14/2019				<0.001				
3/15/2019						<0.01		
3/19/2019		<0.001						



Within Limit

Prediction Limit  
Intrawell Non-parametric

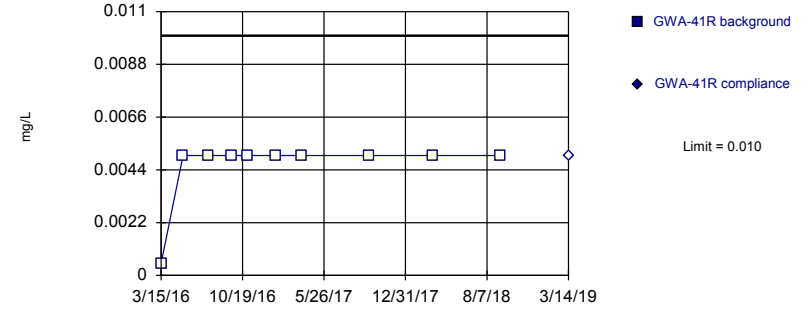


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

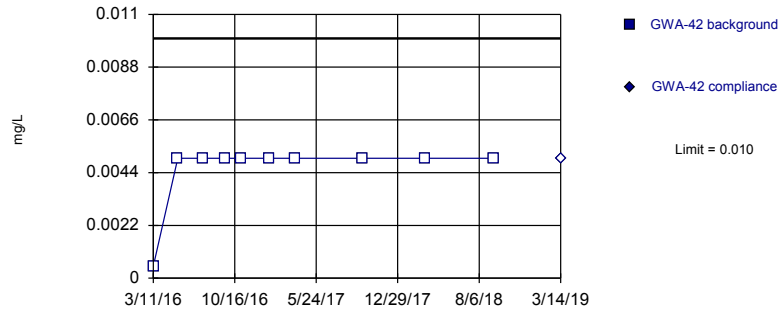


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

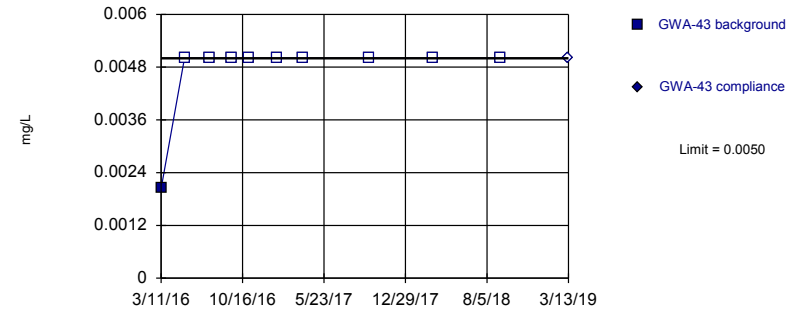


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

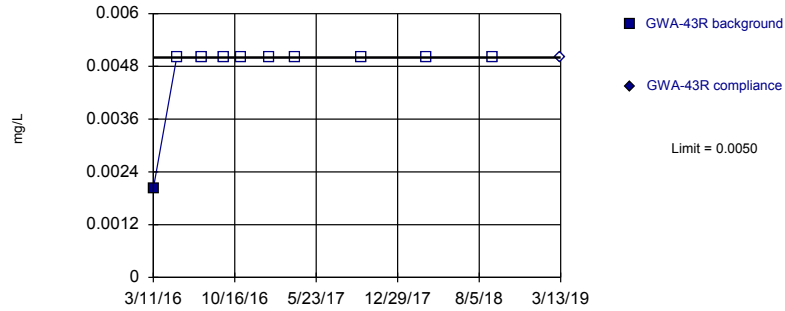
# Prediction Limit

Constituent: Vanadium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-41	GWA-41	GWA-41R	GWA-41R	GWA-42	GWA-42	GWA-43	GWA-43
3/11/2016					<0.001		0.00204 (J)	
3/15/2016	<0.001		<0.001					
5/12/2016	<0.01							
5/13/2016			<0.01				<0.01	
5/16/2016					<0.01			
7/19/2016							<0.01	
7/20/2016	<0.01							
7/21/2016			<0.01					
7/22/2016					<0.01			
9/15/2016	<0.01							
9/16/2016							<0.01	
9/19/2016					<0.01			
9/21/2016			<0.01					
11/2/2016							<0.01	
11/3/2016	<0.01		<0.01		<0.01			
1/17/2017			<0.01		<0.01			
1/18/2017	<0.01						<0.01	
3/24/2017	<0.01							
3/27/2017			<0.01		<0.01			
3/28/2017							<0.01	
9/22/2017							<0.01	
9/25/2017	<0.01		<0.01					
9/26/2017					<0.01			
3/14/2018	<0.01		<0.01		<0.01		<0.01	
9/12/2018	<0.01		<0.01				<0.01	
9/14/2018					<0.01			
3/13/2019								<0.01
3/14/2019		<0.01		<0.01		<0.01		

Within Limit

Prediction Limit  
Intrawell Non-parametric

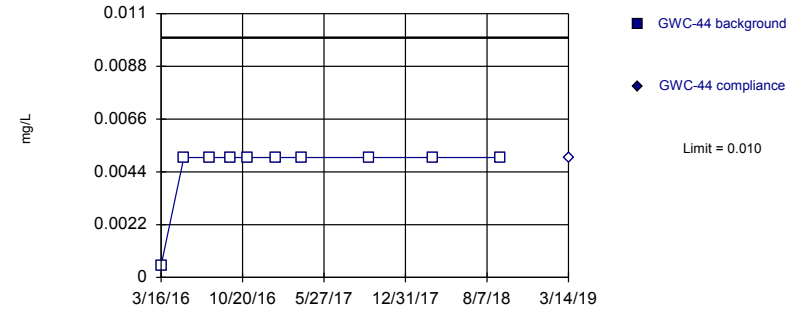


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

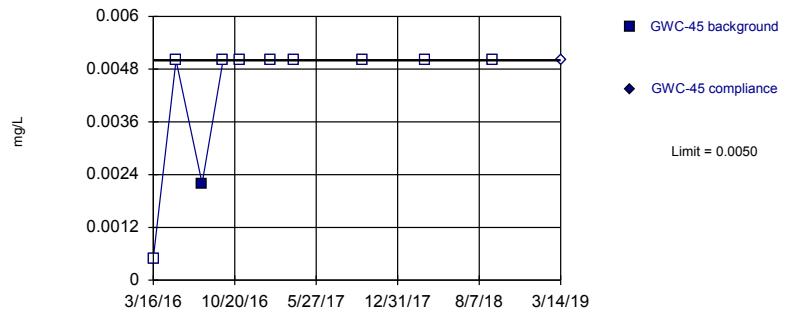


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

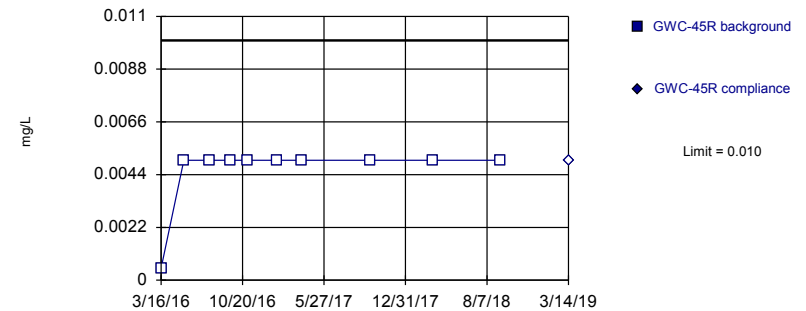


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

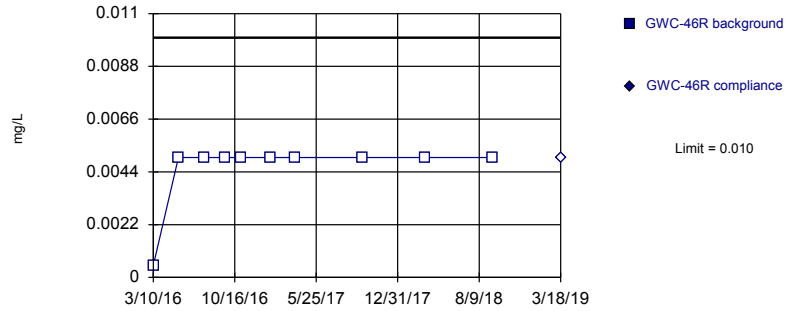
# Prediction Limit

Constituent: Vanadium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-43R	GWA-43R	GWC-44	GWC-44	GWC-45	GWC-45	GWC-45R	GWC-45R
3/11/2016	0.00202 (J)							
3/16/2016			<0.001		<0.001		<0.001	
5/13/2016	<0.01							
5/16/2016			<0.01		<0.01		<0.01	
7/19/2016	<0.01							
7/25/2016			<0.01		0.0022 (J)		<0.01	
9/16/2016	<0.01							
9/19/2016			<0.01		<0.01		<0.01	
11/2/2016	<0.01							
11/3/2016			<0.01				<0.01	
11/4/2016					<0.01			
1/18/2017	<0.01							
1/19/2017			<0.01					
1/20/2017							<0.01	
1/23/2017					<0.01			
3/28/2017	<0.01		<0.01					
3/29/2017					<0.01		<0.01	
9/22/2017	<0.01							
9/26/2017			<0.01					
9/27/2017					<0.01		<0.01	
3/15/2018	<0.01		<0.01		<0.01		<0.01	
9/12/2018	<0.01		<0.01					
9/13/2018					<0.01		<0.01	
3/13/2019		<0.01						
3/14/2019				<0.01		<0.01		<0.01

Within Limit

Prediction Limit  
Intrawell Non-parametric

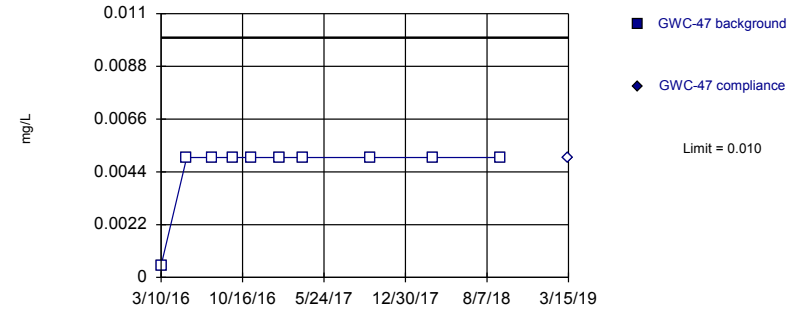


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

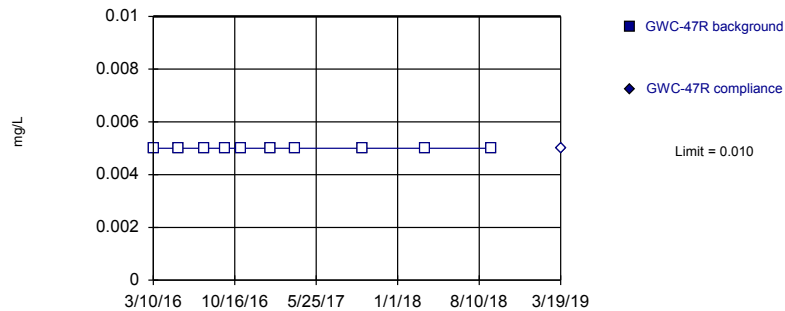


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

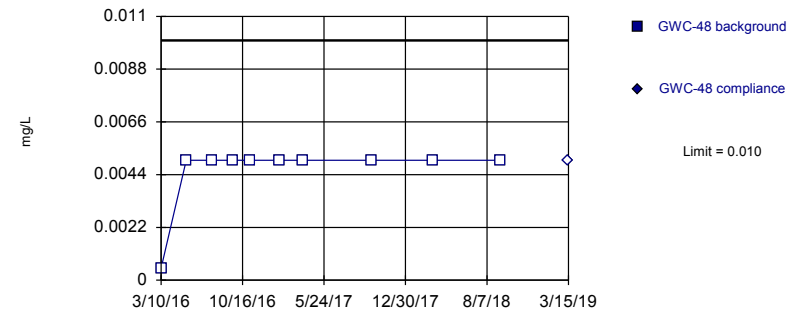


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

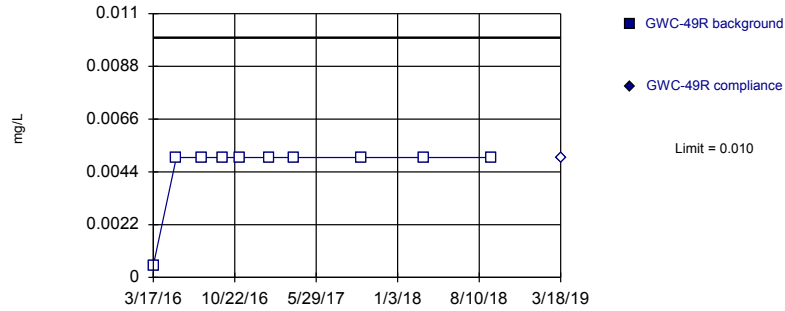
# Prediction Limit

Constituent: Vanadium Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-46R	GWC-46R	GWC-47	GWC-47	GWC-47R	GWC-47R	GWC-48	GWC-48
3/10/2016	<0.001		<0.001		<0.01		<0.001	
5/17/2016	<0.01						<0.01	
5/18/2016			<0.01		<0.01			
7/26/2016	<0.01							
7/27/2016			<0.01		<0.01		<0.01	
9/20/2016	<0.01		<0.01		<0.01		<0.01	
11/4/2016	<0.01				<0.01		<0.01	
11/7/2016			<0.01					
1/20/2017	<0.01				<0.01			
1/23/2017			<0.01				<0.01	
3/28/2017	<0.01						<0.01	
3/29/2017			<0.01		<0.01			
9/27/2017			<0.01		<0.01			
9/29/2017	<0.01						<0.01	
3/15/2018	<0.01		<0.01				<0.01	
3/16/2018					<0.01			
9/13/2018	<0.01		<0.01		<0.01		<0.01	
3/15/2019				<0.01				<0.01
3/18/2019		<0.01						
3/19/2019						<0.01		

Within Limit

Prediction Limit  
Intrawell Non-parametric

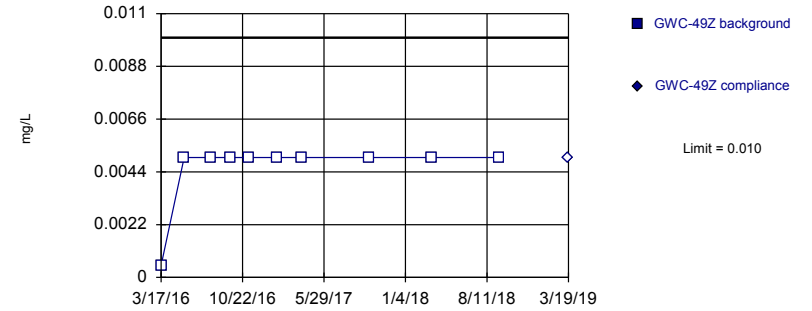


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

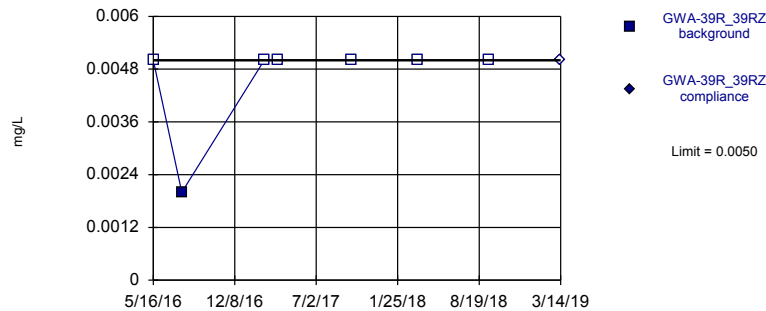


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

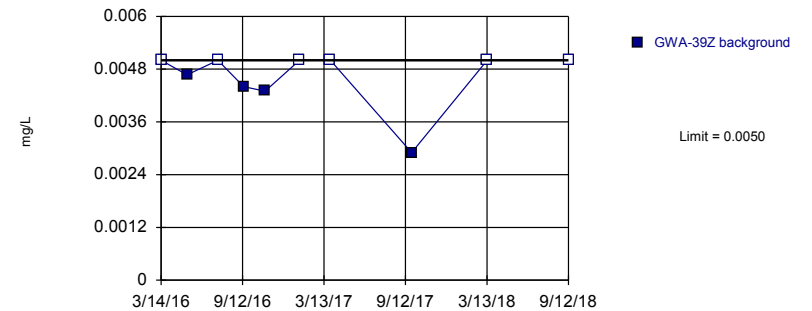


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Constituent: Vanadium Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric, GWA-39Z (bg)



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3). Assumes 1 future value.

Constituent: Zinc Analysis Run 8/26/2019 10:24 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

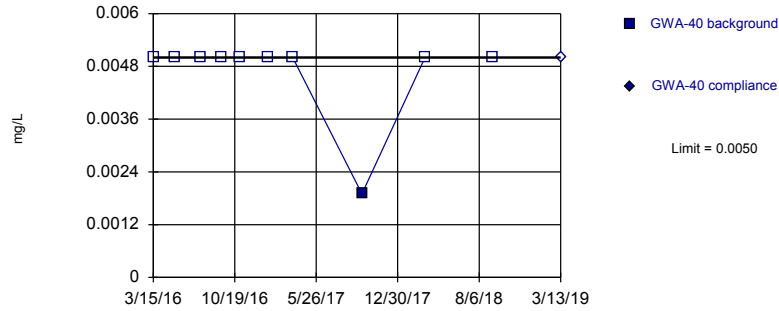
Constituent: Vanadium, Zinc Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-49R	GWC-49R	GWC-49Z	GWC-49Z	GWA-39R_39RZ	GWA-39R_39RZ	GWA-39Z
3/14/2016							<0.01
3/17/2016	<0.001		<0.001				
5/11/2016							0.00467 (J)
5/16/2016					<0.01 (D)		
5/18/2016	<0.01		<0.01				
7/19/2016							<0.01 (*)
7/27/2016	<0.01				0.002 (JD)		
7/28/2016			<0.01				
9/15/2016							0.0044 (J)
9/21/2016	<0.01		<0.01				
11/2/2016							0.0043 (J)
11/4/2016	<0.01						
11/7/2016			<0.01				
1/18/2017							<0.01 (*)
1/24/2017	<0.01		<0.01				
2/21/2017					<0.01		
3/27/2017					<0.01 (D)		
3/28/2017							<0.01 (*)
3/29/2017	<0.01						
3/30/2017			<0.01				
9/26/2017							0.0029 (J)
9/29/2017	<0.01		<0.01		<0.01 (D)		
3/14/2018							<0.01
3/15/2018	<0.01		<0.01				
3/16/2018					<0.01		
9/12/2018							<0.01
9/13/2018	<0.01						
9/14/2018			<0.01		<0.01		
3/14/2019						<0.01	
3/18/2019		<0.01					
3/19/2019				<0.01			



Within Limit

Prediction Limit  
Intrawell Non-parametric

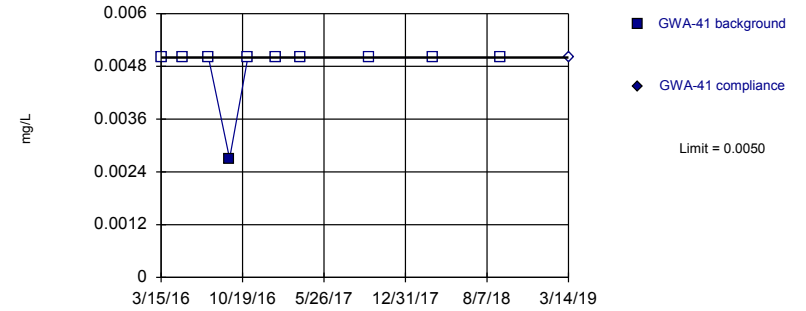


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

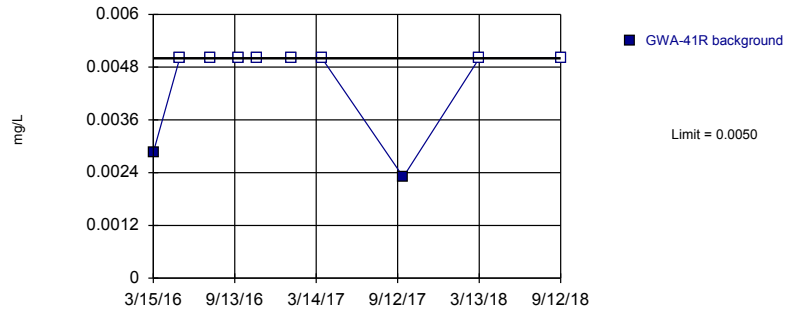
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Non-parametric, GWA-41R (bg)

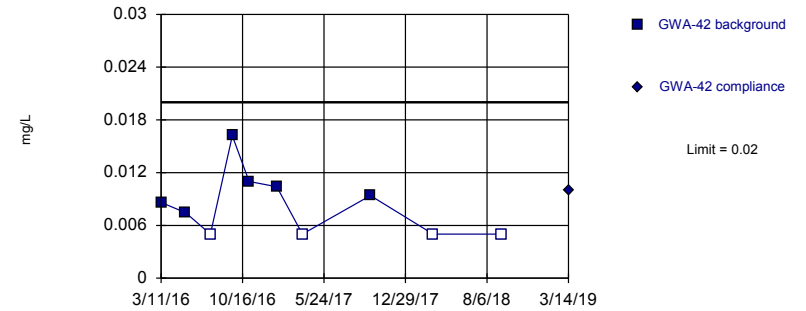


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3). Assumes 1 future value.

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (after Aitchison's Adjustment): Mean=0.006306, Std. Dev.=0.005887, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8595, critical = 0.781. Kappa = 2.251 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

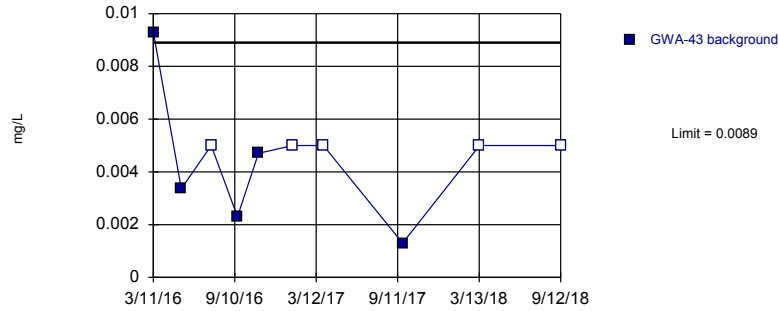
Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

Constituent: Zinc Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-40	GWA-40	GWA-41	GWA-41	GWA-41R	GWA-42	GWA-42
3/11/2016						0.00862 (J)	
3/15/2016	<0.01		<0.01		0.00286 (J)		
5/11/2016	<0.01						
5/12/2016			<0.01				
5/13/2016					<0.01		
5/16/2016						0.00744 (J)	
7/20/2016			<0.01				
7/21/2016	<0.01 (*)				<0.01 (*)		
7/22/2016						<0.01 (*)	
9/15/2016	<0.01		0.0027 (J)				
9/19/2016						0.0162	
9/21/2016					<0.01		
11/3/2016	<0.01		<0.01		<0.01	0.011	
1/17/2017	<0.01				<0.01	0.0104	
1/18/2017			<0.01 (*)				
3/24/2017	<0.01 (*)		<0.01 (*)				
3/27/2017					<0.01 (*)	<0.01 (*)	
9/25/2017			<0.01		0.0023 (J)		
9/26/2017	0.0019 (J)					0.0094 (J)	
3/14/2018	<0.01		<0.01		<0.01	<0.01	
9/12/2018	<0.01		<0.01		<0.01		
9/14/2018						<0.01	
3/13/2019		<0.01					
3/14/2019				<0.01			0.01

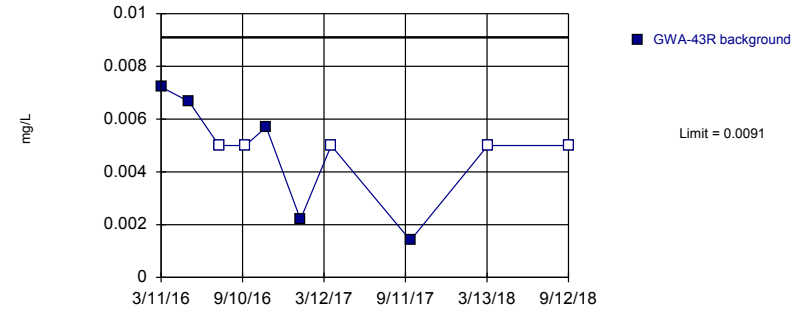
Prediction Limit  
Intrawell Parametric, GWA-43 (bg)



Background Data Summary (after Aitchison's Adjustment): Mean=0.002096, Std. Dev.=0.003035, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8476, critical = 0.781. Kappa = 2.251 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

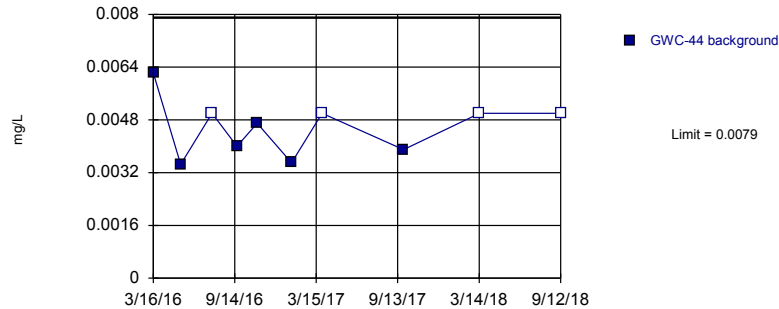
Prediction Limit  
Intrawell Parametric, GWA-43R (bg)



Background Data Summary (after Aitchison's Adjustment): Mean=0.002318, Std. Dev.=0.003019, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8581, critical = 0.781. Kappa = 2.251 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

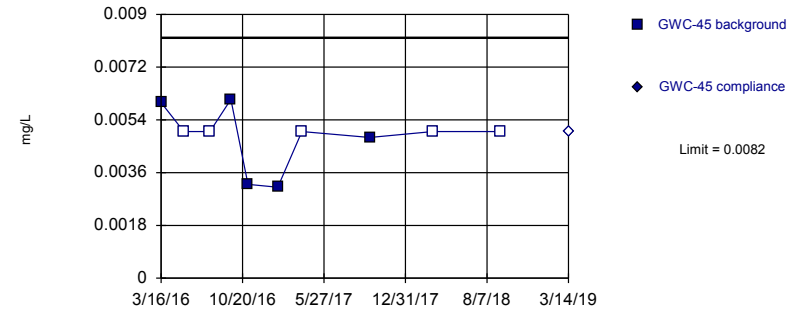
Prediction Limit  
Intrawell Parametric, GWC-44



Background Data Summary (after Aitchison's Adjustment): Mean=0.002577, Std. Dev.=0.002351, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9048, critical = 0.781. Kappa = 2.251 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit  
Prediction Limit  
Intrawell Parametric



Background Data Summary (after Aitchison's Adjustment): Mean=0.002319, Std. Dev.=0.002629, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8223, critical = 0.781. Kappa = 2.251 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

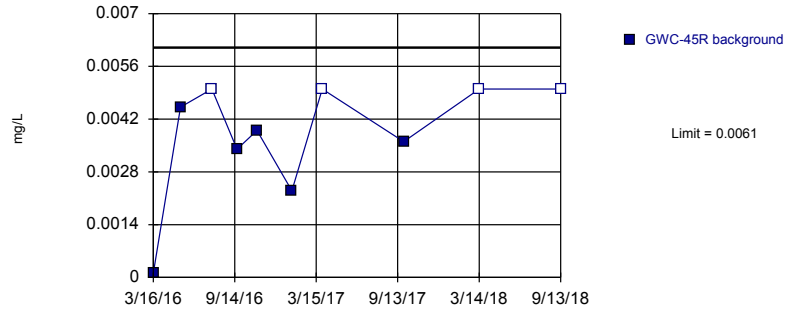
Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

Constituent: Zinc Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-43	GWA-43R	GWC-44	GWC-45	GWC-45
3/11/2016	0.0093 (J)	0.00722 (J)			
3/16/2016			0.00622 (J)	0.00599 (J)	
5/13/2016	0.00336 (J)	0.00666 (J)			
5/16/2016			0.00345 (J)	<0.01	
7/19/2016	<0.01 (*)	<0.01 (*)			
7/25/2016			<0.01 (*)	<0.01 (*)	
9/16/2016	0.0023 (J)	<0.01			
9/19/2016			0.004 (J)	0.0061 (J)	
11/2/2016	0.0047 (J)	0.0057 (J)			
11/3/2016			0.0047 (J)		
11/4/2016				0.0032 (J)	
1/18/2017	<0.01	0.0022 (J)			
1/19/2017			0.0035 (J)		
1/23/2017				0.0031 (J)	
3/28/2017	<0.01 (*)	<0.01	<0.01 (*)		
3/29/2017				<0.01 (*)	
9/22/2017	0.0013 (J)	0.0014 (J)			
9/26/2017			0.0039 (J)		
9/27/2017				0.0048 (J)	
3/14/2018	<0.01				
3/15/2018		<0.01	<0.01	<0.01	
9/12/2018	<0.01	<0.01	<0.01		
9/13/2018				<0.01	
3/14/2019					<0.01

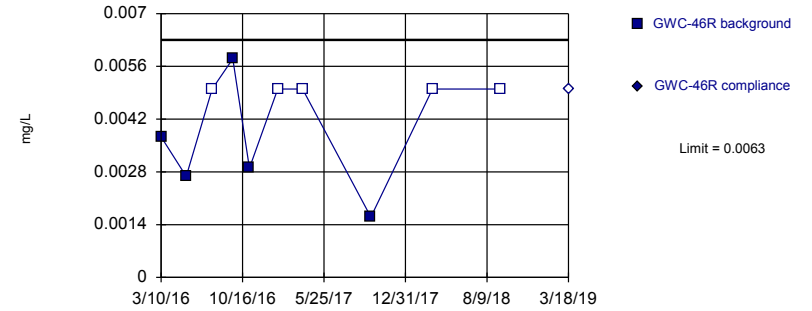
Prediction Limit  
Intrawell Parametric, GWC-45R



Background Data Summary (after Aitchison's Adjustment): Mean=0.001783, Std. Dev.=0.001934, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.802, critical = 0.781. Kappa = 2.251 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit  
Prediction Limit  
Intrawell Parametric

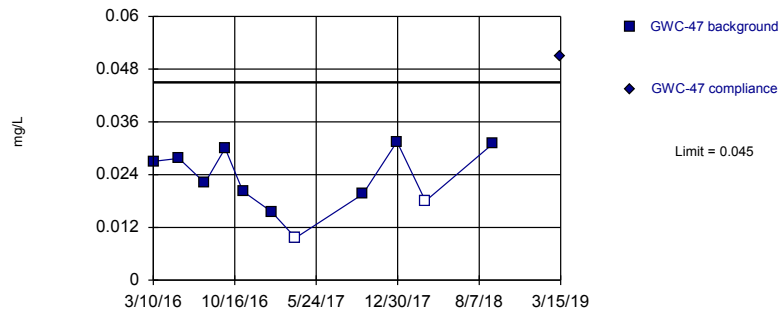


Background Data Summary (after Aitchison's Adjustment): Mean=0.001671, Std. Dev.=0.002049, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8534, critical = 0.781. Kappa = 2.251 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

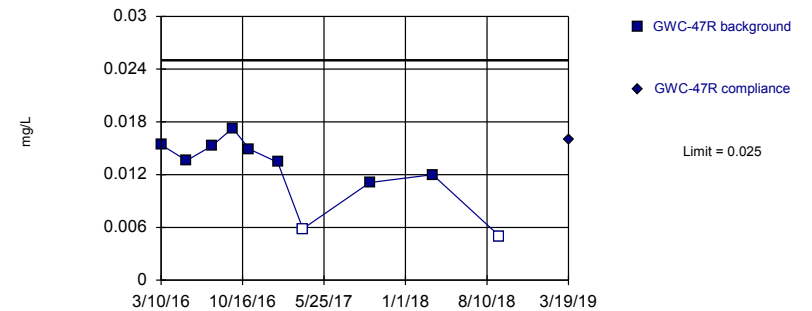


Background Data Summary (after Aitchison's Adjustment): Mean=0.02043, Std. Dev.=0.01133, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9376, critical = 0.792. Kappa = 2.162 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

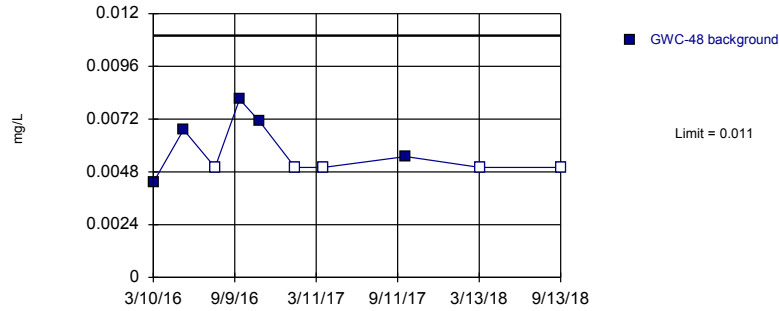


Background Data Summary (after Aitchison's Adjustment): Mean=0.0113, Std. Dev.=0.006213, n=10, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8784, critical = 0.781. Kappa = 2.251 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658.

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



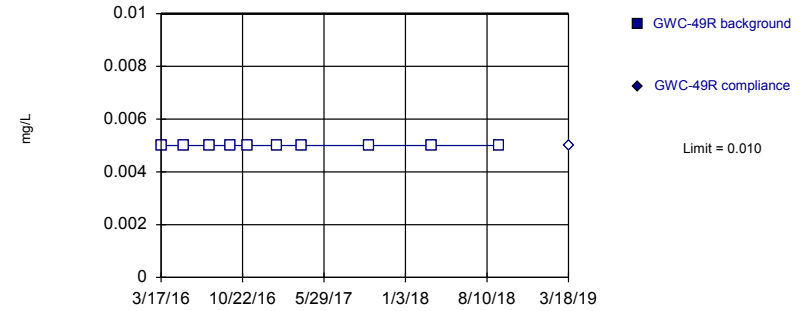
Prediction Limit  
Intrawell Parametric, GWC-48



Background Data Summary (after Aitchison's Adjustment): Mean=0.003174, Std. Dev.=0.003486, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8232, critical = 0.781. Kappa = 2.251 (c=16, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003658. Assumes 1 future value.

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

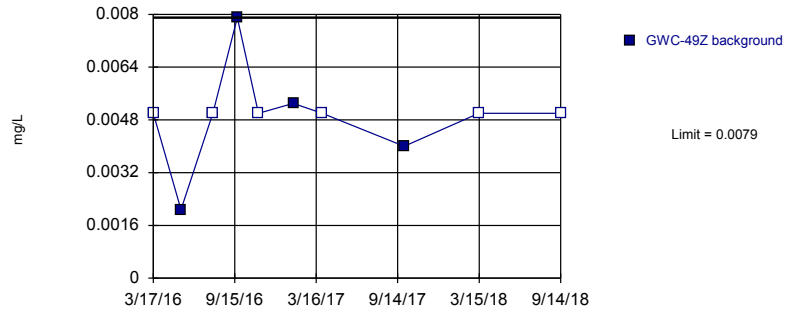
Within Limit  
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

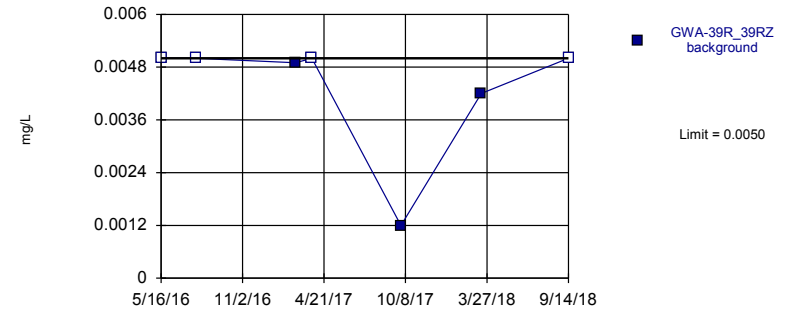
Prediction Limit  
Intrawell Non-parametric, GWC-49Z



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3). Assumes 1 future value.

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Prediction Limit  
Intrawell Non-parametric, GWA-39R\_39RZ (bg)



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3). Assumes 1 future value.

Constituent: Zinc Analysis Run 8/26/2019 10:25 AM View: cell 9&10 OB&BR metals  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

Constituent: Zinc Analysis Run 8/26/2019 10:28 AM View: cell 9&10 OB&BR metals  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-48	GWC-49R	GWC-49R	GWC-49Z	GWA-39R_39RZ
3/10/2016	0.00432 (J)				
3/17/2016		<0.01		<0.01	
5/16/2016					<0.01 (D)
5/17/2016	0.00672 (J)				
5/18/2016		<0.01		0.00208 (J)	
7/27/2016	<0.01 (*)	<0.01 (*)			<0.01 (*)
7/28/2016				<0.01 (*)	
9/20/2016	0.0081 (J)				
9/21/2016		<0.01		0.0079 (J)	
11/4/2016	0.0071 (J)	<0.01			
11/7/2016				<0.01 (*)	
1/23/2017	<0.01				
1/24/2017		<0.01		0.0053 (J)	
2/21/2017					0.0049 (J)
3/27/2017					<0.01 (*)
3/28/2017	<0.01 (*)				
3/29/2017		<0.01 (*)			
3/30/2017				<0.01 (*)	
9/29/2017	0.0055 (J)	<0.01		0.004 (J)	0.0012 (JD)
3/15/2018	<0.01	<0.01		<0.01	
3/16/2018					0.0042 (J)
9/13/2018	<0.01	<0.01			
9/14/2018				<0.01	<0.01
3/18/2019			<0.01		



# Interwell Prediction Limits AppIII - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR Printed 8/28/2019, 1:11 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
pH (pH units)	GWC-44	7.9	5.6	3/14/2019	4.41	Yes	101	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-45	7.9	5.6	3/14/2019	5.01	Yes	101	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-47R	7.9	5.6	3/19/2019	7.93	Yes	101	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-48	7.9	5.6	3/15/2019	5.28	Yes	101	0	n/a	0.000...	NP (normality) 1 of 2

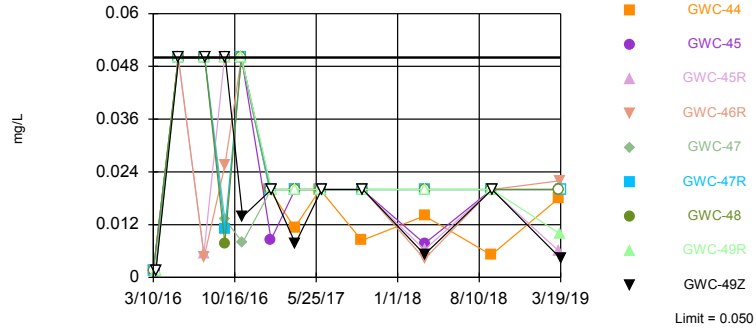
# Interwell Prediction Limits AppIII - All Results

Plant Bowen    Client: Southern Company    Data: Bowen 9&10 CCR    Printed 8/28/2019, 1:11 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Boron (mg/L)	GWC-44	0.050	n/a	3/14/2019	0.018	No	96	66.67	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-45	0.050	n/a	3/14/2019	0.02ND	No	96	66.67	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-45R	0.050	n/a	3/14/2019	0.006	No	96	66.67	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-46R	0.050	n/a	3/18/2019	0.022	No	96	66.67	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-47	0.050	n/a	3/15/2019	0.02ND	No	96	66.67	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-47R	0.050	n/a	3/19/2019	0.02ND	No	96	66.67	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-48	0.050	n/a	3/15/2019	0.02ND	No	96	66.67	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-49R	0.050	n/a	3/18/2019	0.0099	No	96	66.67	n/a	0.000...	NP (NDs) 1 of 2
Boron (mg/L)	GWC-49Z	0.050	n/a	3/19/2019	0.0043	No	96	66.67	n/a	0.000...	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-44	0.27	n/a	3/14/2019	0.13	No	96	48.96	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-45	0.27	n/a	3/14/2019	0.15ND	No	96	48.96	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-45R	0.27	n/a	3/14/2019	0.039	No	96	48.96	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-46R	0.27	n/a	3/18/2019	0.15ND	No	96	48.96	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-47	0.27	n/a	3/15/2019	0.15ND	No	96	48.96	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-47R	0.27	n/a	3/19/2019	0.15ND	No	96	48.96	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-48	0.27	n/a	3/15/2019	0.15ND	No	96	48.96	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-49R	0.27	n/a	3/18/2019	0.15ND	No	96	48.96	n/a	0.000...	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-49Z	0.27	n/a	3/19/2019	0.15ND	No	96	48.96	n/a	0.000...	NP (normality) 1 of 2
<b>pH (pH units)</b>	<b>GWC-44</b>	<b>7.9</b>	<b>5.6</b>	<b>3/14/2019</b>	<b>4.41</b>	<b>Yes</b>	<b>101</b>	<b>0</b>	<b>n/a</b>	<b>0.000...</b>	NP (normality) 1 of 2
<b>pH (pH units)</b>	<b>GWC-45</b>	<b>7.9</b>	<b>5.6</b>	<b>3/14/2019</b>	<b>5.01</b>	<b>Yes</b>	<b>101</b>	<b>0</b>	<b>n/a</b>	<b>0.000...</b>	NP (normality) 1 of 2
pH (pH units)	GWC-45R	7.9	5.6	3/14/2019	7.14	No	101	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-46R	7.9	5.6	3/18/2019	7.39	No	101	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-47	7.9	5.6	3/15/2019	7.45	No	101	0	n/a	0.000...	NP (normality) 1 of 2
<b>pH (pH units)</b>	<b>GWC-47R</b>	<b>7.9</b>	<b>5.6</b>	<b>3/19/2019</b>	<b>7.93</b>	<b>Yes</b>	<b>101</b>	<b>0</b>	<b>n/a</b>	<b>0.000...</b>	NP (normality) 1 of 2
<b>pH (pH units)</b>	<b>GWC-48</b>	<b>7.9</b>	<b>5.6</b>	<b>3/15/2019</b>	<b>5.28</b>	<b>Yes</b>	<b>101</b>	<b>0</b>	<b>n/a</b>	<b>0.000...</b>	NP (normality) 1 of 2
pH (pH units)	GWC-49R	7.9	5.6	3/18/2019	7.89	No	101	0	n/a	0.000...	NP (normality) 1 of 2
pH (pH units)	GWC-49Z	7.9	5.6	3/19/2019	5.6	No	101	0	n/a	0.000...	NP (normality) 1 of 2

Within Limit

Prediction Limit  
Interwell Non-parametric

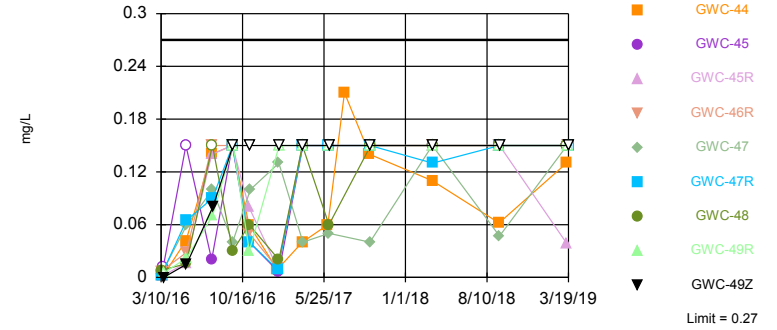


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 96 background values. 66.67% NDs. Annual per-constituent alpha = 0.003776. Individual comparison alpha = 0.0002102 (1 of 2). Comparing 9 points to limit.

Constituent: Boron Analysis Run 8/28/2019 1:10 PM View: cells9&10\_AppIII\_interwell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Interwell Non-parametric

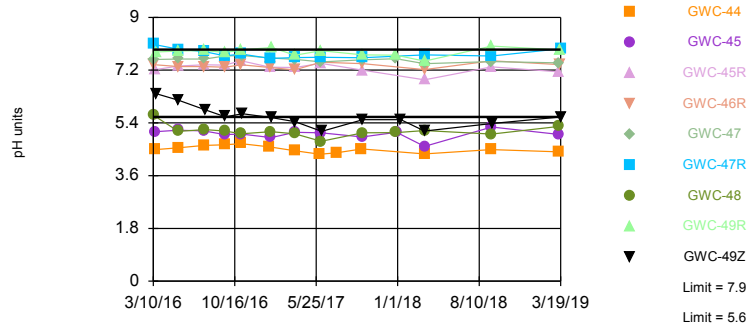


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 96 background values. 48.96% NDs. Annual per-constituent alpha = 0.003776. Individual comparison alpha = 0.0002102 (1 of 2). Comparing 9 points to limit.

Constituent: Fluoride Analysis Run 8/28/2019 1:10 PM View: cells9&10\_AppIII\_interwell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Exceeds Limits: GWC-44, GWC-45, GWC-47R, GWC-48

Prediction Limit  
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 101 background values. Annual per-constituent alpha = 0.006818. Individual comparison alpha = 0.0003794 (1 of 2). Comparing 9 points to limit.

Constituent: pH Analysis Run 8/28/2019 1:10 PM View: cells9&10\_AppIII\_interwell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR





# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/28/2019 1:11 PM View: cells9&10\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-41R (bg)	GWA-40 (bg)	GWC-45	GWC-45R	GWC-44	GWC-49Z	GWC-49R	GWA-39R_39RZ ...
3/10/2016								
3/11/2016								
3/14/2016								
3/15/2016	<0.003	<0.003						
3/16/2016			<0.003	<0.003	<0.003			
3/17/2016						<0.003	<0.003	
5/11/2016		<0.1						
5/12/2016								
5/13/2016	<0.1							
5/16/2016			<0.1	<0.1	<0.1			<0.1 (D)
5/17/2016								
5/18/2016						<0.1	<0.1	
7/19/2016								
7/20/2016								
7/21/2016	<0.1 (*)	<0.1						
7/22/2016								
7/25/2016			<0.1	0.0054 (J)	<0.1			
7/26/2016								
7/27/2016							<0.1 (*)	<0.1 (*)
7/28/2016						<0.1 (*)		
9/15/2016		<0.1						
9/16/2016								
9/19/2016			<0.1	<0.1	<0.1			
9/20/2016								
9/21/2016	<0.1 (*)					<0.1 (*)	<0.1 (*)	
11/2/2016								
11/3/2016	<0.1	<0.1 (*)		<0.1	<0.1			
11/4/2016			<0.1				<0.1	
11/7/2016						0.0138 (J)		
1/17/2017	<0.04	<0.04						
1/18/2017								
1/19/2017					<0.04			
1/20/2017				<0.04				
1/23/2017			0.0086 (J)					
1/24/2017						<0.04	<0.04	
2/21/2017								0.0218 (JD)
3/24/2017		<0.04						
3/27/2017	0.0173 (J)							0.0262 (JD)
3/28/2017					0.0113 (J)			
3/29/2017			<0.04	<0.04			<0.04	
3/30/2017						0.0077 (J)		
5/24/2017		<0.04						
6/5/2017					<0.04 (*)			
6/6/2017	<0.04 (*)							
6/7/2017			<0.04 (*)	<0.04 (*)				
6/8/2017							<0.04	0.0067 (JD)
6/9/2017						<0.04		
7/17/2017								0.0165 (JD)
7/27/2017								0.0138 (JD)
8/9/2017								0.0069 (JD)
9/22/2017								
9/25/2017	0.0141 (J)							

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/28/2019 1:11 PM View: cells9&10\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-41R (bg)	GWA-40 (bg)	GWC-45	GWC-45R	GWC-44	GWC-49Z	GWC-49R	GWA-39R_39RZ ...
9/26/2017		0.0075 (J)			0.0084 (J)			
9/27/2017			<0.04	<0.04				
9/29/2017						<0.04	<0.04	0.0066 (JD)
3/14/2018	0.014 (J)	0.0093 (J)						
3/15/2018			0.0077 (J)	0.0063 (J)	0.014 (J)	0.0052 (J)	<0.04	
3/16/2018								0.0067 (J)
9/12/2018	0.013 (J)	<0.04			0.0051 (J)			
9/13/2018			<0.04	<0.04			<0.04	
9/14/2018						<0.04		0.0059 (J)
3/13/2019		<0.04						
3/14/2019	0.015 (X)		<0.04	0.006 (X)	0.018 (X)			0.0059 (X)
3/15/2019								
3/18/2019							0.0099 (X)	
3/19/2019						0.0043 (X)		

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/28/2019 1:11 PM View: cells9&10\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-47R	GWC-46R	GWC-47	GWC-48	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)
3/10/2016	0.00202 (J)	0.00697 (J)	0.00337 (J)	0.00797 (J)					
3/11/2016					0.0141 (J)	0.0329 (J)	0.0296 (J)		
3/14/2016								0.0657 (J)	
3/15/2016									0.0394 (J)
3/16/2016									
3/17/2016									
5/11/2016								0.0401 (J)	
5/12/2016									
5/13/2016					0.0141 (J)	0.0459 (J)			0.0234 (J)
5/16/2016							0.0287 (J)		
5/17/2016		0.0281 (J)		0.0156 (J)					
5/18/2016	0.065 (J)		0.059 (J)						
7/19/2016					<0.3	<0.3		<0.3	
7/20/2016									
7/21/2016									<0.3
7/22/2016							0.04 (J)		
7/25/2016									
7/26/2016		<0.3							
7/27/2016	0.09 (J)		0.1 (J)	<0.3					
7/28/2016									
9/15/2016								<0.3	
9/16/2016					<0.3	<0.3			
9/19/2016							<0.3		
9/20/2016	<0.3	<0.3	0.04 (J)	0.03 (J)					
9/21/2016									<0.3
11/2/2016					0.04 (J)	0.04 (J)		0.04 (J)	
11/3/2016							0.04 (J)		0.12 (J)
11/4/2016	0.04 (J)	0.05 (J)		0.06 (J)					
11/7/2016			0.1 (J)						
1/17/2017							0.02 (J)		0.01 (J)
1/18/2017					0.02 (J)	<0.3		0.03 (J)	
1/19/2017									
1/20/2017	0.009 (J)	0.01 (J)							
1/23/2017			0.13 (J)	0.02 (J)					
1/24/2017									
2/21/2017									
3/24/2017									
3/27/2017							<0.3		<0.3
3/28/2017		<0.3		<0.3	<0.3	<0.3		0.06 (J)	
3/29/2017	<0.3		0.04 (J)						
3/30/2017									
5/24/2017									
6/5/2017									
6/6/2017					<0.3	<0.3			<0.3
6/7/2017		<0.3					<0.3	0.06 (J)	
6/8/2017	<0.3 (*)		0.05 (J)	0.06 (J)					
6/9/2017									
7/17/2017									
7/20/2017									
7/27/2017									
8/9/2017									
9/22/2017					<0.3	<0.3			







# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/28/2019 1:11 PM View: cells9&10\_AppIII\_interwell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWC-44	GWC-45	GWC-49Z	GWC-49R	GWA-39R_39RZ ...
9/25/2017	<0.3							
9/26/2017		<0.3		0.14 (J)				
9/27/2017			<0.3		<0.3			
9/29/2017						<0.3	<0.3	0.04 (JD)
3/14/2018	<0.3	0.055 (J)						
3/15/2018			<0.3	0.11 (J)	<0.3	<0.3	<0.3	
3/16/2018								0.27 (J)
9/12/2018	<0.3	<0.3		0.062 (J)				
9/13/2018			<0.3		<0.3		<0.3	
9/14/2018						<0.3		0.1 (J)
3/13/2019		0.045 (X)						
3/14/2019	0.039 (X)		0.039 (X)	0.13 (X)	<0.3			0.066 (X)
3/15/2019								
3/18/2019							<0.3	
3/19/2019						<0.3		



# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 1:11 PM View: cells9&10\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)
8/9/2017									
9/22/2017					7.8	5.77			
9/25/2017									6.88
9/26/2017							7.59	7.05	
9/27/2017		7.55	7.62						
9/29/2017	7.42			5.06					
12/28/2017		7.59 (Y)		5.07 (Y)	7.78 (Y)			6.79 (Y)	
12/29/2017									
1/10/2018									
3/14/2018						5.85	7.6	7.42	7.04
3/15/2018	7.22	7.42		5.14	7.66				
3/16/2018			7.72						
9/12/2018					7.75	5.65		6.86	7.02
9/13/2018	7.52	7.49	7.68	5.02					
9/14/2018							7.37		
3/13/2019					7.84	5.63			
3/14/2019							7.57		6.93
3/15/2019		7.45		5.28				6.78	
3/18/2019	7.39								
3/19/2019			7.93						



# Prediction Limit

Constituent: pH (pH units) Analysis Run 8/28/2019 1:11 PM View: cells9&10\_AppIII\_interwell  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-41 (bg)	GWA-40 (bg)	GWC-44	GWC-45	GWC-45R	GWC-49Z	GWC-49R	GWA-39R_39RZ ...
8/9/2017								7.73
9/22/2017								
9/25/2017	6.63							
9/26/2017		7.66	4.51					
9/27/2017				4.92	7.2			
9/29/2017						5.51	7.72	7.7 (D)
12/28/2017		7.34 (Y)					7.71 (Y)	
12/29/2017				5.08 (Y)				
1/10/2018						5.51 (Y)		
3/14/2018	7.08	7.56						
3/15/2018			4.34	4.6	6.87	5.12	7.51	
3/16/2018								7.49
9/12/2018	6.54	7.12	4.49					
9/13/2018				5.26	7.31		8.02	
9/14/2018						5.38		7.32
3/13/2019		7.12						
3/14/2019	6.58		4.41	5.01	7.14			7.46
3/15/2019								
3/18/2019							7.89	
3/19/2019						5.6		

# Intrawell Prediction Limits AppIII - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR Printed 8/28/2019, 1:16 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	GWC-44	10	n/a	3/14/2019	17.2	Yes	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-49R	30	n/a	3/18/2019	31	Yes	8	0	No	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-45R	3.3	n/a	3/14/2019	4.3	Yes	8	0	No	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-48	3	n/a	3/15/2019	3.3	Yes	8	0	No	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-49R	1.8	n/a	3/18/2019	2.7	Yes	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-44	49	n/a	3/14/2019	79.7	Yes	9	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-45R	3.4	n/a	3/14/2019	4.3	Yes	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-47R	11	n/a	3/19/2019	14.8	Yes	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-49R	3.7	n/a	3/18/2019	5.8	Yes	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-45	31	n/a	3/14/2019	39	Yes	8	37.5	No	0.000...	Param 1 of 3



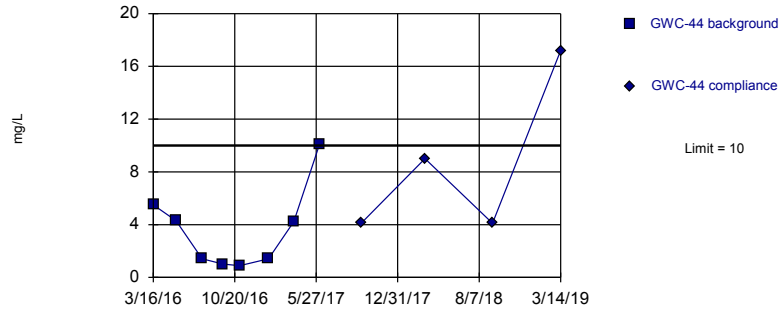
# Intrawell Prediction Limits AppIII - All Results

Plant Bowen    Client: Southern Company    Data: Bowen 9&10 CCR    Printed 8/28/2019, 1:16 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
<b>Calcium (mg/L)</b>	<b>GWC-44</b>	<b>10</b>	<b>n/a</b>	<b>3/14/2019</b>	<b>17.2</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Calcium (mg/L)	GWC-45	0.95	n/a	3/14/2019	0.9	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-45R	40	n/a	3/14/2019	37	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-46R	55	n/a	3/18/2019	46.1	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-47	31	n/a	3/15/2019	20.4	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-47R	38	n/a	3/19/2019	28.4	No	8	0	No	0.000...	Param 1 of 3
Calcium (mg/L)	GWC-48	12	n/a	3/15/2019	4.4	No	8	12.5	sqrt(x)	0.000...	Param 1 of 3
<b>Calcium (mg/L)</b>	<b>GWC-49R</b>	<b>30</b>	<b>n/a</b>	<b>3/18/2019</b>	<b>31</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Calcium (mg/L)	GWC-49Z	6.7	n/a	3/19/2019	1.1	No	8	0	No	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-44	9.7	n/a	3/14/2019	6.4	No	9	0	No	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-45	1.3	n/a	3/14/2019	0.65ND	No	8	0	No	0.000...	Param 1 of 3
<b>Chloride (mg/L)</b>	<b>GWC-45R</b>	<b>3.3</b>	<b>n/a</b>	<b>3/14/2019</b>	<b>4.3</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Chloride (mg/L)	GWC-46R	2.8	n/a	3/18/2019	1.8	No	8	0	No	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-47	2.9	n/a	3/15/2019	2.8	No	8	0	No	0.000...	Param 1 of 3
Chloride (mg/L)	GWC-47R	3	n/a	3/19/2019	2.6	No	8	0	No	0.000...	Param 1 of 3
<b>Chloride (mg/L)</b>	<b>GWC-48</b>	<b>3</b>	<b>n/a</b>	<b>3/15/2019</b>	<b>3.3</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
<b>Chloride (mg/L)</b>	<b>GWC-49R</b>	<b>1.8</b>	<b>n/a</b>	<b>3/18/2019</b>	<b>2.7</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Chloride (mg/L)	GWC-49Z	1.8	n/a	3/19/2019	0.55ND	No	8	12.5	No	0.000...	Param 1 of 3
<b>Sulfate (mg/L)</b>	<b>GWC-44</b>	<b>49</b>	<b>n/a</b>	<b>3/14/2019</b>	<b>79.7</b>	<b>Yes</b>	<b>9</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Sulfate (mg/L)	GWC-45	1.6	n/a	3/14/2019	0.72	No	8	12.5	No	0.000...	Param 1 of 3
<b>Sulfate (mg/L)</b>	<b>GWC-45R</b>	<b>3.4</b>	<b>n/a</b>	<b>3/14/2019</b>	<b>4.3</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Sulfate (mg/L)	GWC-46R	8.9	n/a	3/18/2019	4.4	No	8	0	No	0.000...	Param 1 of 3
Sulfate (mg/L)	GWC-47	5.6	n/a	3/15/2019	4.2	No	8	0	No	0.000...	Param 1 of 3
<b>Sulfate (mg/L)</b>	<b>GWC-47R</b>	<b>11</b>	<b>n/a</b>	<b>3/19/2019</b>	<b>14.8</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Sulfate (mg/L)	GWC-48	3.3	n/a	3/15/2019	1.7	No	8	12.5	No	0.000...	Param 1 of 3
<b>Sulfate (mg/L)</b>	<b>GWC-49R</b>	<b>3.7</b>	<b>n/a</b>	<b>3/18/2019</b>	<b>5.8</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Sulfate (mg/L)	GWC-49Z	9.9	n/a	3/19/2019	2.2	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-44	200	n/a	3/14/2019	110	No	9	22.22	sqrt(x)	0.000...	Param 1 of 3
<b>Total Dissolved Solids (mg/l)</b>	<b>GWC-45</b>	<b>31</b>	<b>n/a</b>	<b>3/14/2019</b>	<b>39</b>	<b>Yes</b>	<b>8</b>	<b>37.5</b>	<b>No</b>	<b>0.000...</b>	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-45R	210	n/a	3/14/2019	195	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-46R	280	n/a	3/18/2019	251	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-47	170	n/a	3/15/2019	125	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-47R	180	n/a	3/19/2019	154	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-48	90	n/a	3/15/2019	41	No	8	25	sqrt(x)	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-49R	190	n/a	3/18/2019	170	No	8	0	No	0.000...	Param 1 of 3
Total Dissolved Solids (mg/l)	GWC-49Z	81	n/a	3/19/2019	35	No	8	25	No	0.000...	Param 1 of 3

Exceeds Limit

Prediction Limit  
Intrawell Parametric

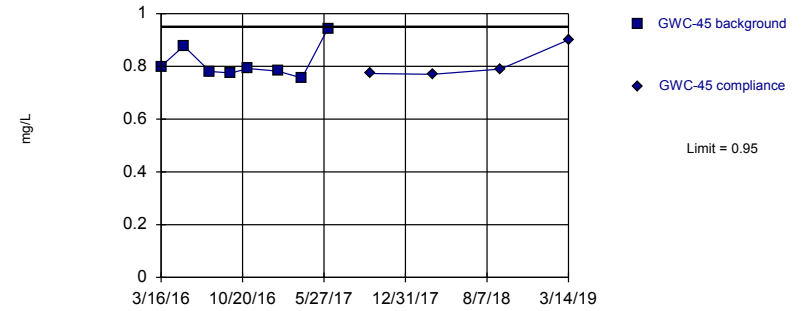


Background Data Summary: Mean=3.606, Std. Dev.=3.172, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8332, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 8/28/2019 1:12 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

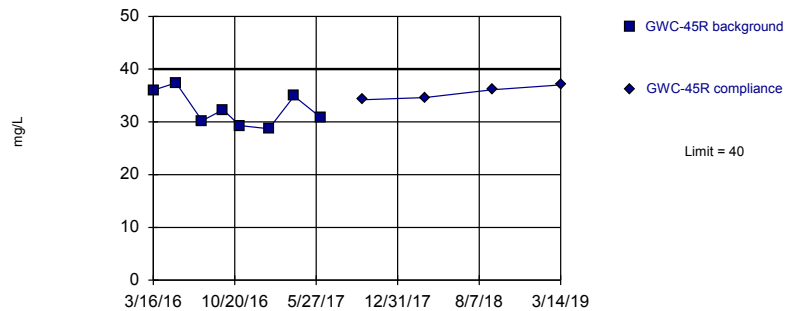


Background Data Summary: Mean=0.8134, Std. Dev.=0.06386, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7875, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 8/28/2019 1:12 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

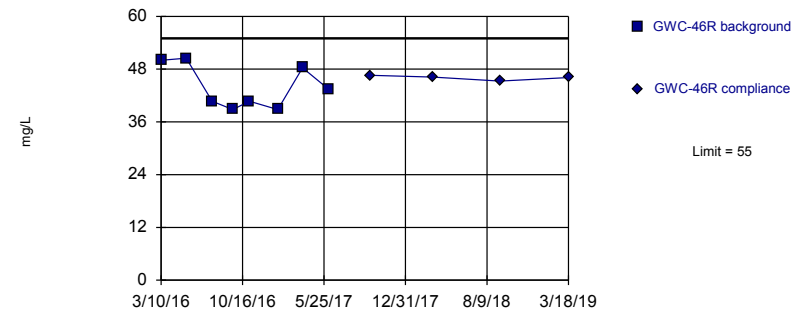


Background Data Summary: Mean=32.46, Std. Dev.=3.264, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9199, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 8/28/2019 1:12 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



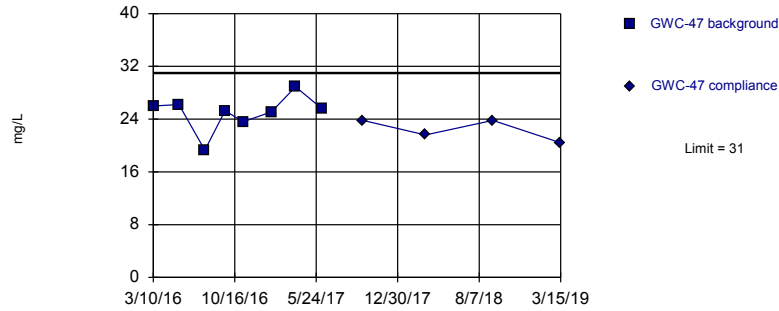
Background Data Summary: Mean=43.9, Std. Dev.=4.97, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.847, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 8/28/2019 1:12 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Within Limit

Prediction Limit  
Intrawell Parametric

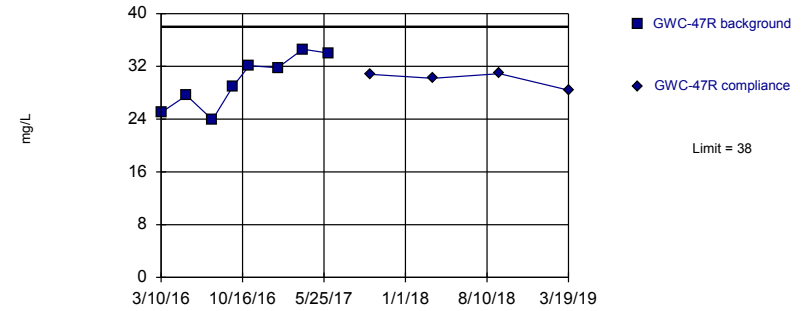


Background Data Summary: Mean=25, Std. Dev.=2.74, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8814, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 8/28/2019 1:12 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

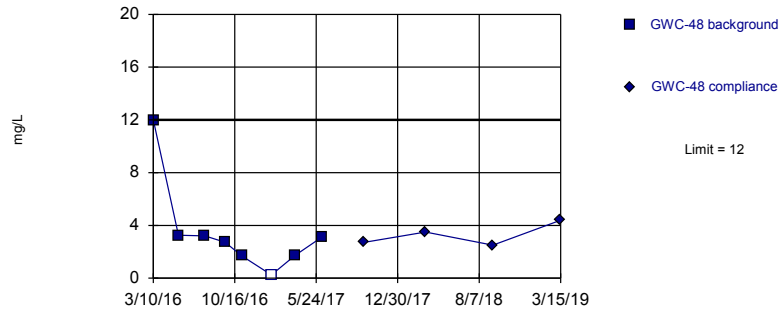


Background Data Summary: Mean=29.74, Std. Dev.=4.026, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9298, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 8/28/2019 1:12 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

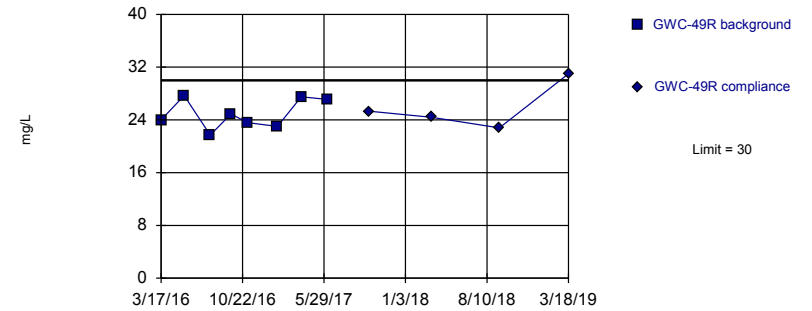


Background Data Summary (based on square root transformation): Mean=1.697, Std. Dev.=0.8356, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8535, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 8/28/2019 1:12 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=24.94, Std. Dev.=2.261, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.913, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 8/28/2019 1:12 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

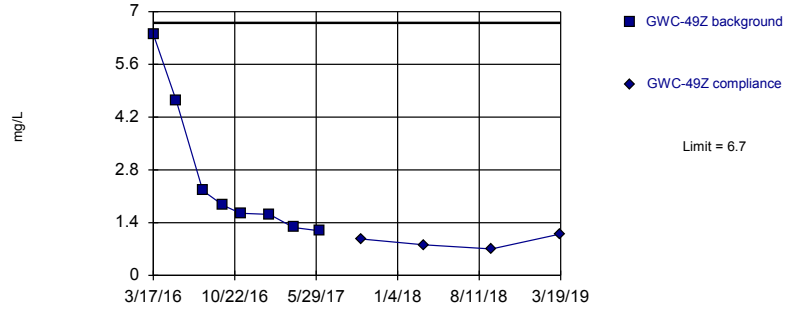
# Prediction Limit

Constituent: Calcium Analysis Run 8/28/2019 1:16 PM View: cells9&10\_AppIII\_intrawell  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-47	GWC-47	GWC-47R	GWC-47R	GWC-48	GWC-48	GWC-49R	GWC-49R
3/10/2016	26		25		12			
3/17/2016							24	
5/17/2016					3.25			
5/18/2016	26.2		27.6				27.7	
7/27/2016	19.3		23.9		3.2		21.7	
9/20/2016	25.3		28.9		2.72			
9/21/2016							24.9	
11/4/2016			32.1		1.69		23.6	
11/7/2016	23.6							
1/20/2017			31.8					
1/23/2017	25.1				<0.5			
1/24/2017							23	
3/28/2017					1.72			
3/29/2017	28.9		34.6				27.5	
6/8/2017	25.6		34		3.11		27.1	
9/27/2017		23.8		30.8				
9/29/2017						2.71		25.3
3/15/2018		21.6 (J)				3.5		24.4 (J)
3/16/2018				30.2				
9/13/2018		23.8 (J)		30.9		2.5		22.8 (J)
3/15/2019		20.4 (X)				4.4		
3/18/2019								31
3/19/2019				28.4				

Within Limit

Prediction Limit  
Intrawell Parametric

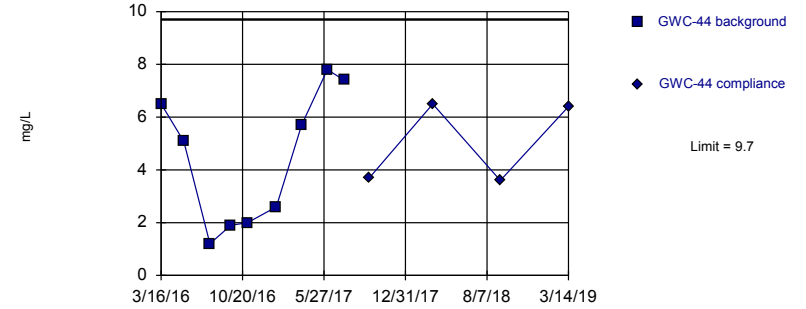


Background Data Summary: Mean=2.608, Std. Dev.=1.885, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7584, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 8/28/2019 1:12 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

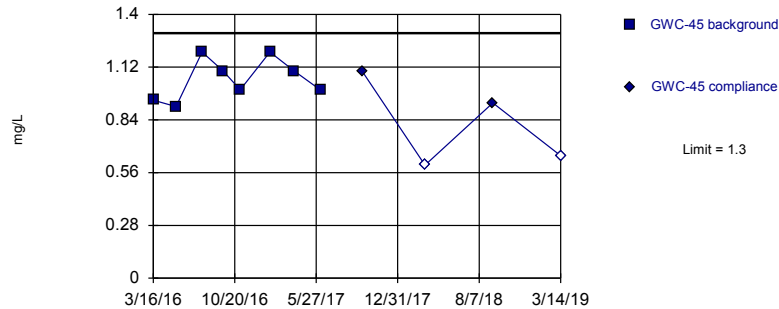


Background Data Summary: Mean=4.465, Std. Dev.=2.564, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8932, critical = 0.764. Kappa = 2.048 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

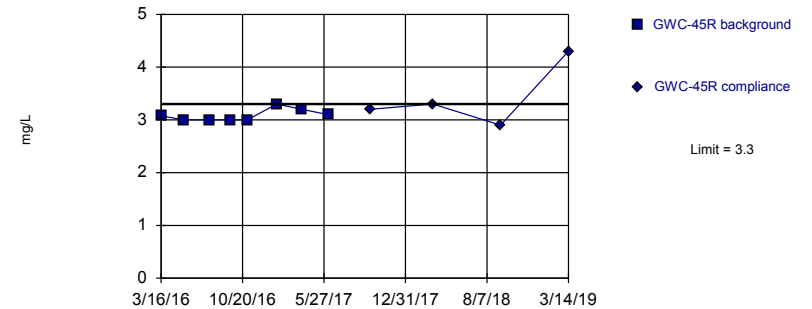


Background Data Summary: Mean=1.057, Std. Dev.=0.1104, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9141, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=3.085, Std. Dev.=0.1125, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.802, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

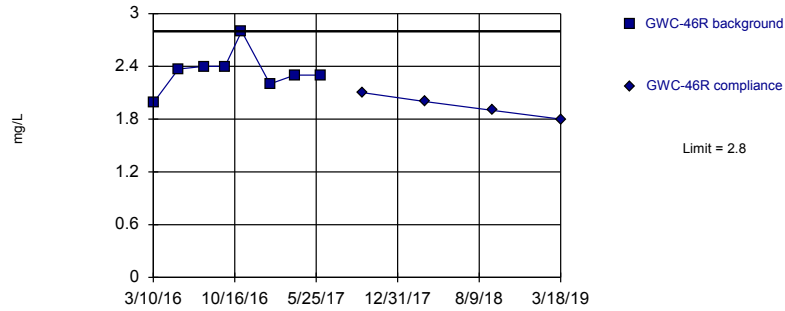
# Prediction Limit

Constituent: Calcium, Chloride Analysis Run 8/28/2019 1:16 PM View: cells9&10\_AppIII\_intrawell  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-49Z	GWC-49Z	GWC-44	GWC-44	GWC-45	GWC-45	GWC-45R	GWC-45R
3/16/2016			6.505		0.9445		3.0774	
3/17/2016	6.4							
5/16/2016			5.08		0.9104		3	
5/18/2016	4.63							
7/25/2016			1.2		1.2		3	
7/28/2016	2.25							
9/19/2016			1.9		1.1		3	
9/21/2016	1.86							
11/3/2016			2				3	
11/4/2016					1			
11/7/2016	1.65							
1/19/2017			2.6					
1/20/2017							3.3	
1/23/2017					1.2			
1/24/2017	1.62							
3/28/2017			5.7					
3/29/2017					1.1		3.2	
3/30/2017	1.27							
6/5/2017			7.8					
6/7/2017					1		3.1	
6/9/2017	1.18							
7/20/2017			7.4					
9/26/2017				3.7				
9/27/2017						1.1		3.2
9/29/2017		0.967						
3/15/2018		0.81		6.5		<1.2		3.3
9/12/2018				3.6				
9/13/2018						0.93		2.9
9/14/2018		0.7						
3/14/2019				6.4		<1.3		4.3
3/19/2019		1.1						

Within Limit

Prediction Limit  
Intrawell Parametric

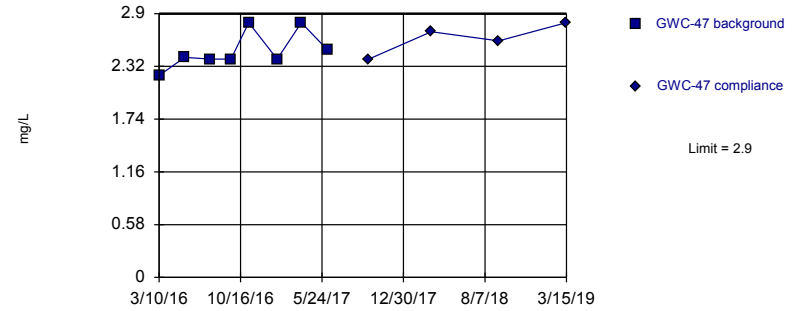


Background Data Summary: Mean=2.344, Std. Dev.=0.2292, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9064, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

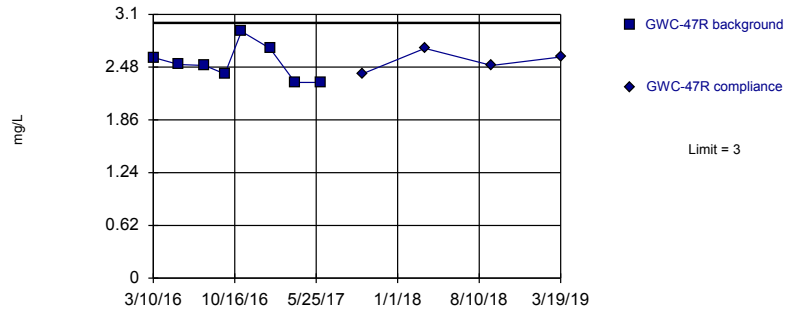


Background Data Summary: Mean=2.493, Std. Dev.=0.2049, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8359, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

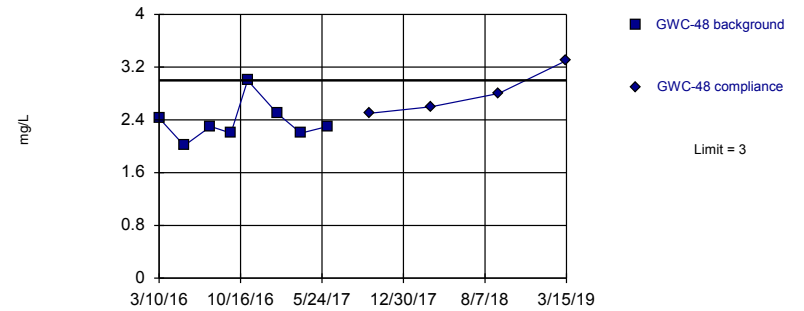


Background Data Summary: Mean=2.525, Std. Dev.=0.2048, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9349, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.367, Std. Dev.=0.2962, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8762, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



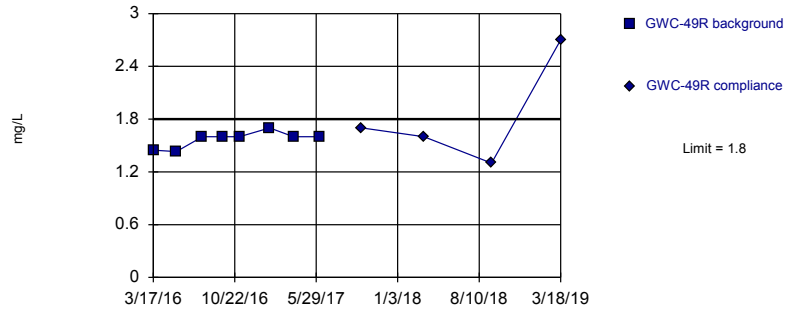
# Prediction Limit

Constituent: Chloride Analysis Run 8/28/2019 1:16 PM View: cells9&10\_AppIII\_intrawell  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-46R	GWC-46R	GWC-47	GWC-47	GWC-47R	GWC-47R	GWC-48	GWC-48
3/10/2016	1.9859		2.2206		2.5934		2.4266	
5/17/2016	2.37						2.01	
5/18/2016			2.42		2.51			
7/26/2016	2.4							
7/27/2016			2.4		2.5		2.3	
9/20/2016	2.4		2.4		2.4		2.2	
11/4/2016	2.8				2.9		3	
11/7/2016			2.8					
1/20/2017	2.2				2.7			
1/23/2017			2.4				2.5	
3/28/2017	2.3						2.2	
3/29/2017			2.8		2.3			
6/7/2017	2.3							
6/8/2017			2.5		2.3		2.3	
9/27/2017				2.4		2.4		
9/29/2017		2.1						2.5
3/15/2018		2		2.7				2.6
3/16/2018						2.7		
9/13/2018		1.9		2.6		2.5		2.8
3/15/2019				2.8				3.3
3/18/2019		1.8						
3/19/2019						2.6		

Exceeds Limit

Prediction Limit  
Intrawell Parametric

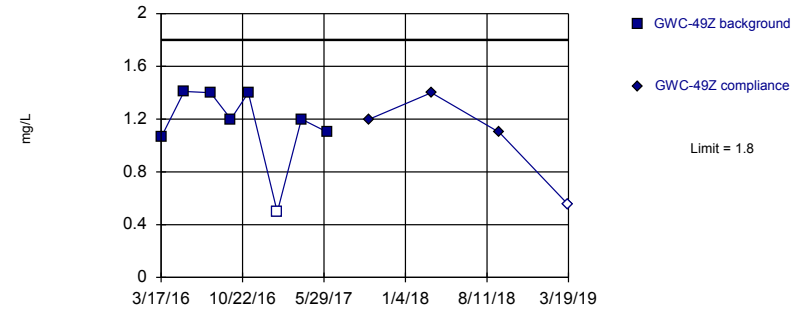


Background Data Summary: Mean=1.572, Std. Dev.=0.0894, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8005, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

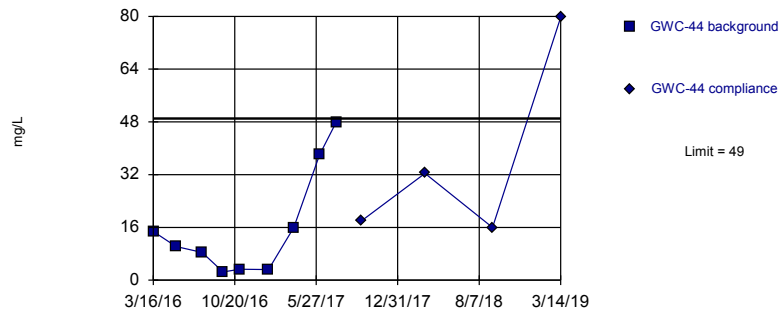


Background Data Summary: Mean=1.158, Std. Dev.=0.3015, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7987, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

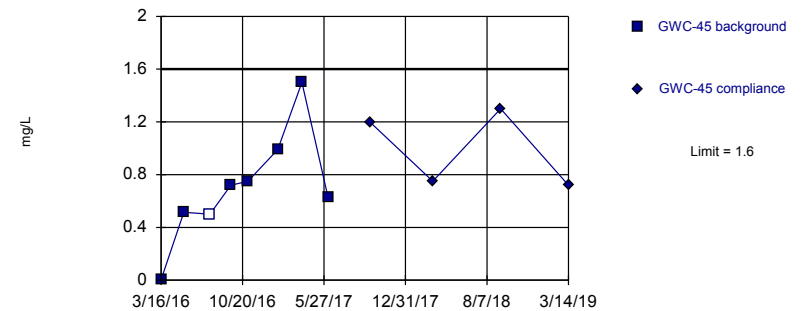


Background Data Summary: Mean=16.04, Std. Dev.=16.23, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8049, critical = 0.764. Kappa = 2.048 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.7012, Std. Dev.=0.4293, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9486, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

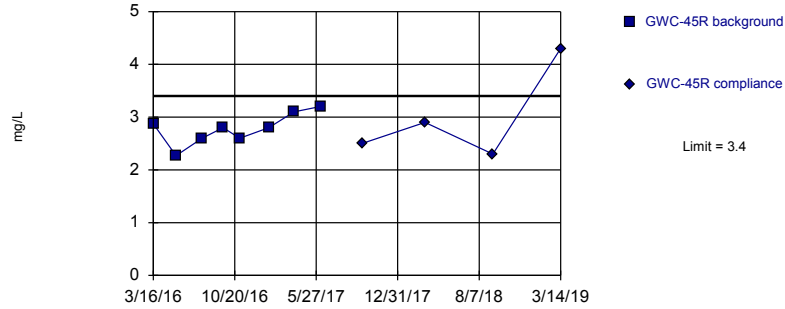
# Prediction Limit

Constituent: Chloride, Sulfate Analysis Run 8/28/2019 1:16 PM View: cells9&10\_AppIII\_intrawell  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-49R	GWC-49R	GWC-49Z	GWC-49Z	GWC-44	GWC-44	GWC-45	GWC-45
3/16/2016					14.7828		0.00424 (J)	
3/17/2016	1.4476		1.0624					
5/16/2016					10.2		0.5151 (J)	
5/18/2016	1.43		1.41					
7/25/2016					8.4		<1 (*)	
7/27/2016	1.6							
7/28/2016			1.4					
9/19/2016					2.5		0.72 (J)	
9/21/2016	1.6		1.2					
11/3/2016					3.3			
11/4/2016	1.6						0.75 (J)	
11/7/2016			1.4					
1/19/2017					3.2			
1/23/2017							0.99 (J)	
1/24/2017	1.7		<0.99 (*)					
3/28/2017					16 (J)			
3/29/2017	1.6						1.5	
3/30/2017			1.2					
6/5/2017					38			
6/7/2017							0.63 (J)	
6/8/2017	1.6							
6/9/2017			1.1					
7/20/2017					48			
9/26/2017						18		
9/27/2017								1.2
9/29/2017		1.7		1.2				
3/15/2018		1.6		1.4		32.4		0.75 (J)
9/12/2018						16		
9/13/2018		1.3						1.3
9/14/2018				1.1				
3/14/2019						79.7		0.72 (X)
3/18/2019		2.7						
3/19/2019				<1.1				

Exceeds Limit

Prediction Limit  
Intrawell Parametric

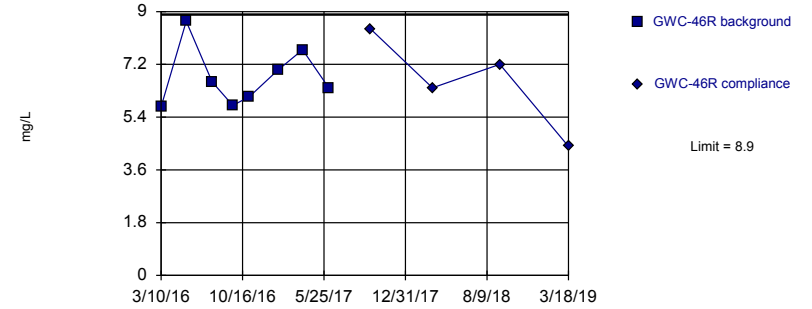


Background Data Summary: Mean=2.78, Std. Dev.=0.2959, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9634, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

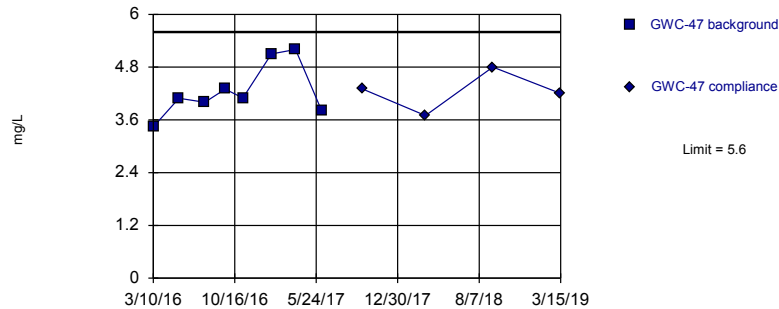


Background Data Summary: Mean=6.753, Std. Dev.=1.008, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9025, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

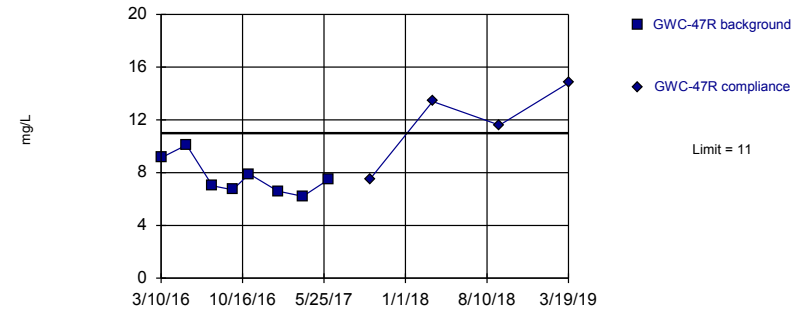


Background Data Summary: Mean=4.254, Std. Dev.=0.6089, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9006, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric



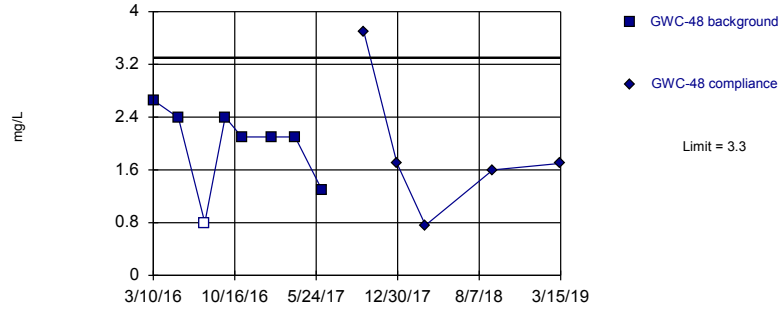
Background Data Summary: Mean=7.641, Std. Dev.=1.352, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9016, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Within Limit

Prediction Limit  
Intrawell Parametric

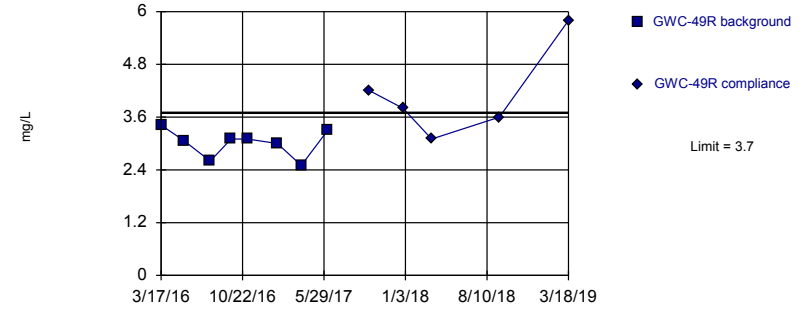


Background Data Summary: Mean=1.981, Std. Dev.=0.6211, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8582, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

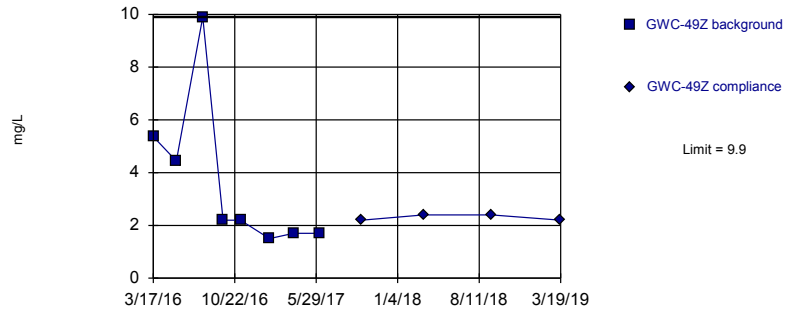


Background Data Summary: Mean=3.01, Std. Dev.=0.316, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9105, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

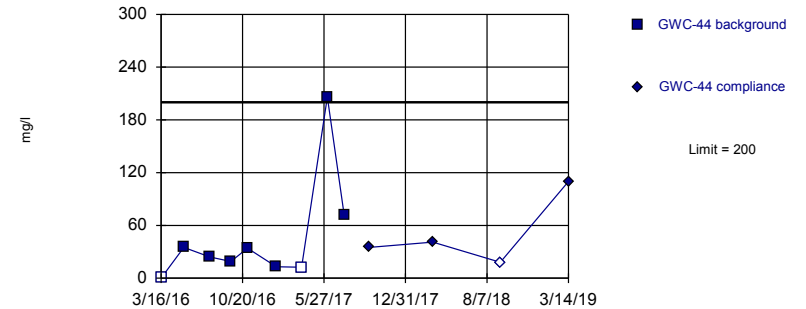


Background Data Summary: Mean=3.626, Std. Dev.=2.905, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7649, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=5.272, Std. Dev.=4.371, n=9, 22.22% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8944, critical = 0.764. Kappa = 2.048 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

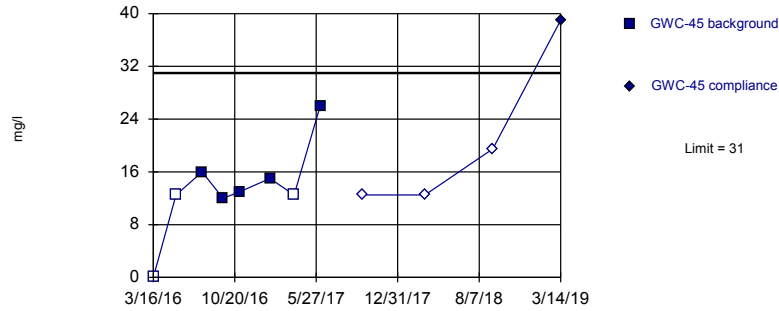
Constituent: Sulfate, Total Dissolved Solids Analysis Run 8/28/2019 1:16 PM View: cells9&10\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-48	GWC-48	GWC-49R	GWC-49R	GWC-49Z	GWC-49Z	GWC-44	GWC-44
3/10/2016	2.6569							
3/16/2016							<0.01	
3/17/2016			3.4197		5.3658			
5/16/2016							35	
5/17/2016	2.39							
5/18/2016			3.06		4.44			
7/25/2016							24 (J)	
7/27/2016	<1.6 (*)		2.6					
7/28/2016					9.9			
9/19/2016							19 (J)	
9/20/2016	2.4							
9/21/2016			3.1		2.2			
11/3/2016							34	
11/4/2016	2.1		3.1					
11/7/2016					2.2			
1/19/2017							13 (J)	
1/23/2017	2.1							
1/24/2017			3		1.5			
3/28/2017	2.1						<25	
3/29/2017			2.5					
3/30/2017					1.7			
6/5/2017							206	
6/8/2017	1.3		3.3					
6/9/2017					1.7			
7/20/2017							72	
9/26/2017								35
9/29/2017		3.7		4.2		2.2		
12/28/2017		1.7 (Y)		3.8 (Y)				
3/15/2018		0.76 (J)		3.1		2.4		41
9/12/2018								<36
9/13/2018		1.6		3.6				
9/14/2018						2.4		
3/14/2019								110
3/15/2019		1.7						
3/18/2019				5.8				
3/19/2019						2.2		

Exceeds Limit

Prediction Limit  
Intrawell Parametric

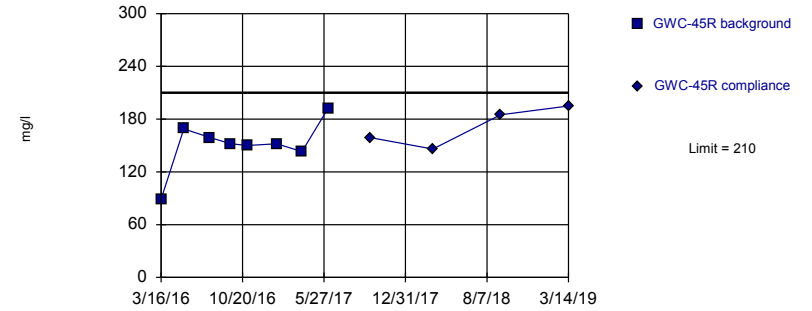


Background Data Summary (after Aitchison's Adjustment): Mean=10.25, Std. Dev.=9.483, n=8, 37.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8681, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

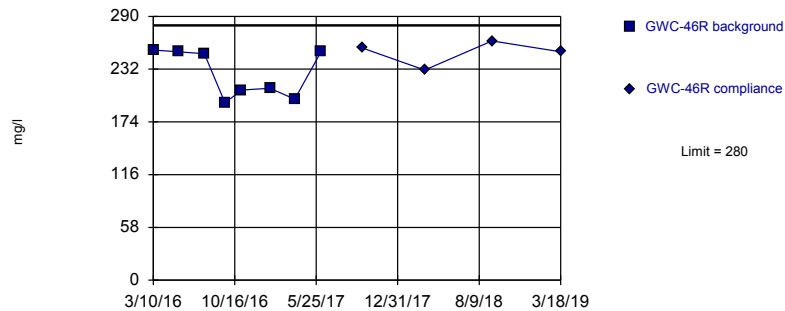


Background Data Summary: Mean=150.8, Std. Dev.=29.23, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8701, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

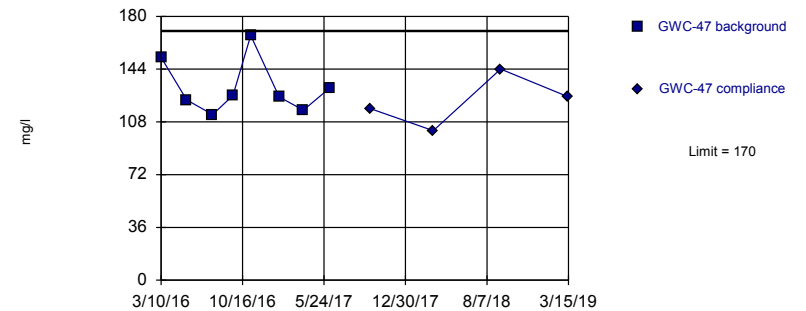


Background Data Summary: Mean=227.3, Std. Dev.=25.91, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.792, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=131.6, Std. Dev.=18.55, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8606, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



# Prediction Limit

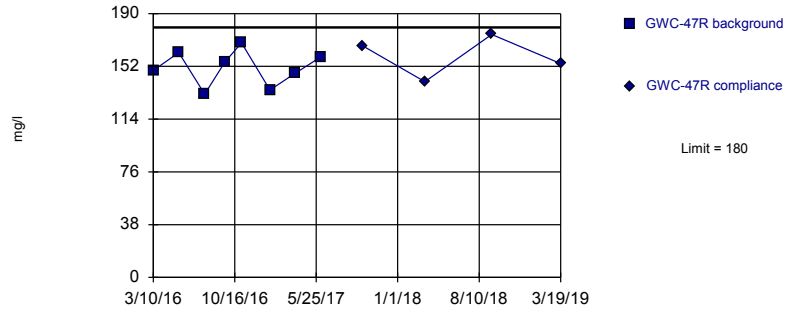
Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:16 PM View: cells9&10\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-45	GWC-45	GWC-45R	GWC-45R	GWC-46R	GWC-46R	GWC-47	GWC-47
3/10/2016					253		152	
3/16/2016	<0.01		89					
5/16/2016	<25		169					
5/17/2016					251			
5/18/2016							123	
7/25/2016	16 (J)		159					
7/26/2016					249			
7/27/2016							113	
9/19/2016	12 (J)		152					
9/20/2016					195		126	
11/3/2016			150					
11/4/2016	13 (J)				209			
11/7/2016							167	
1/20/2017			152		211			
1/23/2017	15 (J)						125	
3/28/2017					199			
3/29/2017	<25		143				116	
6/7/2017	26		192		251			
6/8/2017							131	
9/27/2017		<25		159				117
9/29/2017						255		
3/15/2018		<25		146		231		102
9/13/2018		<39		185		263		144
3/14/2019		39 (X)		195				
3/15/2019								125
3/18/2019						251		

Within Limit

Prediction Limit  
Intrawell Parametric

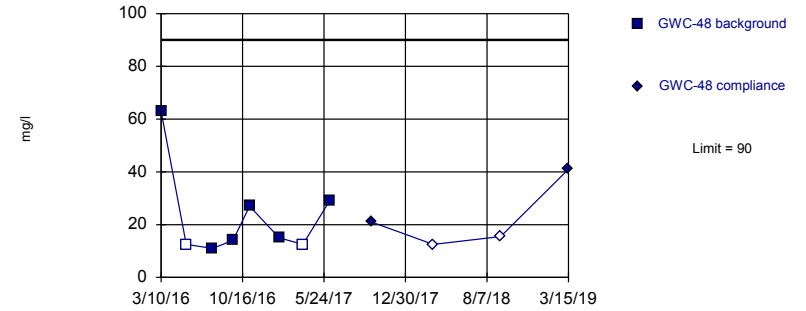


Background Data Summary: Mean=151, Std. Dev.=12.88, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9579, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

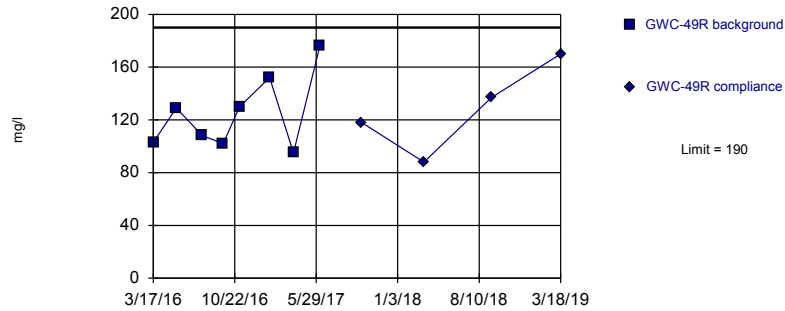


Background Data Summary (based on square root transformation) (after Aitchison's Adjustment): Mean=3.681, Std. Dev.=2.688, n=8, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7831, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

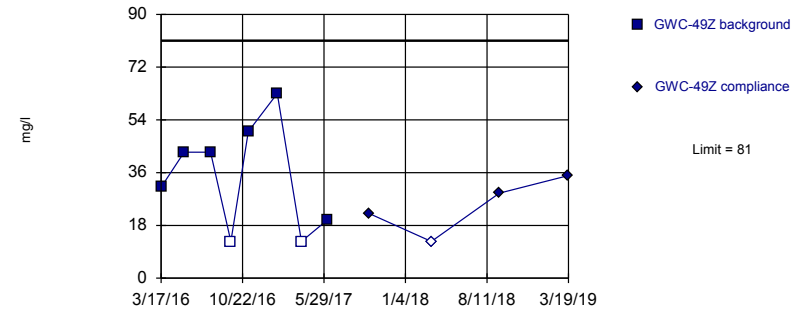


Background Data Summary: Mean=124.4, Std. Dev.=28.21, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8981, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (after Aitchison's Adjustment): Mean=31.25, Std. Dev.=23.04, n=8, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9296, critical = 0.749. Kappa = 2.164 (c=7, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:13 PM View: cells9&10\_AppIII\_intrawell  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Prediction Limit

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 1:16 PM View: cells9&10\_AppIII\_intrawell

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-47R	GWC-47R	GWC-48	GWC-48	GWC-49R	GWC-49R	GWC-49Z	GWC-49Z
3/10/2016	149		63					
3/17/2016					103		31	
5/17/2016			<25					
5/18/2016	162				129		43	
7/27/2016	132		11 (J)		108			
7/28/2016							43	
9/20/2016	155		14 (J)					
9/21/2016					102		<25	
11/4/2016	169		27		130			
11/7/2016							50	
1/20/2017	135							
1/23/2017			15 (J)					
1/24/2017					152		63	
3/28/2017			<25					
3/29/2017	147				95			
3/30/2017							<25	
6/8/2017	159		29		176			
6/9/2017							20 (J)	
9/27/2017		167						
9/29/2017				21 (J)		118		22 (J)
3/15/2018				<25		88		<25
3/16/2018		141						
9/13/2018		175		<31		137		
9/14/2018								29
3/15/2019				41				
3/18/2019						170		
3/19/2019		154						35

# Trend Test - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR Printed 8/28/2019, 10:58 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWA-43 (bg)	-0.00682	-36	-35	Yes	12	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-43 (bg)	-4.155	-60	-35	Yes	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-42 (bg)	0.3456	39	35	Yes	12	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-43 (bg)	-0.3515	-56	-35	Yes	12	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-43 (bg)	-0.5018	-45	-31	Yes	11	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-43 (bg)	-20.2	-38	-35	Yes	12	25	n/a	n/a	0.02	NP

# Trend Test - All Results

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR Printed 8/28/2019, 10:58 AM

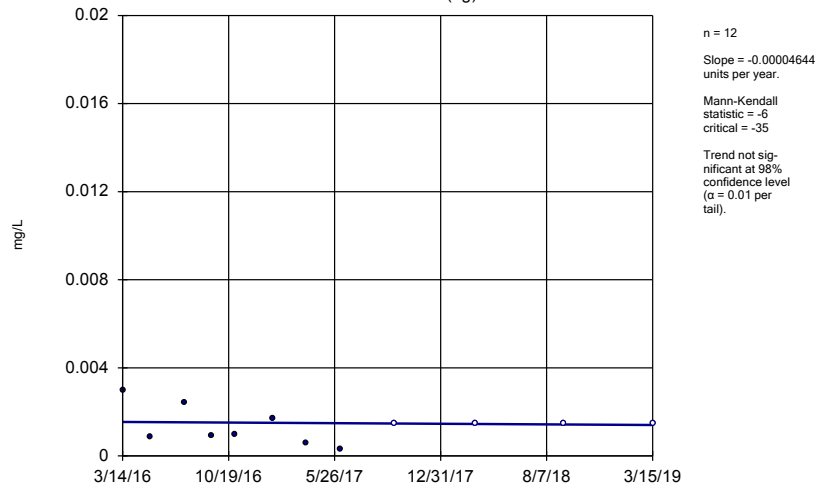
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-39Z (bg)	-0.00...	-6	-35	No	12	33.33	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-40 (bg)	0	-15	-35	No	12	91.67	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-41 (bg)	0	-11	-35	No	12	100	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-41R (bg)	0	-2	-35	No	12	75	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-42 (bg)	0	-19	-35	No	12	91.67	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-43 (bg)	0	-11	-35	No	12	100	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-43R (bg)	0	6	35	No	12	75	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-39R_3...	0.002367	25	35	No	12	16.67	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-39Z (bg)	0.005395	18	35	No	12	8.333	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-40 (bg)	-0.00...	-31	-31	No	11	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-41 (bg)	-0.00...	-24	-35	No	12	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-41R (bg)	0.003109	6	35	No	12	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-42 (bg)	0.000...	13	31	No	11	0	n/a	n/a	0.02	NP
<b>Barium (mg/L)</b>	<b>GWA-43 (bg)</b>	<b>-0.00682</b>	<b>-36</b>	<b>-35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Barium (mg/L)	GWA-43R (bg)	0.000...	10	31	No	11	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-39R_3...	0.001049	14	35	No	12	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-39Z (bg)	10.19	34	35	No	12	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-40 (bg)	0.8512	8	31	No	11	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-41 (bg)	1.53	11	31	No	11	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-41R (bg)	-1.696	-15	-35	No	12	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-42 (bg)	0.8307	21	35	No	12	0	n/a	n/a	0.02	NP
<b>Calcium (mg/L)</b>	<b>GWA-43 (bg)</b>	<b>-4.155</b>	<b>-60</b>	<b>-35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Calcium (mg/L)	GWA-43R (bg)	0.8701	19	39	No	13	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-39R_3...	0.7842	10	35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-39Z (bg)	-0.1351	-28	-35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-40 (bg)	0.487	31	39	No	13	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-41 (bg)	0	-2	-35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-41R (bg)	-0.4173	-13	-35	No	12	0	n/a	n/a	0.02	NP
<b>Chloride (mg/L)</b>	<b>GWA-42 (bg)</b>	<b>0.3456</b>	<b>39</b>	<b>35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Chloride (mg/L)	GWA-43 (bg)	0.03941	16	35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-43R (bg)	0.2927	7	35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-39R_3...	0.1517	11	35	No	12	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-39Z (bg)	0.2602	30	39	No	13	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-40 (bg)	-0.00...	-2	-44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-41 (bg)	0.05563	9	31	No	11	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-41R (bg)	-0.1083	-34	-35	No	12	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-42 (bg)	0.02938	23	35	No	12	0	n/a	n/a	0.02	NP
<b>pH (pH units)</b>	<b>GWA-43 (bg)</b>	<b>-0.3515</b>	<b>-56</b>	<b>-35</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
pH (pH units)	GWA-43R (bg)	-0.03591	-18	-39	No	13	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-39R_3...	-0.06547	-20	-44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-39Z (bg)	-1.199	-30	-35	No	12	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-40 (bg)	0.4519	30	39	No	13	7.692	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-41 (bg)	0.3437	9	35	No	12	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-41R (bg)	0.7468	10	35	No	12	8.333	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-42 (bg)	0.2575	34	35	No	12	8.333	n/a	n/a	0.02	NP
<b>Sulfate (mg/L)</b>	<b>GWA-43 (bg)</b>	<b>-0.5018</b>	<b>-45</b>	<b>-31</b>	<b>Yes</b>	<b>11</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Sulfate (mg/L)	GWA-43R (bg)	0.2733	9	35	No	12	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-39R_3...	3.5	15	35	No	12	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-39Z (bg)	16.04	12	31	No	11	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-40 (bg)	13.09	26	35	No	12	0	n/a	n/a	0.02	NP

# Trend Test - All Results

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR Printed 8/28/2019, 10:58 AM

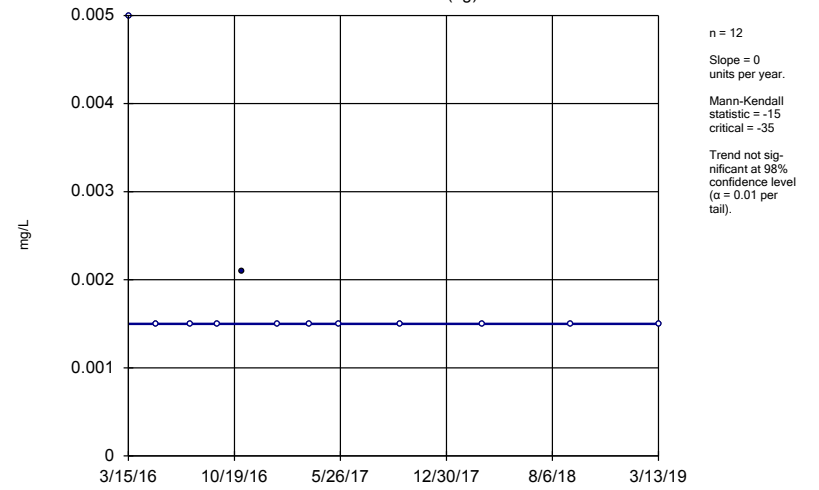
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Total Dissolved Solids (mg/l)	GWA-41 (bg)	20.57	23	35	No	12	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-41R (bg)	6.121	9	35	No	12	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-42 (bg)	8.696	19	35	No	12	0	n/a	n/a	0.02	NP
<b>Total Dissolved Solids (mg/l)</b>	<b>GWA-43 (bg)</b>	<b>-20.2</b>	<b>-38</b>	<b>-35</b>	<b>Yes</b>	<b>12</b>	<b>25</b>	<b>n/a</b>	<b>n/a</b>	<b>0.02</b>	<b>NP</b>
Total Dissolved Solids (mg/l)	GWA-43R (bg)	3.298	10	35	No	12	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-39R_3...	-12.99	-8	-35	No	12	0	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-39Z (bg)	0	0	27	No	10	60	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-40 (bg)	0	-4	-31	No	11	90.91	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-41 (bg)	0	4	31	No	11	90.91	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-41R (bg)	0	3	27	No	10	80	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-42 (bg)	-0.00...	-9	-31	No	11	36.36	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-43 (bg)	0	-1	-27	No	10	50	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-43R (bg)	-0.00...	-21	-27	No	10	50	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-39R_3...	0	-5	-17	No	7	57.14	n/a	n/a	0.02	NP

Sen's Slope Estimator  
GWA-39Z (bg)



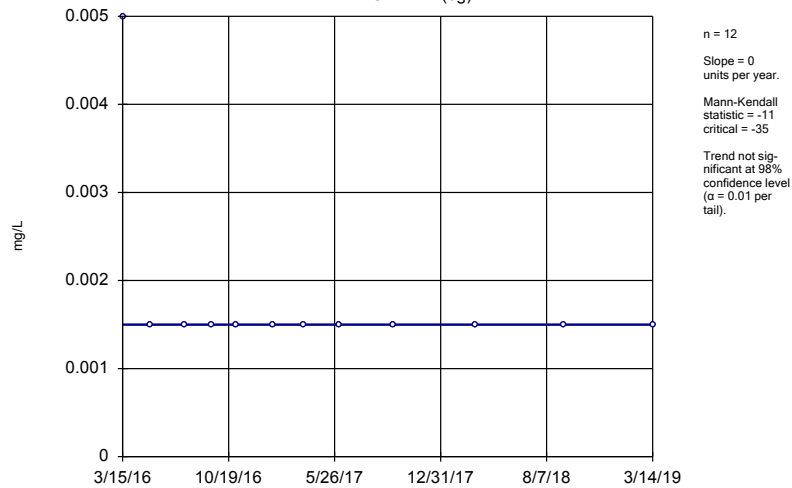
Constituent: Antimony Analysis Run 8/28/2019 10:55 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-40 (bg)



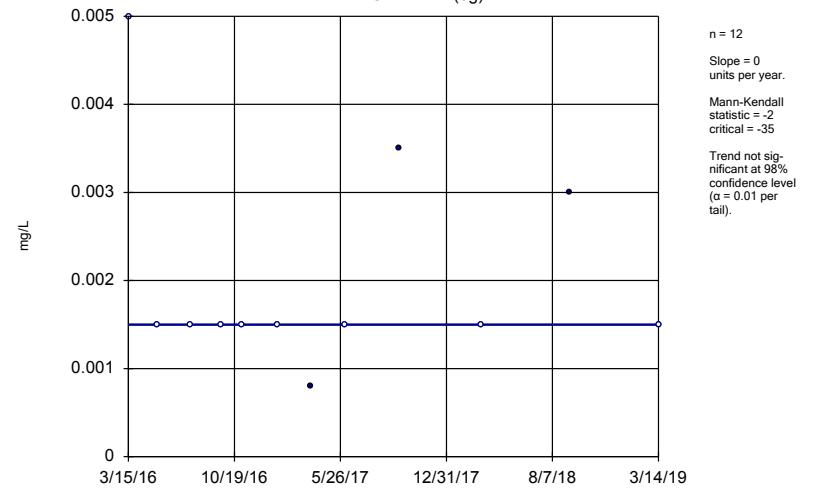
Constituent: Antimony Analysis Run 8/28/2019 10:55 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-41 (bg)



Constituent: Antimony Analysis Run 8/28/2019 10:55 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-41R (bg)



Constituent: Antimony Analysis Run 8/28/2019 10:55 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

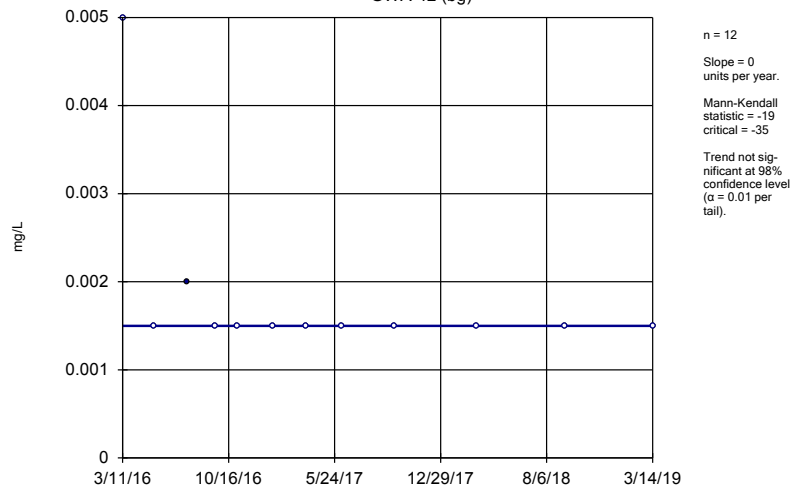
# Sen's Slope Estimator

Constituent: Antimony Analysis Run 8/28/2019 10:58 AM View: background Sen's slope  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016	0.003			
3/15/2016		<0.01	<0.01	<0.01
5/11/2016	0.000839 (J)	<0.003		
5/12/2016			<0.003	
5/13/2016				<0.003
7/19/2016	0.0024 (J)			
7/20/2016			<0.003	
7/21/2016		<0.003		<0.003 (*)
9/15/2016	0.0009 (J)	<0.003	<0.003	
9/21/2016				<0.003
11/2/2016	0.001 (J)			
11/3/2016		0.0021 (J)	<0.003	<0.003
1/17/2017		<0.003		<0.003
1/18/2017	0.0017 (J)		<0.003	
3/24/2017		<0.003	<0.003	
3/27/2017				0.0008 (J)
3/28/2017	0.0006 (J)			
5/24/2017		<0.003		
6/6/2017			<0.003	<0.003
6/7/2017	0.0003 (J)			
9/25/2017			<0.003	0.0035
9/26/2017	<0.003	<0.003		
3/14/2018	<0.003	<0.003	<0.003	<0.003
9/12/2018	<0.003	<0.003	<0.003	0.003
3/13/2019		<0.003		
3/14/2019			<0.003	<0.003
3/15/2019	<0.003			

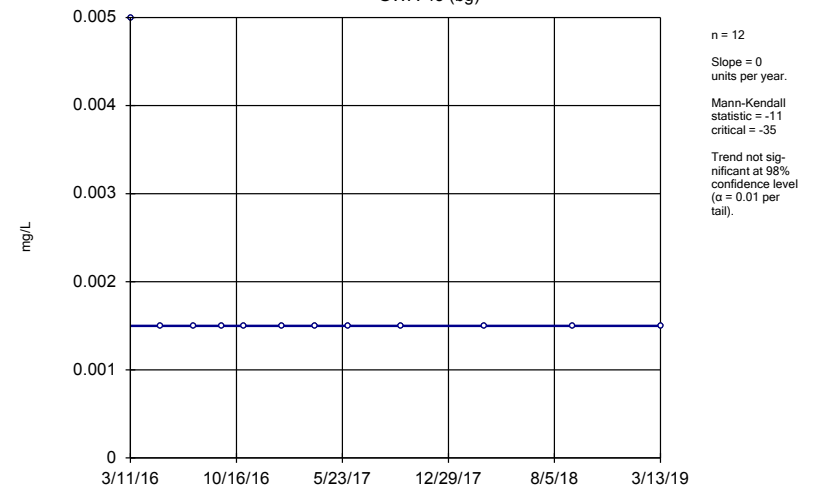


Sen's Slope Estimator  
GWA-42 (bg)



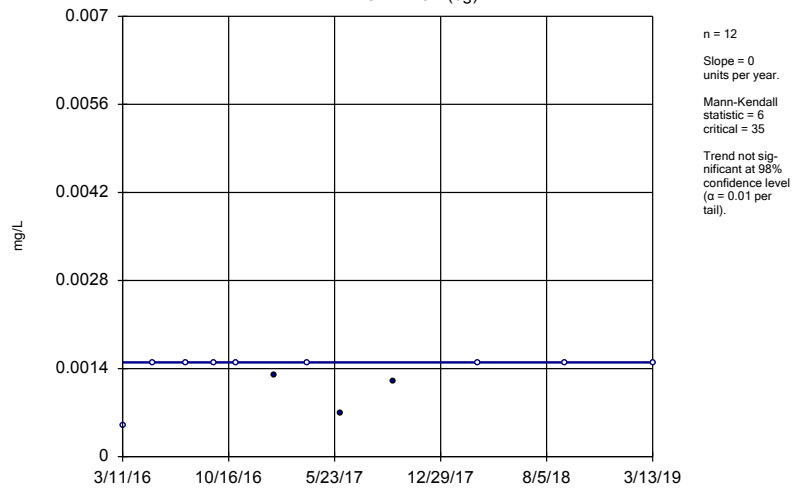
Constituent: Antimony Analysis Run 8/28/2019 10:55 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-43 (bg)



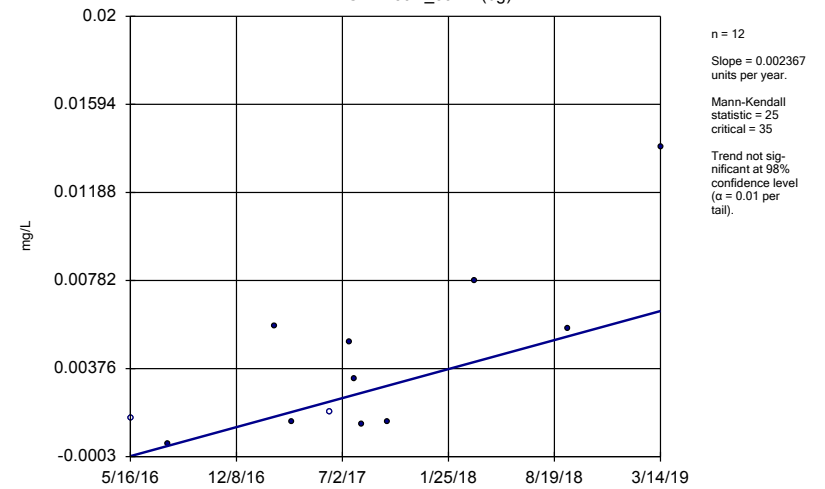
Constituent: Antimony Analysis Run 8/28/2019 10:55 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-43R (bg)



Constituent: Antimony Analysis Run 8/28/2019 10:55 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-39R\_39RZ (bg)

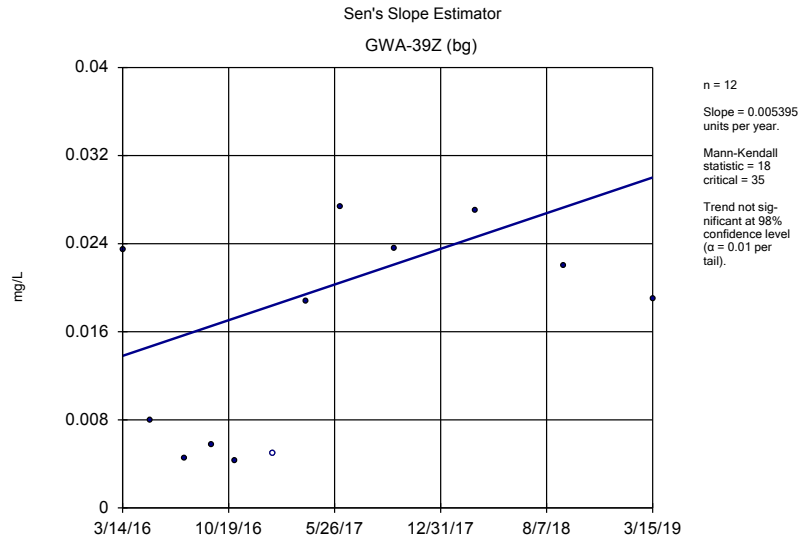


Constituent: Antimony Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

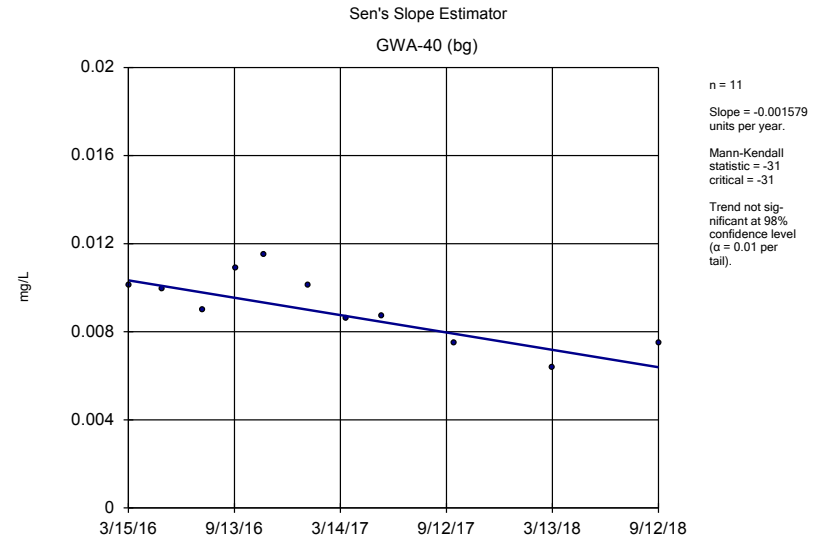
# Sen's Slope Estimator

Constituent: Antimony Analysis Run 8/28/2019 10:58 AM View: background Sen's slope  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

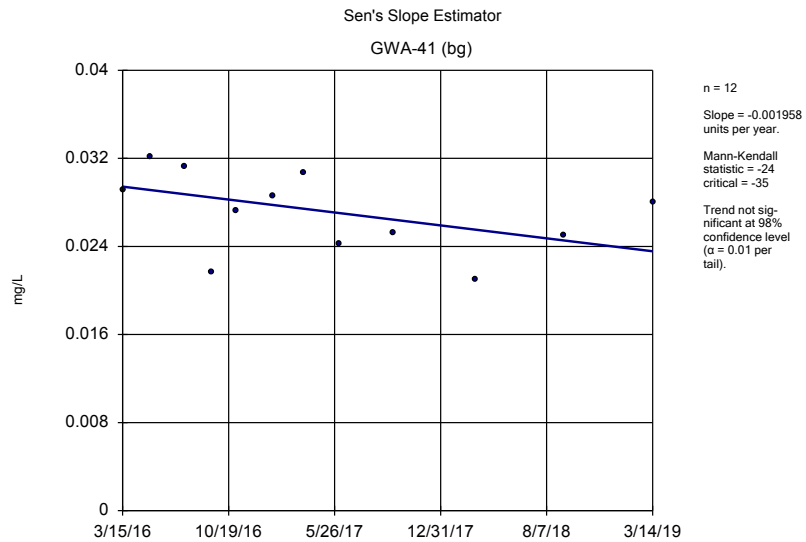
	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-39R_39RZ ...
3/11/2016	<0.01	<0.01	<0.001	
5/13/2016		<0.003	<0.003	
5/16/2016	<0.003			<0.003 (D)
7/19/2016		<0.003 (*)	<0.003	
7/22/2016	0.002 (J)			
7/27/2016				0.0003 (JD)
9/16/2016		<0.003	<0.003	
9/19/2016	<0.003			
11/2/2016		<0.003	<0.003	
11/3/2016	<0.003			
1/17/2017	<0.003			
1/18/2017		<0.003	0.0013 (J)	
2/21/2017				0.0057
3/27/2017	<0.003			0.0013 (JD)
3/28/2017		<0.003	<0.003	
6/6/2017		<0.003	0.0007 (J)	
6/7/2017	<0.003			
6/8/2017				<0.0035 (*)
7/17/2017				0.005 (D)
7/27/2017				0.0033
8/9/2017				0.0012 (J)
9/22/2017		<0.003	0.0012 (J)	
9/26/2017	<0.003			
9/29/2017				0.0013 (JD)
3/14/2018	<0.003	<0.003		
3/15/2018			<0.003	
3/16/2018				0.0078
9/12/2018		<0.003	<0.003	
9/14/2018	<0.003			0.0056
3/13/2019		<0.003	<0.003	
3/14/2019	<0.003			0.014



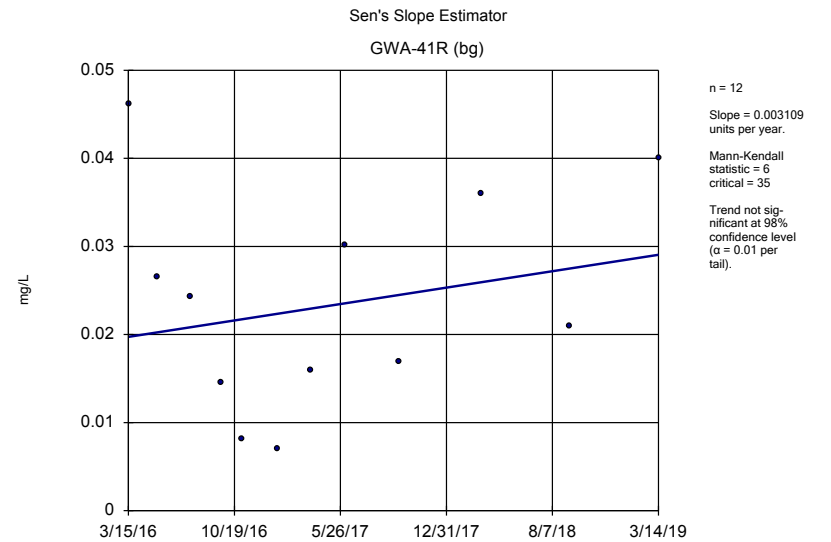
Constituent: Barium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Barium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Barium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



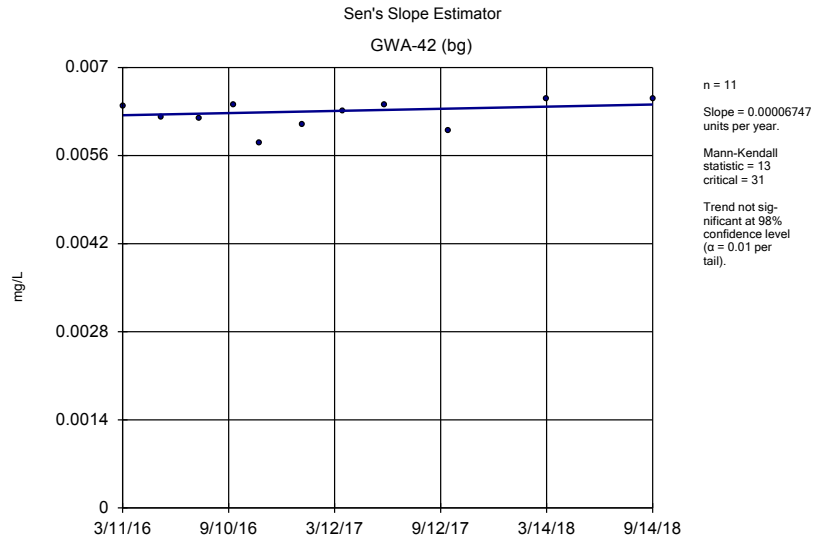
Constituent: Barium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Sen's Slope Estimator

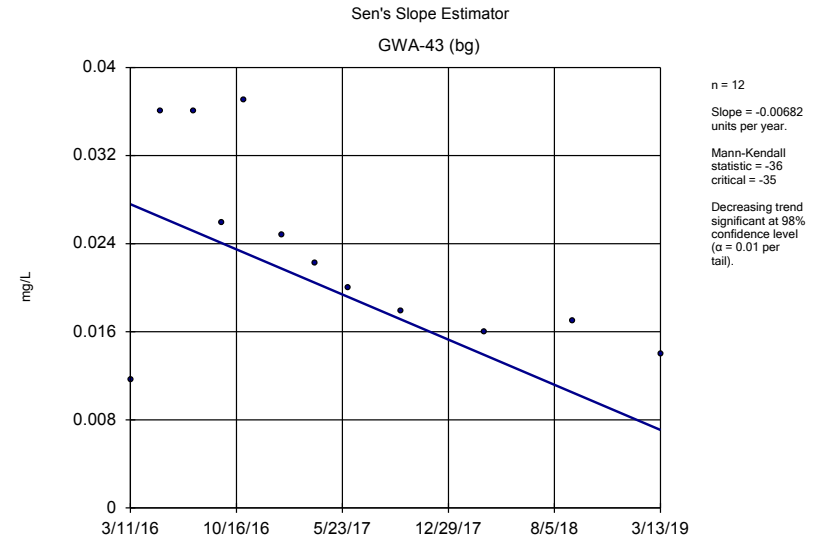
Constituent: Barium Analysis Run 8/28/2019 10:58 AM View: background Sen's slope

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

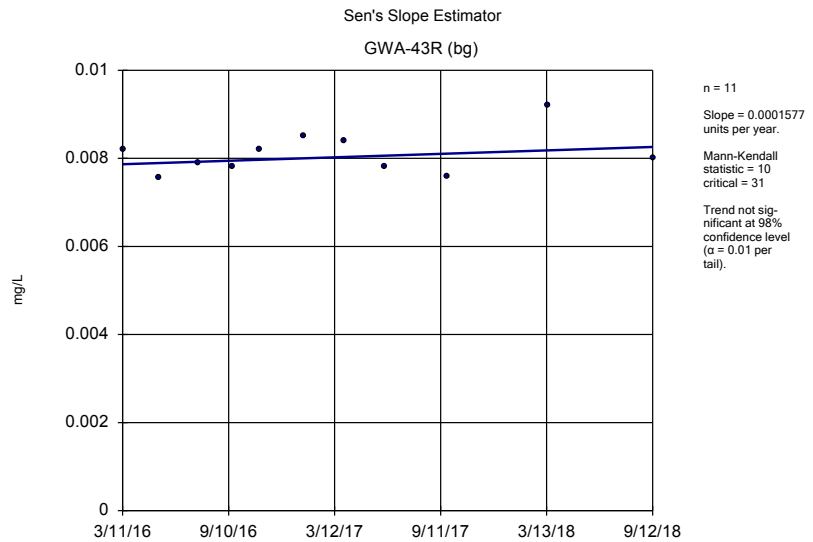
	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016	0.0234			
3/15/2016		0.0101	0.0291	0.0462
5/11/2016	0.00793 (J)	0.00992 (J)		
5/12/2016			0.0322	
5/13/2016				0.0265
7/19/2016	0.0045 (J)			
7/20/2016			0.0313	
7/21/2016		0.009 (J)		0.0243
9/15/2016	0.0057 (J)	0.0109	0.0217	
9/21/2016				0.0145
11/2/2016	0.0043 (J)			
11/3/2016		0.0115	0.0272	0.0082 (J)
1/17/2017		0.0101		0.007 (J)
1/18/2017	<0.01 (*)		0.0286 (J)	
3/24/2017		0.0086 (J)	0.0307	
3/27/2017				0.016
3/28/2017	0.0188			
5/24/2017		0.0087 (J)		
6/6/2017			0.0242	0.0301
6/7/2017	0.0273			
9/25/2017			0.0252	0.0169
9/26/2017	0.0236	0.0075 (J)		
3/14/2018	0.027	0.0064 (J)	0.021	0.036
9/12/2018	0.022	0.0075 (J)	0.025	0.021
3/14/2019			0.028	0.04
3/15/2019	0.019			



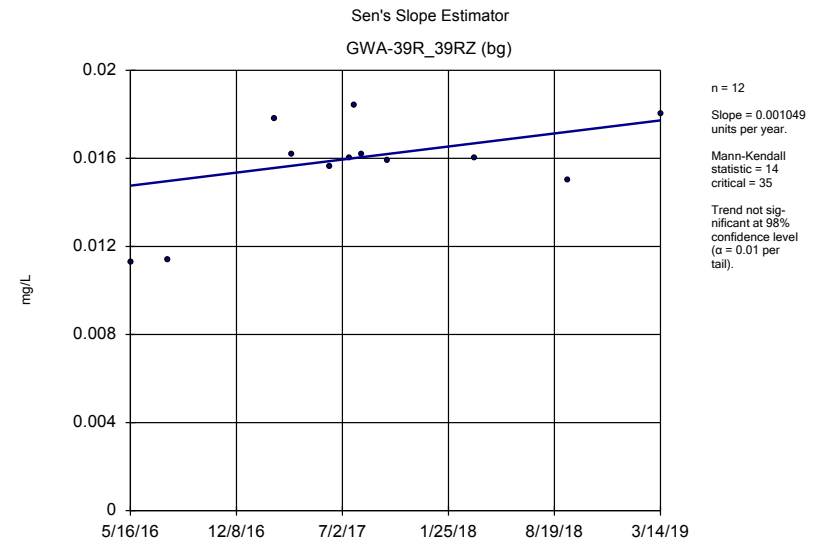
Constituent: Barium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Barium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Barium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



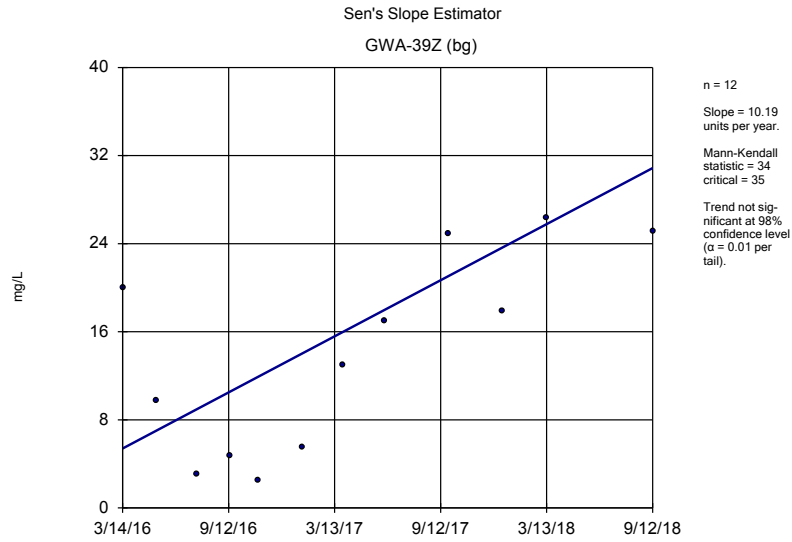
Constituent: Barium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Sen's Slope Estimator

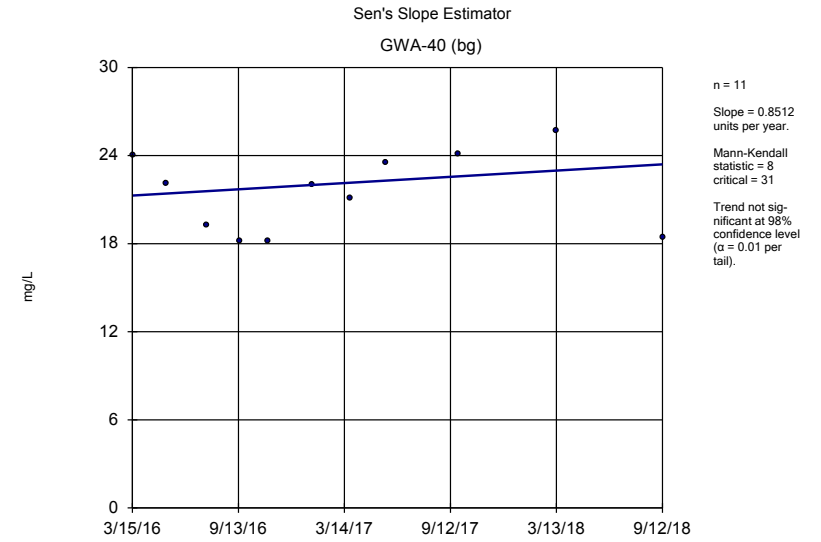
Constituent: Barium Analysis Run 8/28/2019 10:58 AM View: background Sen's slope

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

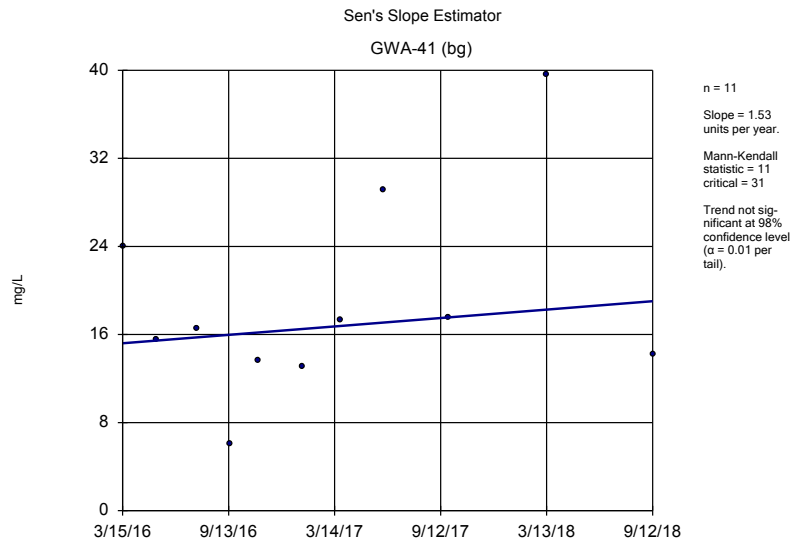
	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-39R_39RZ ...
3/11/2016	0.00639 (J)	0.0116	0.00819 (J)	
5/13/2016		0.0361	0.00756 (J)	
5/16/2016	0.00622 (J)			0.0113 (D)
7/19/2016		0.036	0.0079 (J)	
7/22/2016	0.0062 (J)			
7/27/2016				0.0114 (D)
9/16/2016		0.0259	0.0078 (J)	
9/19/2016	0.0064 (J)			
11/2/2016		0.037	0.0082 (J)	
11/3/2016	0.0058 (J)			
1/17/2017	0.0061 (J)			
1/18/2017		0.0248	0.0085 (J)	
2/21/2017				0.0178
3/27/2017	0.0063 (J)			0.0162 (D)
3/28/2017		0.0222	0.0084 (J)	
6/6/2017		0.02	0.0078 (J)	
6/7/2017	0.0064 (J)			
6/8/2017				0.0156 (D)
7/17/2017				0.016 (D)
7/27/2017				0.0184
8/9/2017				0.0162
9/22/2017		0.0179	0.0076 (J)	
9/26/2017	0.006 (J)			
9/29/2017				0.0159 (D)
3/14/2018	0.0065 (J)	0.016		
3/15/2018			0.0092 (J)	
3/16/2018				0.016
9/12/2018		0.017	0.008 (J)	
9/14/2018	0.0065 (J)			0.015
3/13/2019		0.014		
3/14/2019				0.018



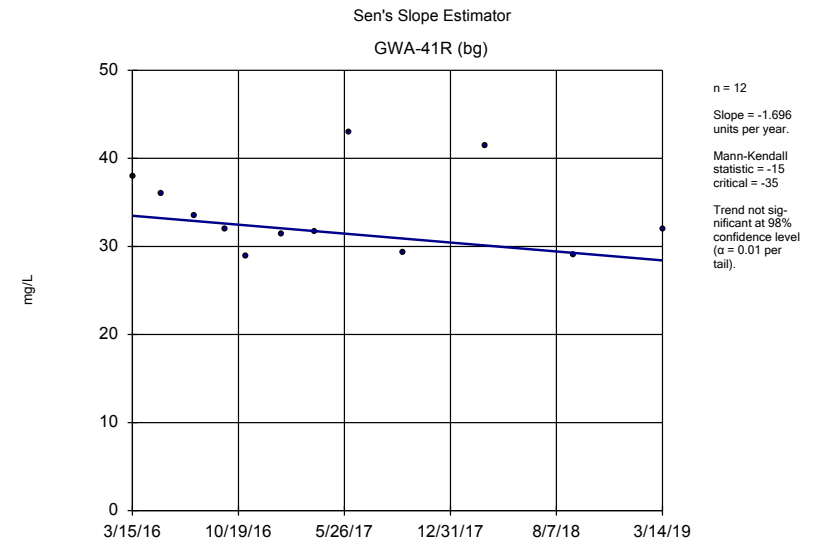
Constituent: Calcium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



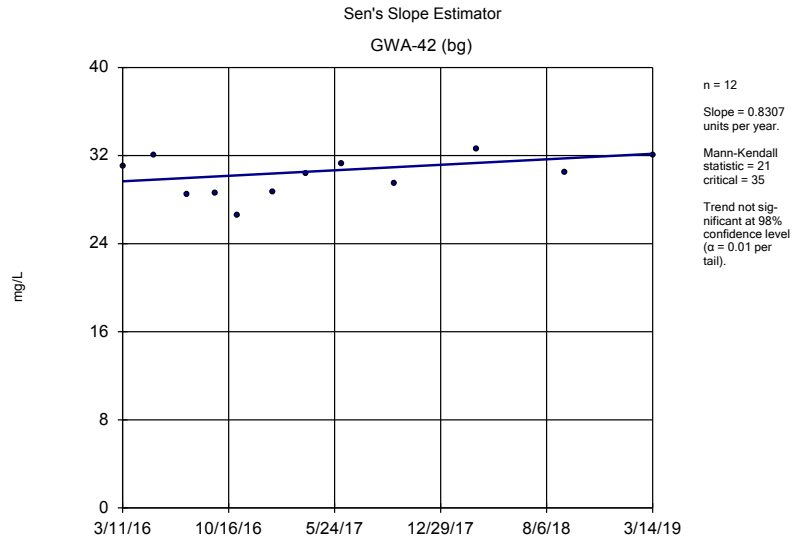
Constituent: Calcium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Sen's Slope Estimator

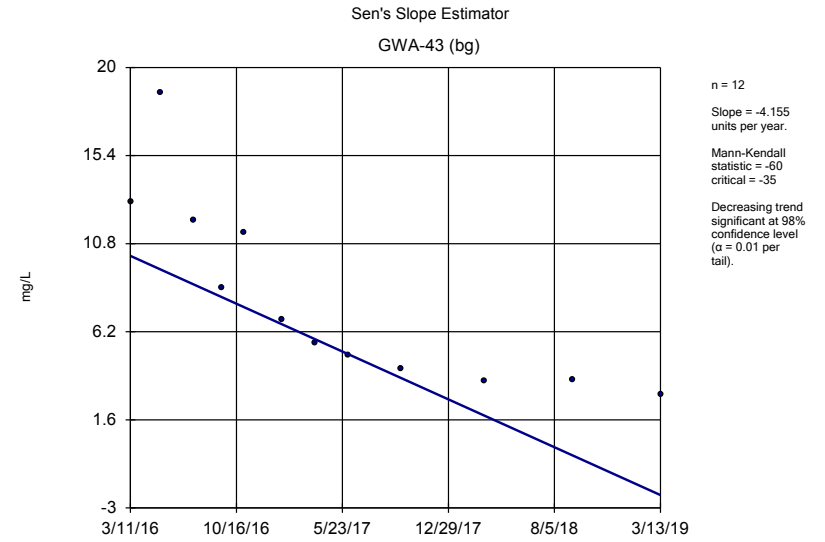
Constituent: Calcium Analysis Run 8/28/2019 10:58 AM View: background Sen's slope  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016	20			
3/15/2016		24	24	38
5/11/2016	9.76	22.1		
5/12/2016			15.5	
5/13/2016				36
7/19/2016	3.04			
7/20/2016			16.5	
7/21/2016		19.3		33.5
9/15/2016	4.78	18.2	6.1	
9/21/2016				31.9
11/2/2016	2.46			
11/3/2016		18.2	13.7	28.9
1/17/2017		22		31.4
1/18/2017	5.46		13.1	
3/24/2017		21.1	17.3	
3/27/2017				31.7
3/28/2017	13			
5/24/2017		23.5		
6/6/2017			29.1	42.9
6/7/2017	17			
9/25/2017			17.6	29.3
9/26/2017	24.9	24.1		
12/28/2017	17.9 (Y)			
3/14/2018	26.4	25.7	39.6	41.4
9/12/2018	25.1	18.4 (J)	14.2 (J)	29
3/14/2019				31.9

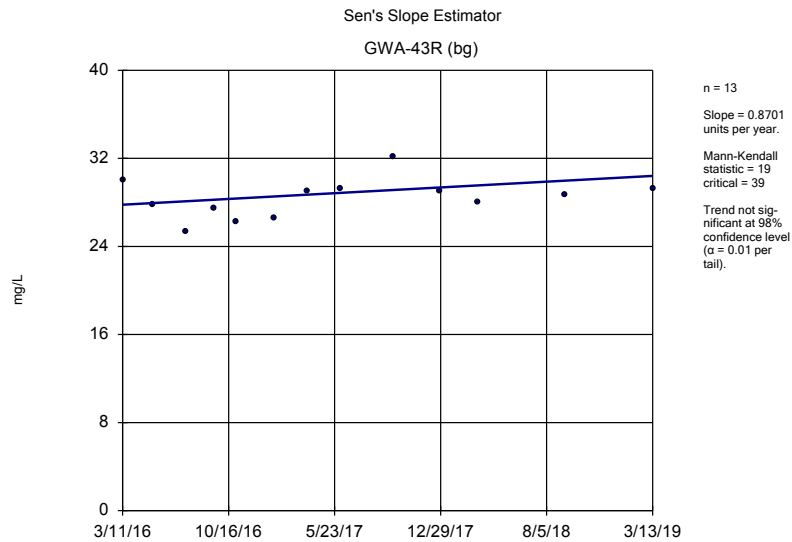




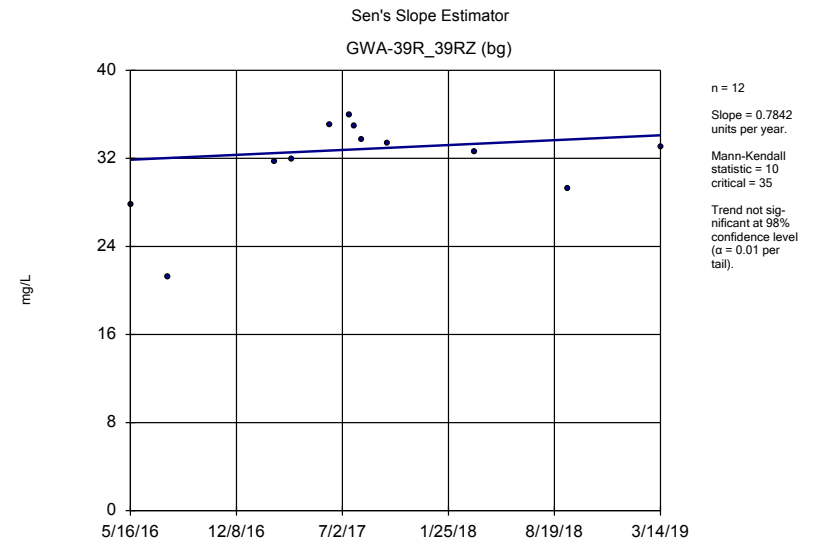
Constituent: Calcium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Calcium Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

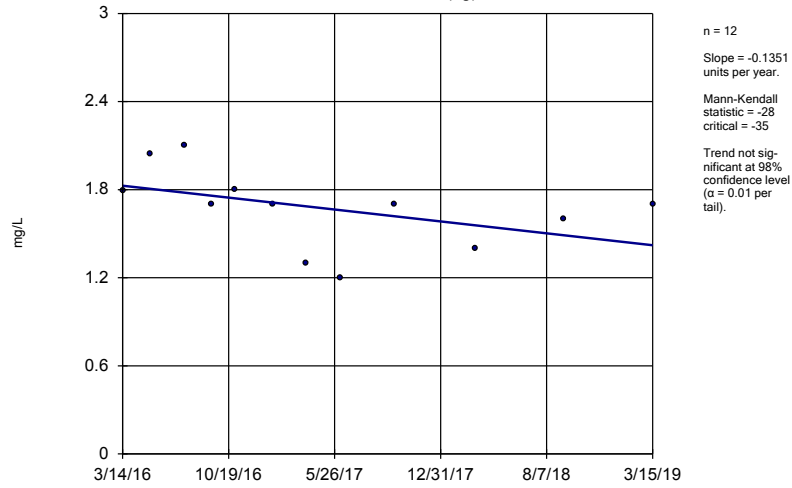
# Sen's Slope Estimator

Constituent: Calcium Analysis Run 8/28/2019 10:58 AM View: background Sen's slope

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

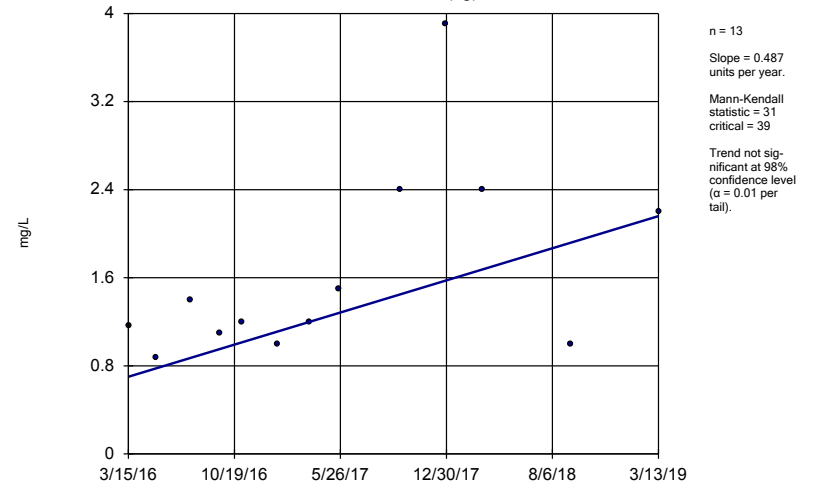
	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-39R_39RZ ...
3/11/2016	31	13	30	
5/13/2016		18.7	27.8	
5/16/2016	32			27.8 (D)
7/19/2016		12	25.3	
7/22/2016	28.5			
7/27/2016				21.2 (D)
9/16/2016		8.48	27.5	
9/19/2016	28.6			
11/2/2016		11.4	26.2	
11/3/2016	26.6			
1/17/2017	28.7			
1/18/2017		6.81	26.6	
2/21/2017				31.7 (D)
3/27/2017	30.4			31.9 (D)
3/28/2017		5.61	29	
6/6/2017		4.99	29.3	
6/7/2017	31.3			
6/8/2017				35 (D)
7/17/2017				35.9 (D)
7/27/2017				34.9 (D)
8/9/2017				33.7 (D)
9/22/2017		4.24	32.2	
9/26/2017	29.5			
9/29/2017				33.4 (D)
12/28/2017			29 (Y)	
3/14/2018	32.6	3.6		
3/15/2018			28	
3/16/2018				32.6
9/12/2018		3.7	28.7	
9/14/2018	30.5			29.2
3/13/2019		2.9	29.2	
3/14/2019	32			33

Sen's Slope Estimator  
GWA-39Z (bg)



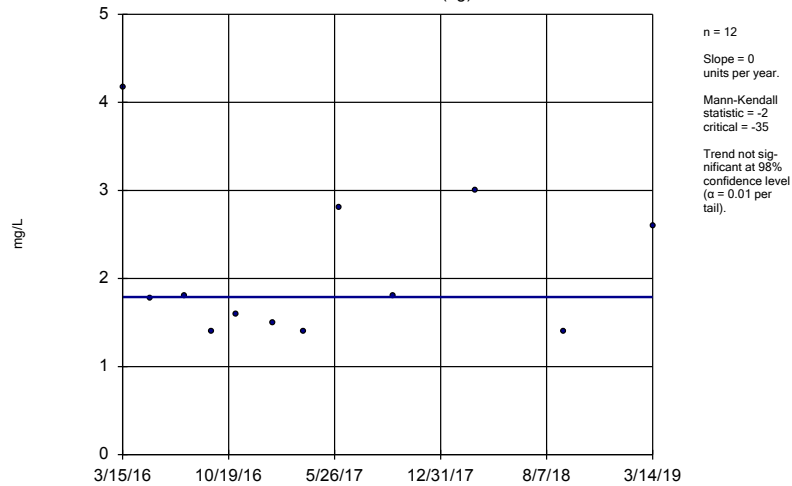
Constituent: Chloride Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-40 (bg)



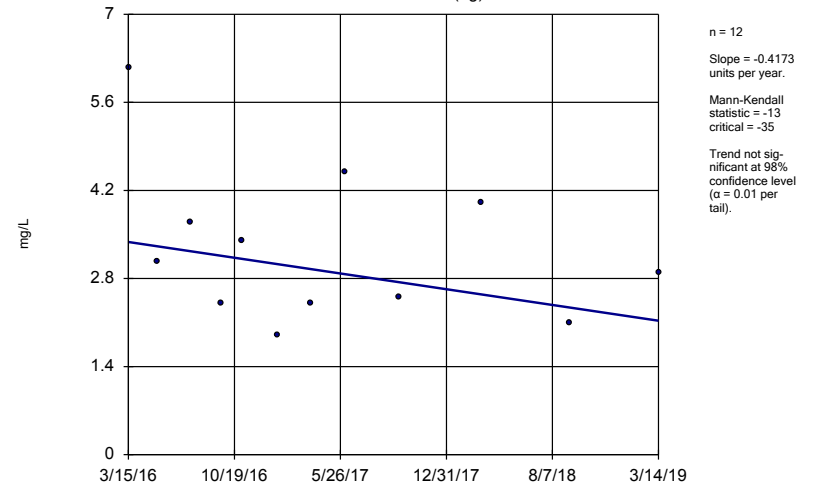
Constituent: Chloride Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-41 (bg)



Constituent: Chloride Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-41R (bg)

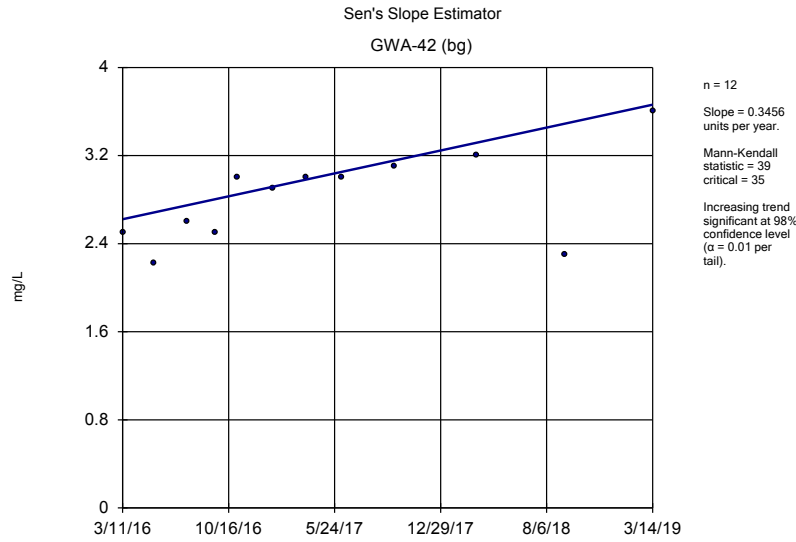


Constituent: Chloride Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

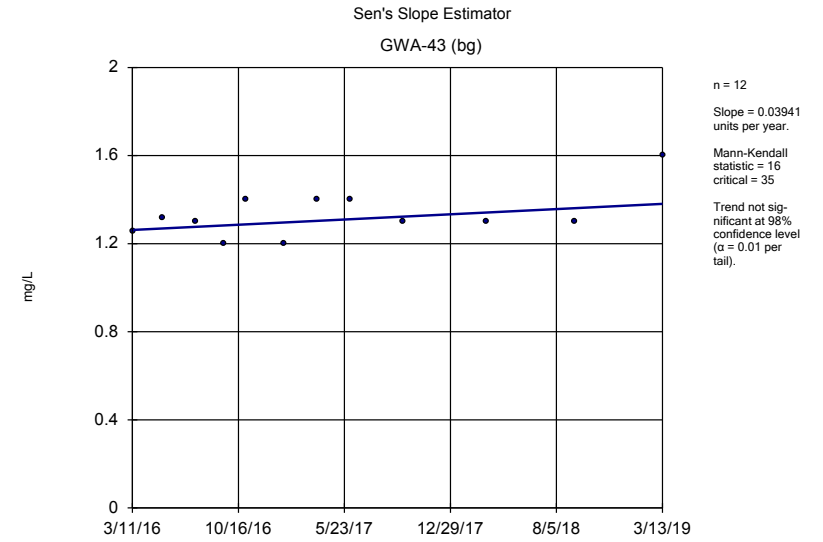
# Sen's Slope Estimator

Constituent: Chloride Analysis Run 8/28/2019 10:58 AM View: background Sen's slope  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

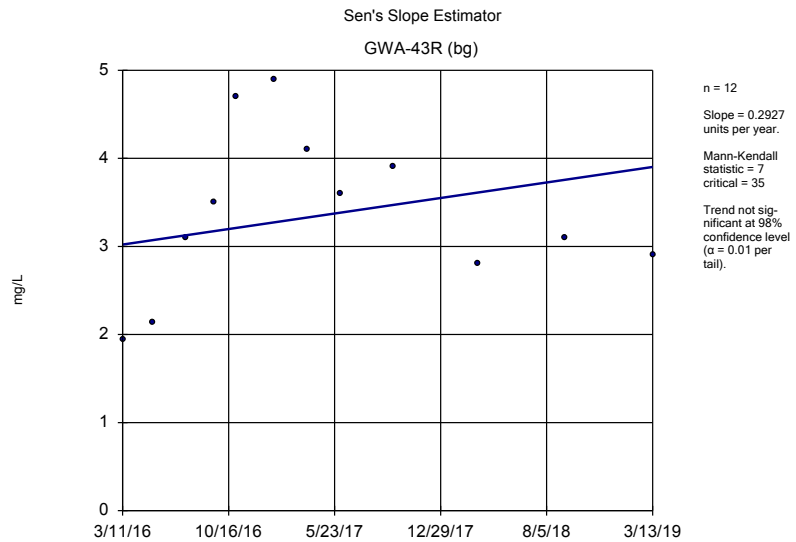
	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016	1.795			
3/15/2016		1.1671	4.1666	6.1465
5/11/2016	2.04	0.8763		
5/12/2016			1.78	
5/13/2016				3.08
7/19/2016	2.1			
7/20/2016			1.8	
7/21/2016		1.4		3.7
9/15/2016	1.7		1.4	
9/19/2016		1.1		
9/21/2016				2.4
11/2/2016	1.8			
11/3/2016		1.2	1.6	3.4
1/17/2017		1		1.9
1/18/2017	1.7		1.5	
3/24/2017		1.2	1.4	
3/27/2017				2.4
3/28/2017	1.3			
5/24/2017		1.5		
6/6/2017			2.8	4.5
6/7/2017	1.2			
9/25/2017			1.8	2.5
9/26/2017	1.7	2.4		
12/28/2017		3.9 (Y)		
3/14/2018	1.4	2.4	3	4 (J)
9/12/2018	1.6	1	1.4	2.1
3/13/2019		2.2		
3/14/2019			2.6	2.9
3/15/2019	1.7			



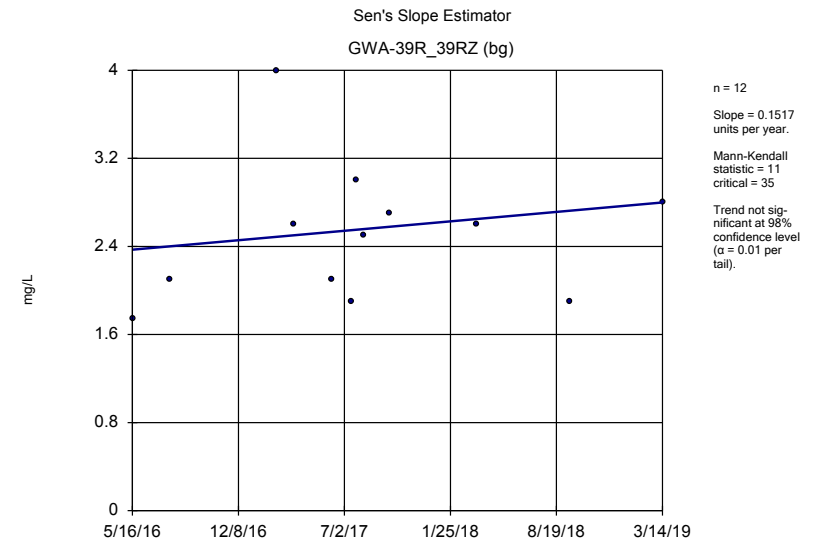
Constituent: Chloride Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Chloride Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

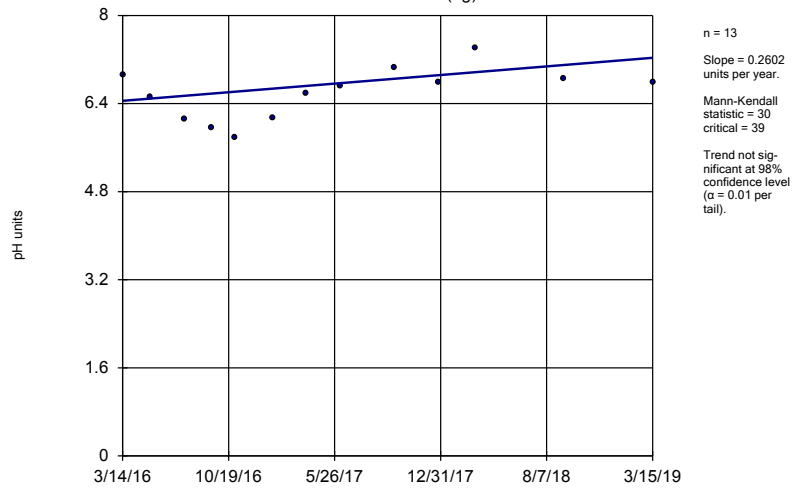
# Sen's Slope Estimator

Constituent: Chloride Analysis Run 8/28/2019 10:58 AM View: background Sen's slope

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

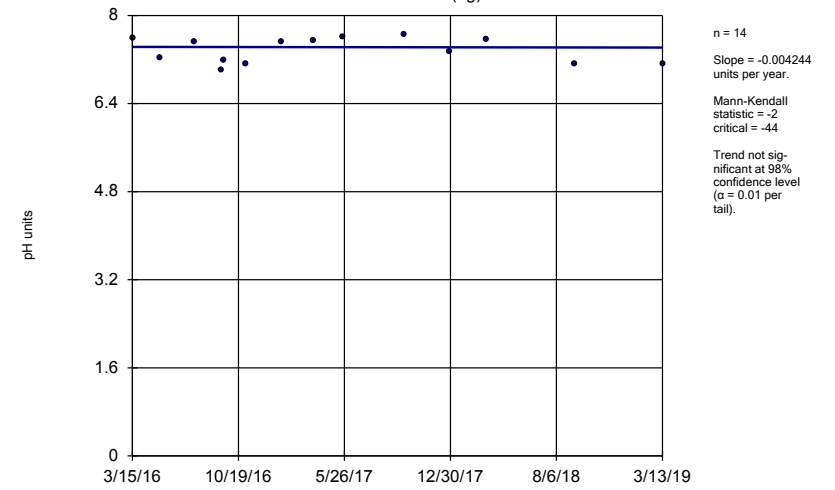
	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-39R_39RZ ...
3/11/2016	2.4984	1.2562	1.9467	
5/13/2016		1.32	2.14	
5/16/2016	2.22			1.74 (D)
7/19/2016		1.3	3.1	
7/22/2016	2.6			
7/27/2016				2.1 (D)
9/16/2016		1.2	3.5	
9/19/2016	2.5			
11/2/2016		1.4	4.7	
11/3/2016	3			
1/17/2017	2.9			
1/18/2017		1.2	4.9	
2/21/2017				4 (D)
3/27/2017	3			2.6 (D)
3/28/2017		1.4	4.1	
6/6/2017		1.4	3.6	
6/7/2017	3			
6/8/2017				2.1 (D)
7/17/2017				1.9 (D)
7/27/2017				3 (D)
8/9/2017				2.5 (D)
9/22/2017		1.3	3.9	
9/26/2017	3.1			
9/29/2017				2.7 (D)
3/14/2018	3.2	1.3		
3/15/2018			2.8	
3/16/2018				2.6
9/12/2018		1.3	3.1	
9/14/2018	2.3			1.9
3/13/2019		1.6	2.9	
3/14/2019	3.6			2.8

Sen's Slope Estimator  
GWA-39Z (bg)



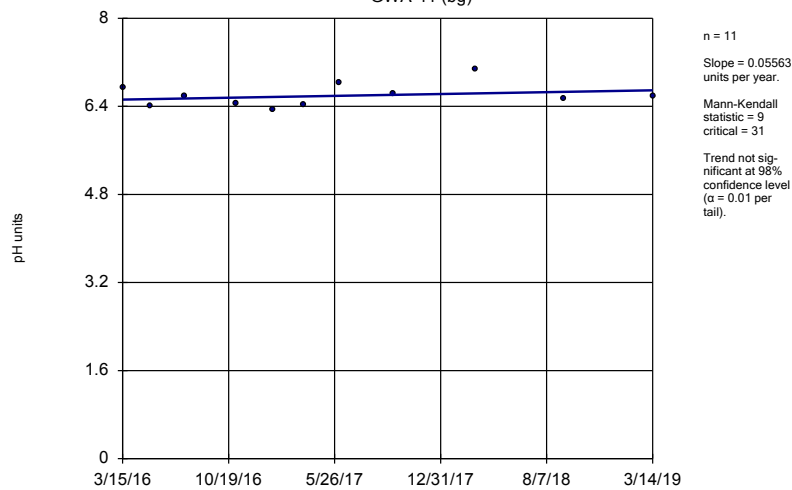
Constituent: pH Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-40 (bg)



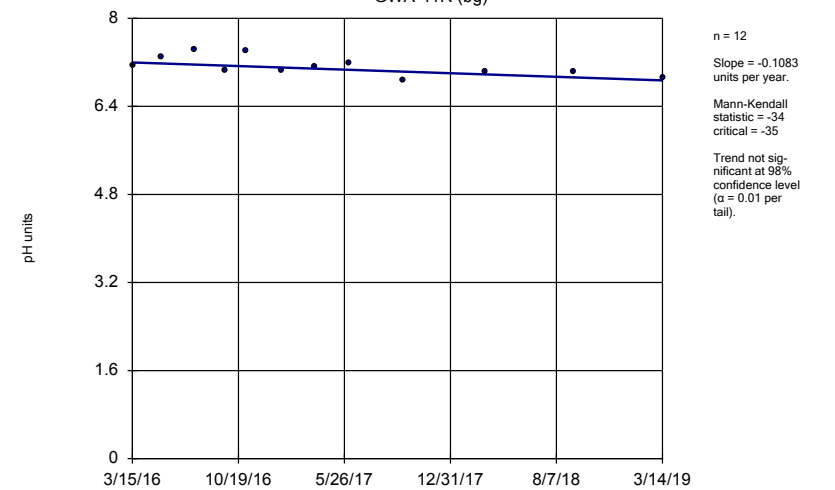
Constituent: pH Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-41 (bg)



Constituent: pH Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-41R (bg)



Constituent: pH Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

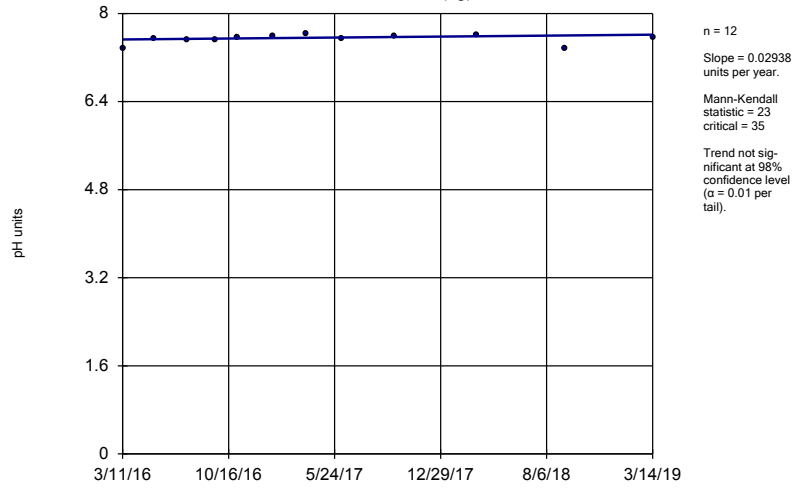
# Sen's Slope Estimator

Constituent: pH Analysis Run 8/28/2019 10:58 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016	6.91			
3/15/2016		7.58	6.74	7.15
5/11/2016	6.51	7.24		
5/12/2016			6.41	
5/13/2016				7.29
7/19/2016	6.12			
7/20/2016			6.59	
7/21/2016		7.53		7.43
9/15/2016	5.96	7		
9/19/2016		7.19		
9/21/2016				7.05
11/2/2016	5.78			
11/3/2016		7.13	6.45	7.4
1/17/2017		7.51		7.06
1/18/2017	6.13		6.34	
3/24/2017		7.55	6.42	
3/27/2017				7.13
3/28/2017	6.59			
5/24/2017		7.6		
6/6/2017			6.82	7.18
6/7/2017	6.72			
9/25/2017			6.63	6.88
9/26/2017	7.05	7.66		
12/28/2017	6.79 (Y)	7.34 (Y)		
3/14/2018	7.42	7.56	7.08	7.04
9/12/2018	6.86	7.12	6.54	7.02
3/13/2019		7.12		
3/14/2019			6.58	6.93
3/15/2019	6.78			

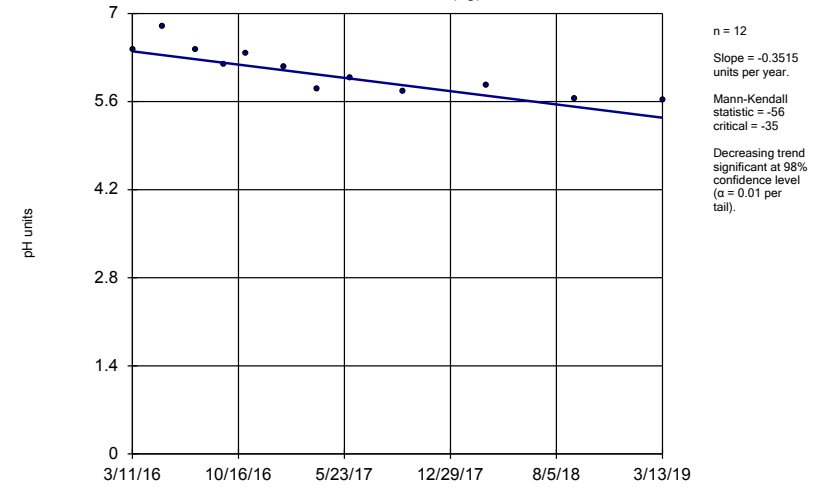


Sen's Slope Estimator  
GWA-42 (bg)



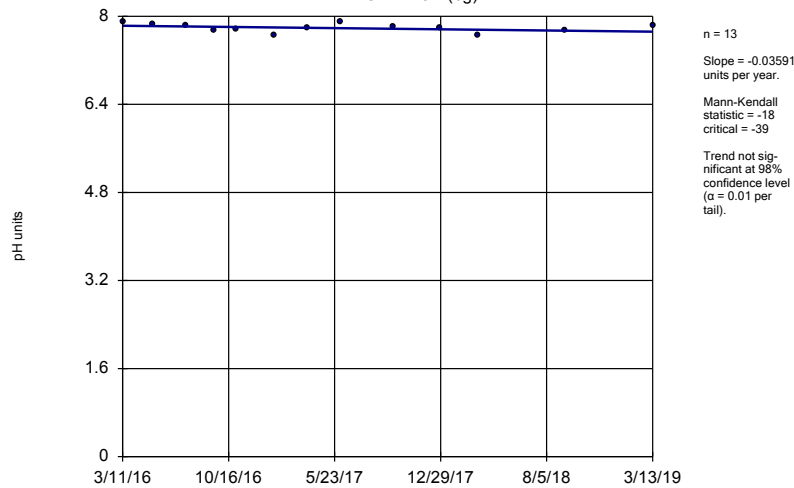
Constituent: pH Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-43 (bg)



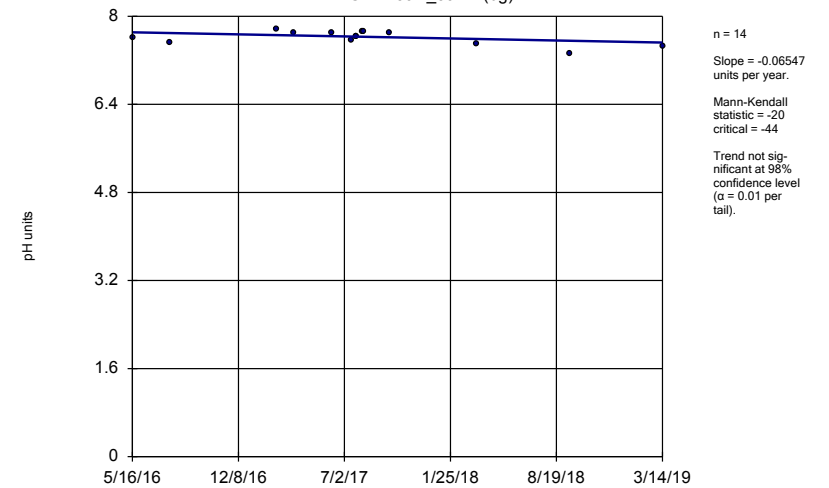
Constituent: pH Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-43R (bg)



Constituent: pH Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-39R\_39RZ (bg)



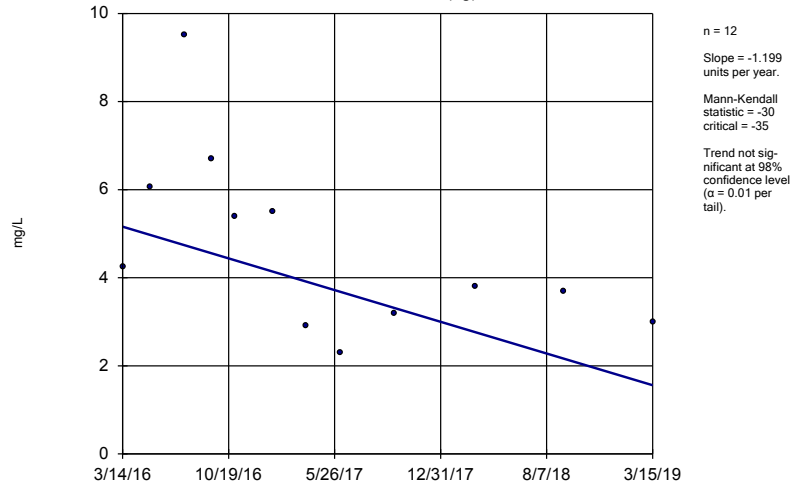
Constituent: pH Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Sen's Slope Estimator

Constituent: pH Analysis Run 8/28/2019 10:58 AM View: background Sen's slope  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

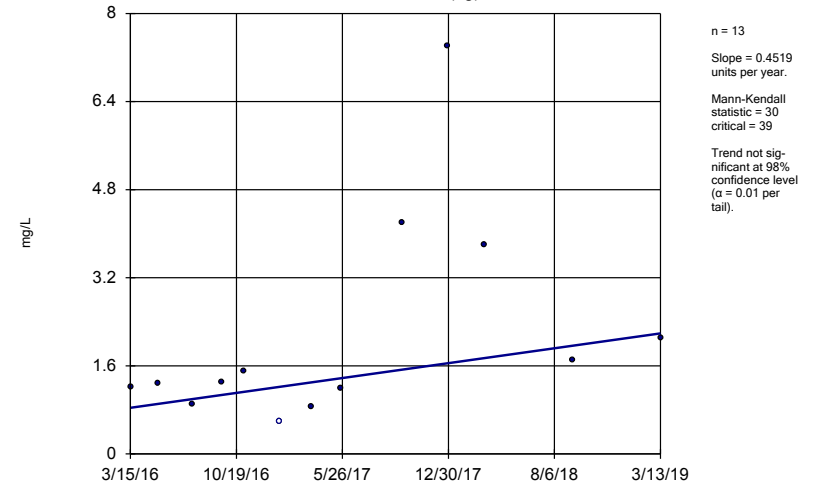
	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-39R_39RZ ...
3/11/2016	7.37	6.43	7.89	
5/13/2016		6.8	7.86	
5/16/2016	7.55			7.61 (D)
7/19/2016		6.42	7.83	
7/22/2016	7.51			
7/27/2016				7.51 (D)
9/16/2016		6.19	7.75	
9/19/2016	7.52			
11/2/2016		6.36	7.77	
11/3/2016	7.56			
1/17/2017	7.59			
1/18/2017		6.16	7.65	
2/21/2017				7.76 (D)
3/27/2017	7.63			7.7 (D)
3/28/2017		5.8	7.79	
6/6/2017		5.97	7.89	
6/7/2017	7.55			
6/8/2017				7.69 (D)
7/17/2017				7.57 (D)
7/26/2017				7.63
7/27/2017				7.63
8/8/2017				7.73
8/9/2017				7.73
9/22/2017		5.77	7.8	
9/26/2017	7.59			
9/29/2017				7.7 (D)
12/28/2017			7.78 (Y)	
3/14/2018	7.6	5.85		
3/15/2018			7.66	
3/16/2018				7.49
9/12/2018		5.65	7.75	
9/14/2018	7.37			7.32
3/13/2019		5.63	7.84	
3/14/2019	7.57			7.46

### Sen's Slope Estimator GWA-39Z (bg)



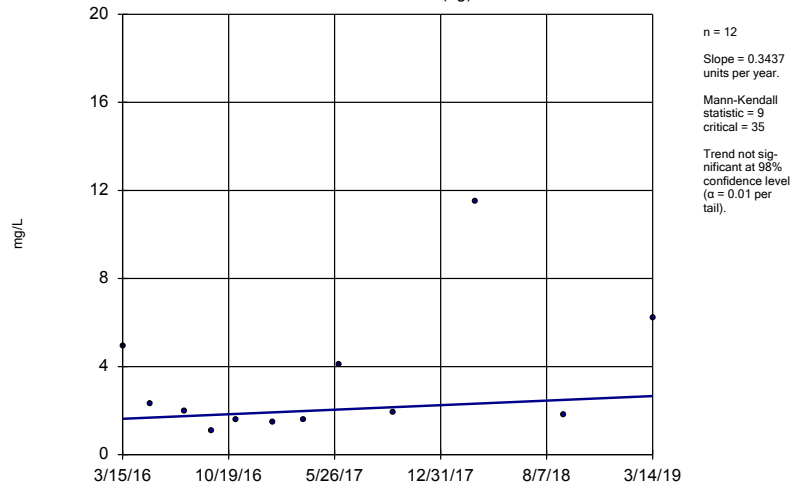
Constituent: Sulfate Analysis Run 8/28/2019 10:56 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

### Sen's Slope Estimator GWA-40 (bg)



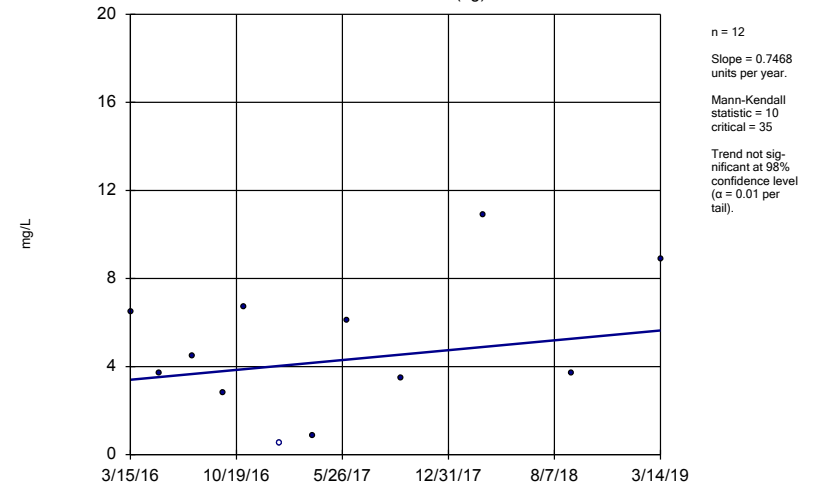
Constituent: Sulfate Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

### Sen's Slope Estimator GWA-41 (bg)



Constituent: Sulfate Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

### Sen's Slope Estimator GWA-41R (bg)



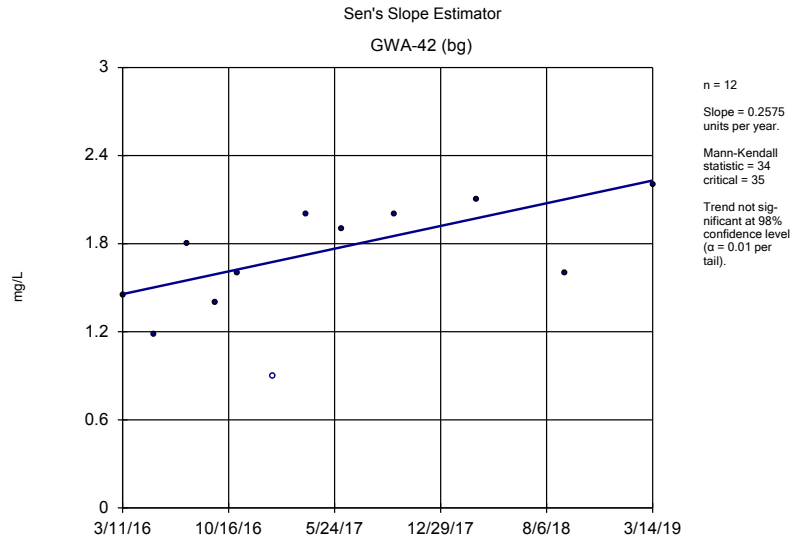
Constituent: Sulfate Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Sen's Slope Estimator

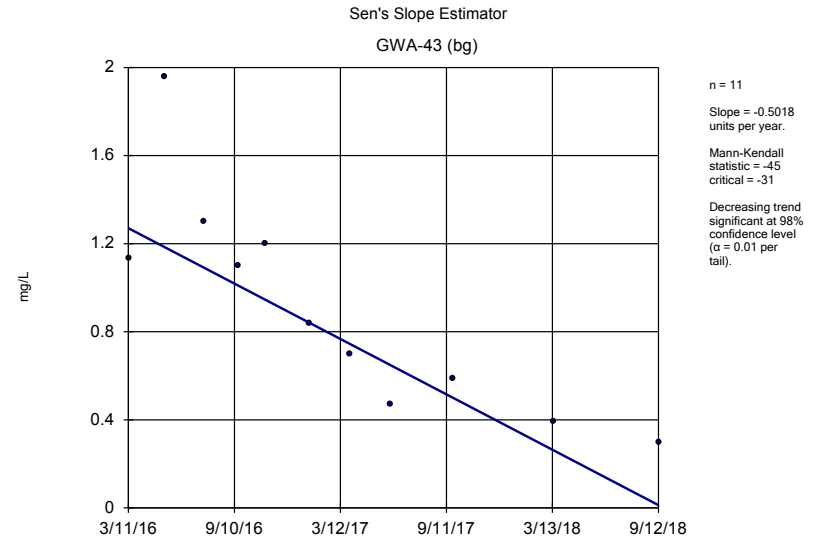
Constituent: Sulfate Analysis Run 8/28/2019 10:58 AM View: background Sen's slope

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

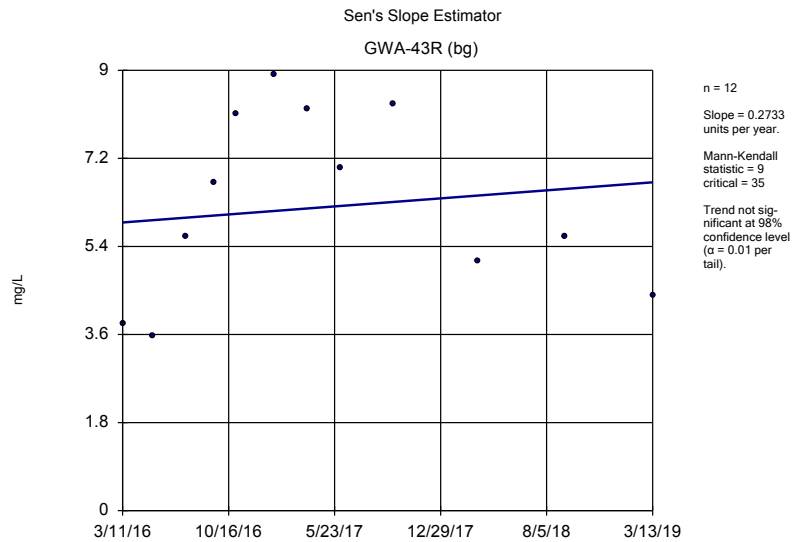
	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016	4.2598			
3/15/2016		1.2104	4.9347	6.4987
5/11/2016	6.05	1.28		
5/12/2016			2.3	
5/13/2016				3.68
7/19/2016	9.5			
7/20/2016			2	
7/21/2016		0.91 (J)		4.5
9/15/2016	6.7		1.1	
9/19/2016		1.3		
9/21/2016				2.8
11/2/2016	5.4			
11/3/2016		1.5	1.6	6.7
1/17/2017		<1.2 (*)		<1.1 (*)
1/18/2017	5.5		1.5	
3/24/2017		0.86 (J)	1.6	
3/27/2017				0.85 (J)
3/28/2017	2.9			
5/24/2017		1.2		
6/6/2017			4.1	6.1
6/7/2017	2.3			
9/25/2017			1.9	3.5
9/26/2017	3.2	4.2		
12/28/2017		7.4 (Y)		
3/14/2018	3.8	3.8	11.5	10.9 (J)
9/12/2018	3.7	1.7	1.8	3.7
3/13/2019		2.1		
3/14/2019			6.2	8.9
3/15/2019	3			



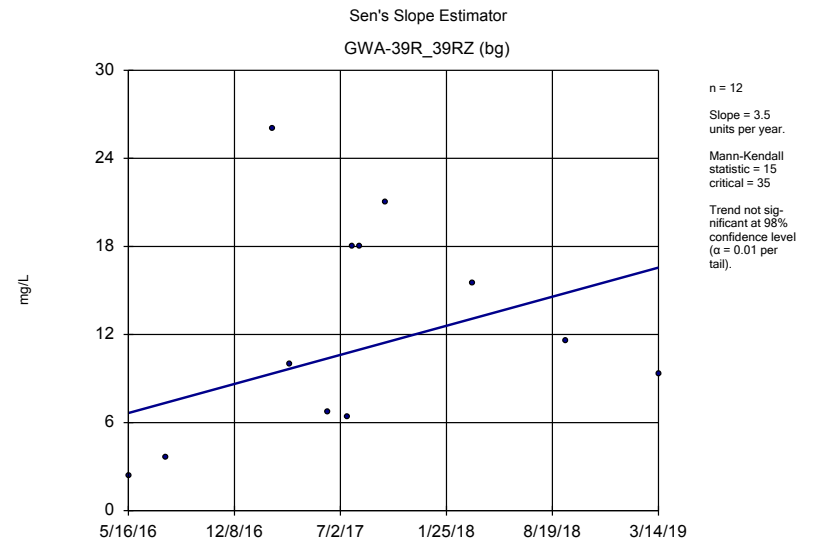
Constituent: Sulfate Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Sulfate Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Sulfate Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



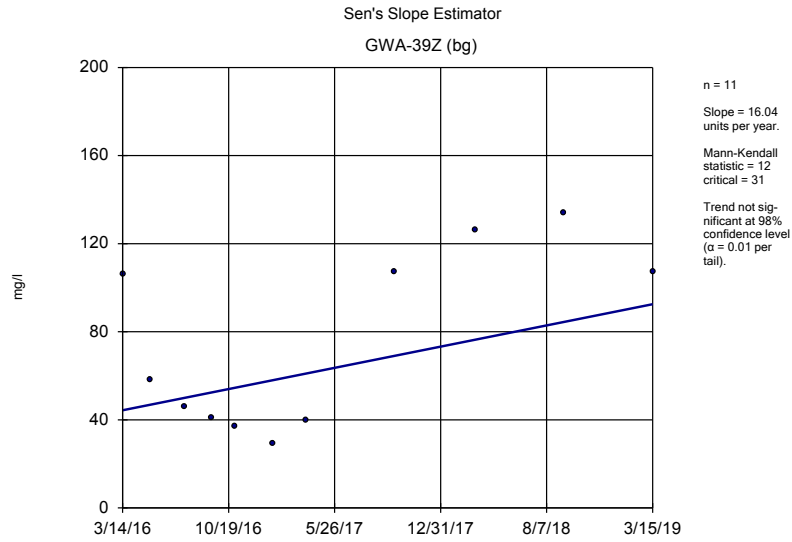
Constituent: Sulfate Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Sen's Slope Estimator

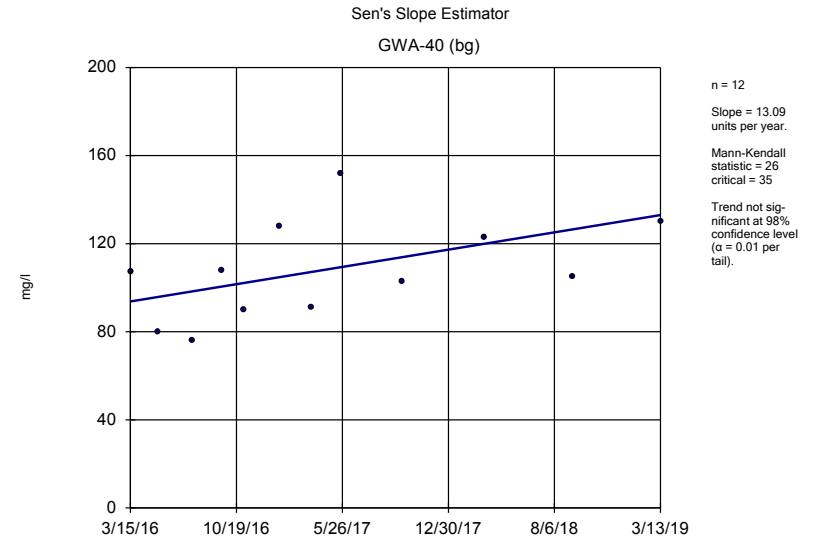
Constituent: Sulfate Analysis Run 8/28/2019 10:58 AM View: background Sen's slope

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

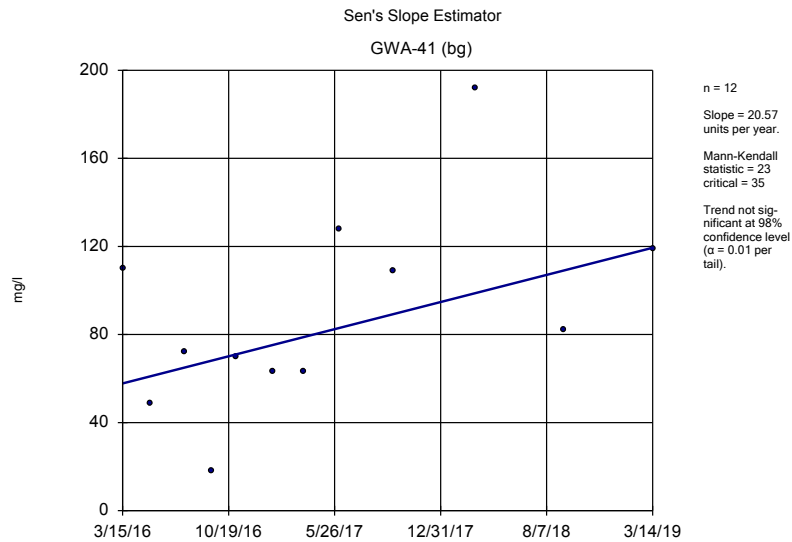
	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-39R_39RZ ...
3/11/2016	1.4538	1.1313	3.8282	
5/13/2016		1.96	3.56	
5/16/2016	1.18			2.4 (D)
7/19/2016		1.3	5.6	
7/22/2016	1.8			
7/27/2016				3.6 (D)
9/16/2016		1.1	6.7	
9/19/2016	1.4			
11/2/2016		1.2	8.1	
11/3/2016	1.6			
1/17/2017	<1.8 (*)			
1/18/2017		0.84 (J)	8.9	
2/21/2017				26 (D)
3/27/2017	2			10 (D)
3/28/2017		0.7 (J)	8.2	
6/6/2017		0.47 (J)	7	
6/7/2017	1.9			
6/8/2017				6.7 (D)
7/17/2017				6.4 (D)
7/27/2017				18 (D)
8/9/2017				18 (D)
9/22/2017		0.59 (J)	8.3	
9/26/2017	2			
9/29/2017				21 (D)
3/14/2018	2.1	0.39 (J)		
3/15/2018			5.1	
3/16/2018				15.5
9/12/2018		0.3 (J)	5.6	
9/14/2018	1.6			11.6
3/13/2019			4.4	
3/14/2019	2.2			9.3



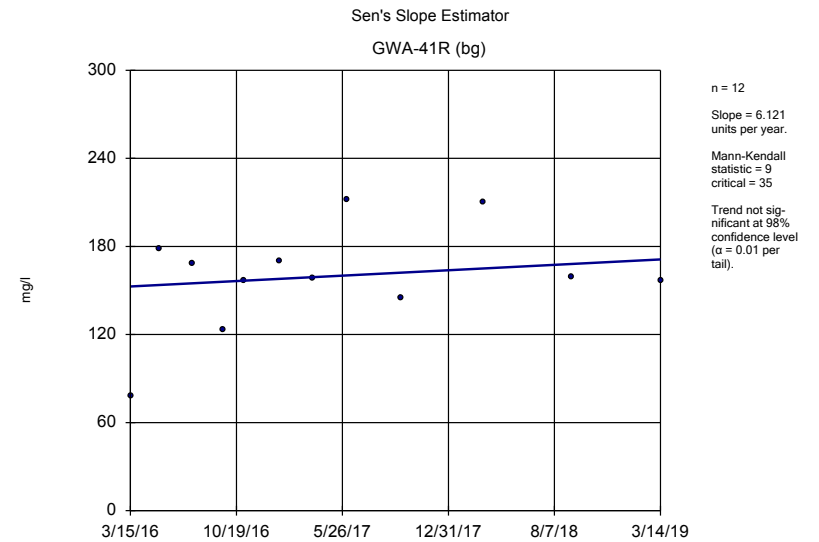
Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

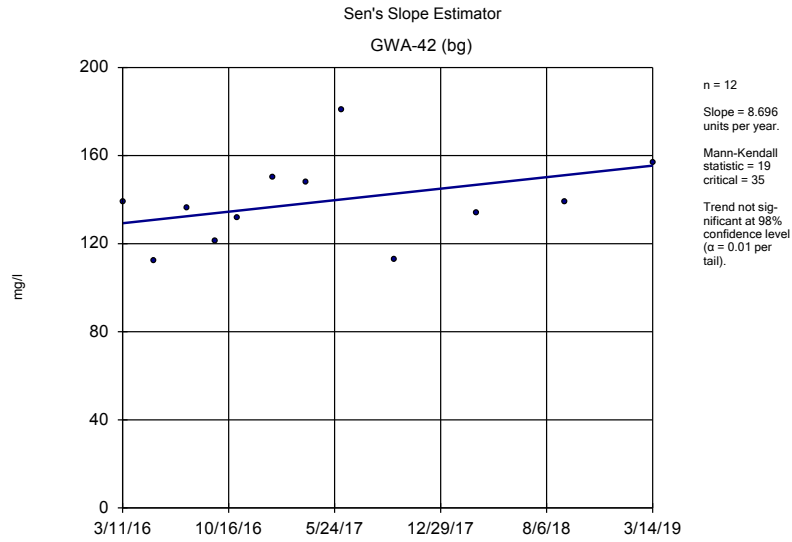
# Sen's Slope Estimator

Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:58 AM View: background Sen's slope

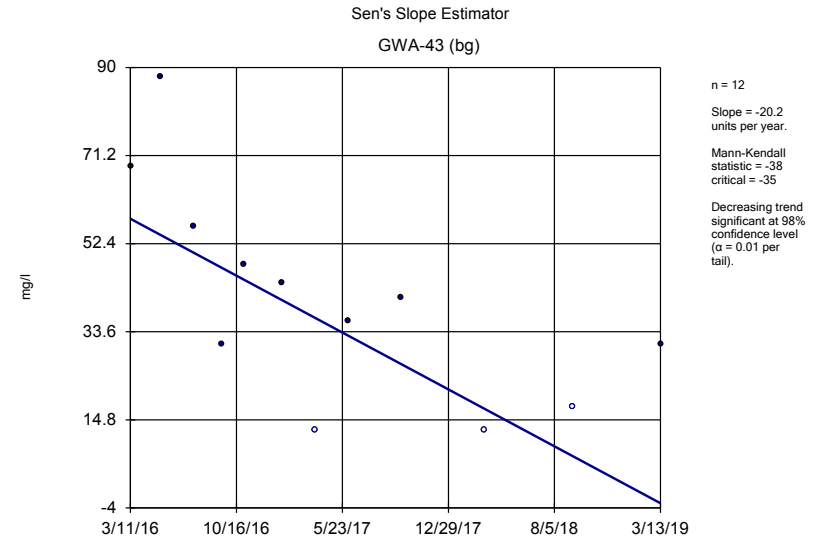
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016	106			
3/15/2016		107	110	78
5/11/2016	58	80		
5/12/2016			49	
5/13/2016				178
7/19/2016	46			
7/20/2016			72	
7/21/2016		76		168
9/15/2016	41		18 (J)	
9/19/2016		108		
9/21/2016				123
11/2/2016	37			
11/3/2016		90	70	157
1/17/2017		128		170
1/18/2017	29		63	
3/24/2017		91	63	
3/27/2017				158
3/28/2017	40			
5/24/2017		152		
6/6/2017			128	212
9/25/2017			109	145
9/26/2017	107	103		
3/14/2018	126	123	192	210
9/12/2018	134	105	82	159
3/13/2019		130		
3/14/2019			119	157
3/15/2019	107			

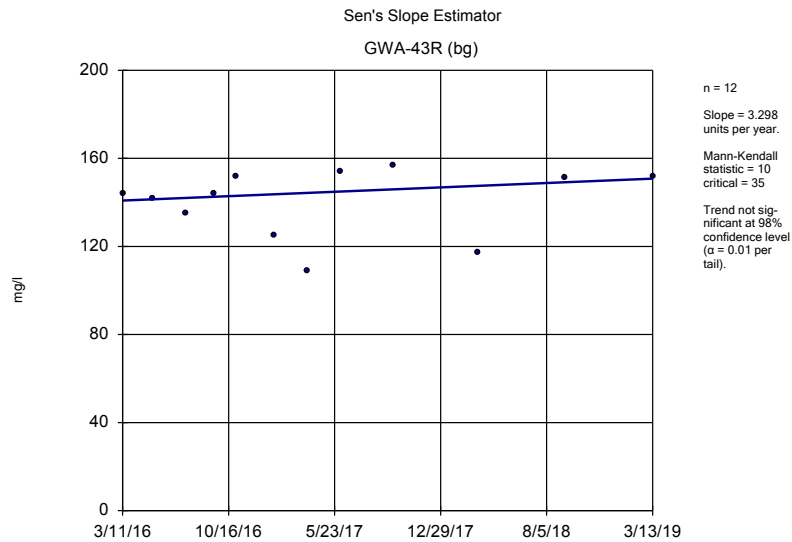




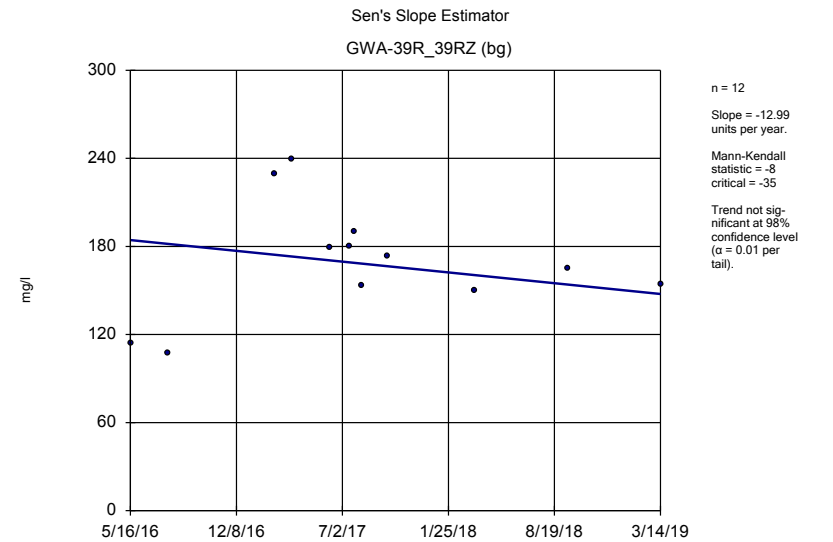
Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



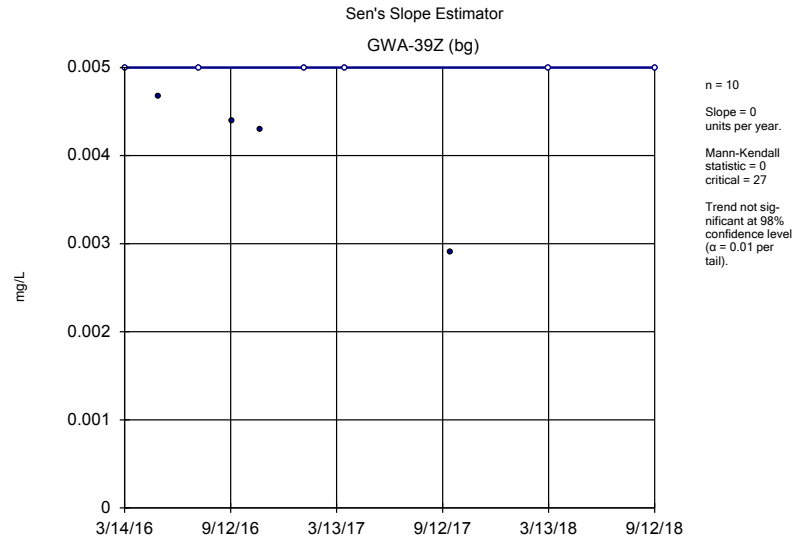
Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Sen's Slope Estimator

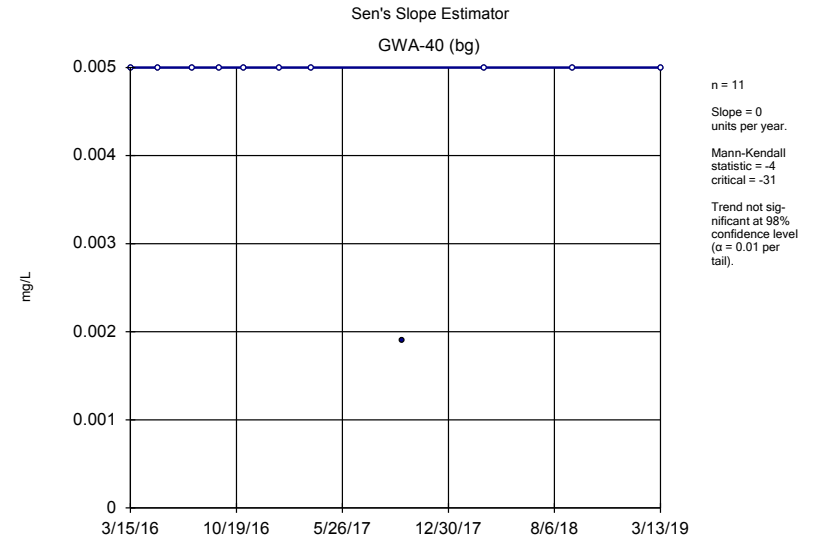
Constituent: Total Dissolved Solids Analysis Run 8/28/2019 10:58 AM View: background Sen's slope

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

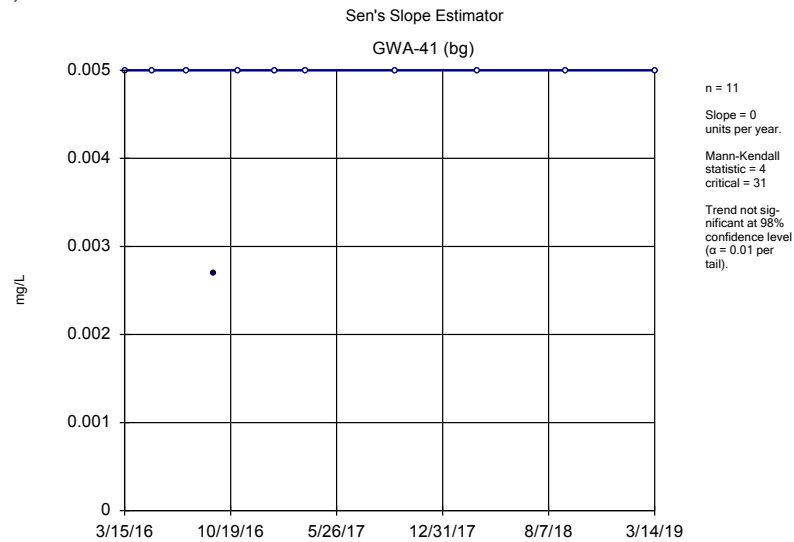
	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-39R_39RZ ...
3/11/2016	139	69	144	
5/13/2016		88	142	
5/16/2016	112			114 (D)
7/19/2016		56	135	
7/22/2016	136			
7/27/2016				107 (D)
9/16/2016		31	144	
9/19/2016	121			
11/2/2016		48	152	
11/3/2016	132			
1/17/2017	150			
1/18/2017		44	125	
2/21/2017				229 (D)
3/27/2017	148			239 (D)
3/28/2017		<25	109	
6/6/2017		36	154	
6/7/2017	181			
6/8/2017				179 (D)
7/17/2017				180 (D)
7/27/2017				190 (D)
8/9/2017				153 (D)
9/22/2017		41	157	
9/26/2017	113			
9/29/2017				173 (D)
3/14/2018	134	<25		
3/15/2018			117	
3/16/2018				150
9/12/2018		<35	151	
9/14/2018	139			165
3/13/2019		31	152	
3/14/2019	157			154



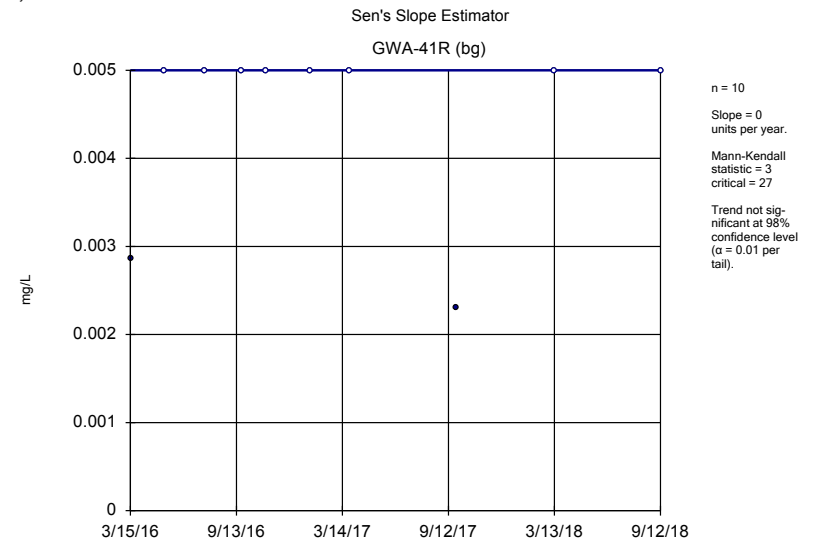
Constituent: Zinc Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Zinc Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

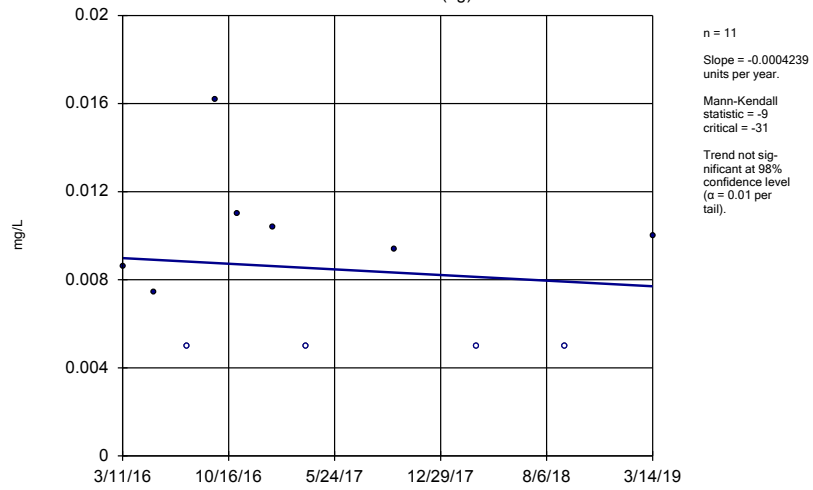
# Sen's Slope Estimator

Constituent: Zinc Analysis Run 8/28/2019 10:58 AM View: background Sen's slope

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

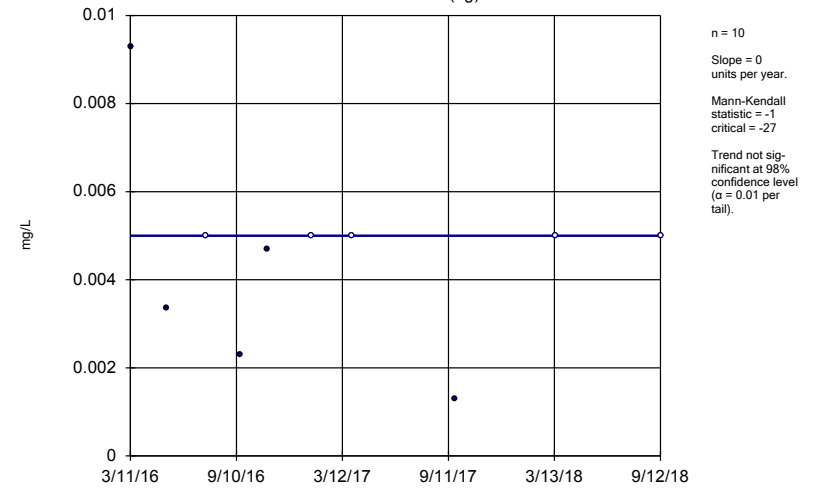
	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016	<0.01			
3/15/2016		<0.01	<0.01	0.00286 (J)
5/11/2016	0.00467 (J)	<0.01		
5/12/2016			<0.01	
5/13/2016				<0.01
7/19/2016	<0.01 (*)			
7/20/2016			<0.01	
7/21/2016		<0.01 (*)		<0.01 (*)
9/15/2016	0.0044 (J)	<0.01	0.0027 (J)	
9/21/2016				<0.01
11/2/2016	0.0043 (J)			
11/3/2016		<0.01	<0.01	<0.01
1/17/2017		<0.01		<0.01
1/18/2017	<0.01 (*)		<0.01 (*)	
3/24/2017		<0.01 (*)	<0.01 (*)	
3/27/2017				<0.01 (*)
3/28/2017	<0.01 (*)			
9/25/2017			<0.01	0.0023 (J)
9/26/2017	0.0029 (J)	0.0019 (J)		
3/14/2018	<0.01	<0.01	<0.01	<0.01
9/12/2018	<0.01	<0.01	<0.01	<0.01
3/13/2019		<0.01		
3/14/2019			<0.01	

Sen's Slope Estimator  
GWA-42 (bg)



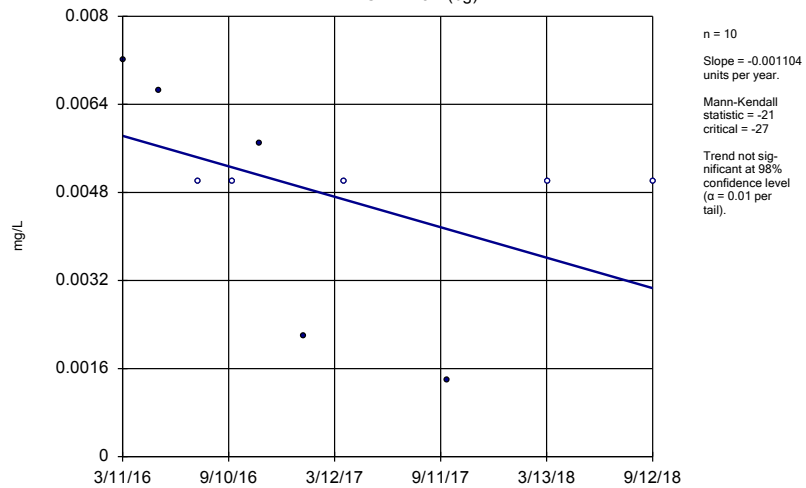
Constituent: Zinc Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-43 (bg)



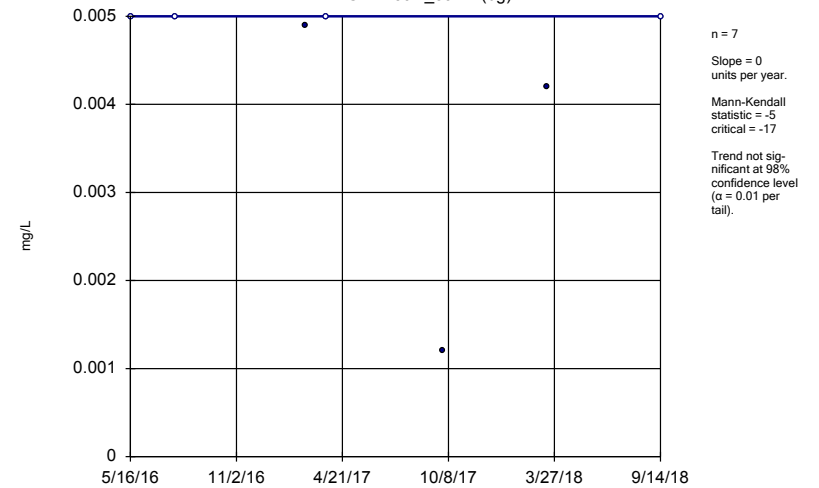
Constituent: Zinc Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-43R (bg)



Constituent: Zinc Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWA-39R\_39RZ (bg)



Constituent: Zinc Analysis Run 8/28/2019 10:57 AM View: background Sen's slope  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Sen's Slope Estimator

Constituent: Zinc Analysis Run 8/28/2019 10:58 AM View: background Sen's slope

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-39R_39RZ ...
3/11/2016	0.00862 (J)	0.0093 (J)	0.00722 (J)	
5/13/2016		0.00336 (J)	0.00666 (J)	
5/16/2016	0.00744 (J)			<0.01 (D)
7/19/2016		<0.01 (*)	<0.01 (*)	
7/22/2016	<0.01 (*)			
7/27/2016				<0.01 (*)
9/16/2016		0.0023 (J)	<0.01	
9/19/2016	0.0162			
11/2/2016		0.0047 (J)	0.0057 (J)	
11/3/2016	0.011			
1/17/2017	0.0104			
1/18/2017		<0.01	0.0022 (J)	
2/21/2017				0.0049 (J)
3/27/2017	<0.01 (*)			<0.01 (*)
3/28/2017		<0.01 (*)	<0.01	
9/22/2017		0.0013 (J)	0.0014 (J)	
9/26/2017	0.0094 (J)			
9/29/2017				0.0012 (JD)
3/14/2018	<0.01	<0.01		
3/15/2018			<0.01	
3/16/2018				0.0042 (J)
9/12/2018		<0.01	<0.01	
9/14/2018	<0.01			<0.01
3/14/2019	0.01			

# Trend Test - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR Printed 8/28/2019, 3:26 PM

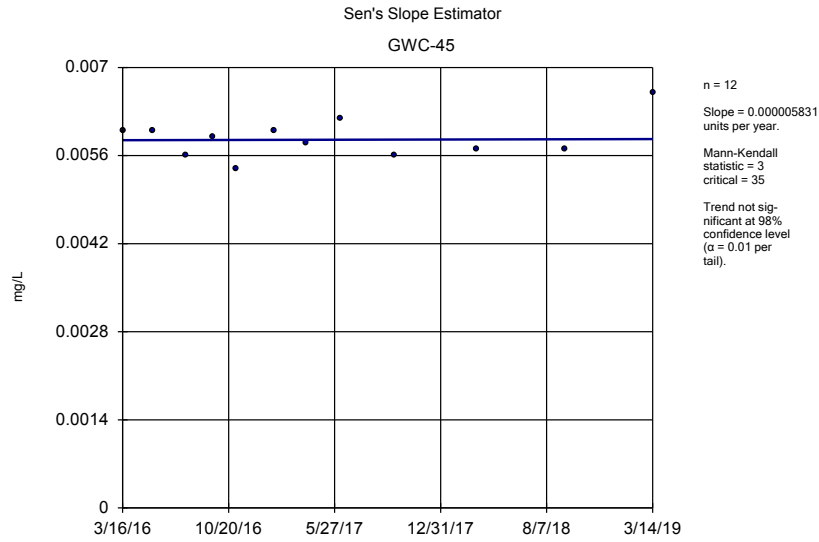
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
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# Trend Test - All Results

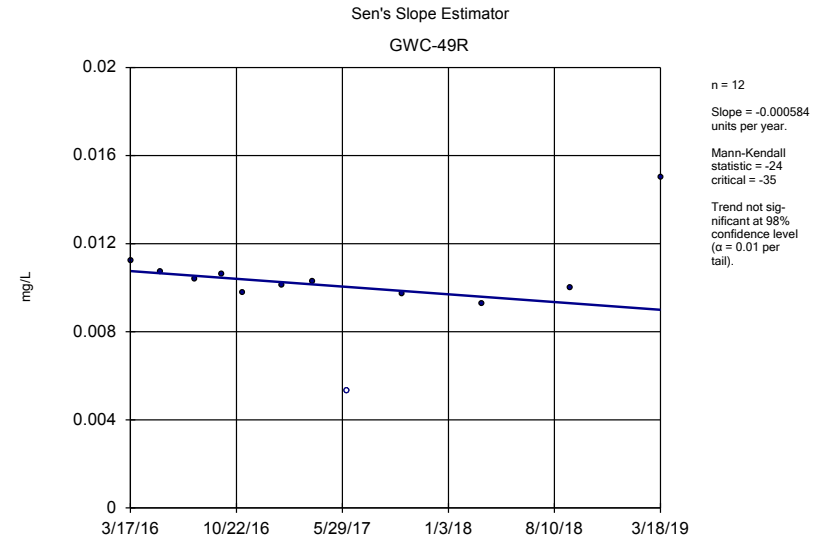
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR Printed 8/28/2019, 3:26 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWC-45	0.000...	3	35	No	12	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWC-49R	-0.00...	-24	-35	No	12	8.333	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-44	2.411	15	35	No	12	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-49R	0.5524	6	35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-45	-0.09522	-17	-35	No	12	16.67	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-48	0.2817	33	35	No	12	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-49R	0.08912	20	35	No	12	0	n/a	n/a	0.02	NP
Chromium (mg/L)	GWC-47R	0.000...	12	35	No	12	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-44	-0.07996	-27	-39	No	13	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-45	-0.03945	-17	-39	No	13	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-48	-0.03901	-17	-39	No	13	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWC-44	13.39	35	39	No	13	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWC-45R	0.2202	16	35	No	12	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWC-47R	1.351	15	35	No	12	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWC-49R	0.3221	29	39	No	13	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWC-45	5.525	28	35	No	12	50	n/a	n/a	0.02	NP
Zinc (mg/L)	GWC-47	0.001506	6	35	No	12	16.67	n/a	n/a	0.02	NP

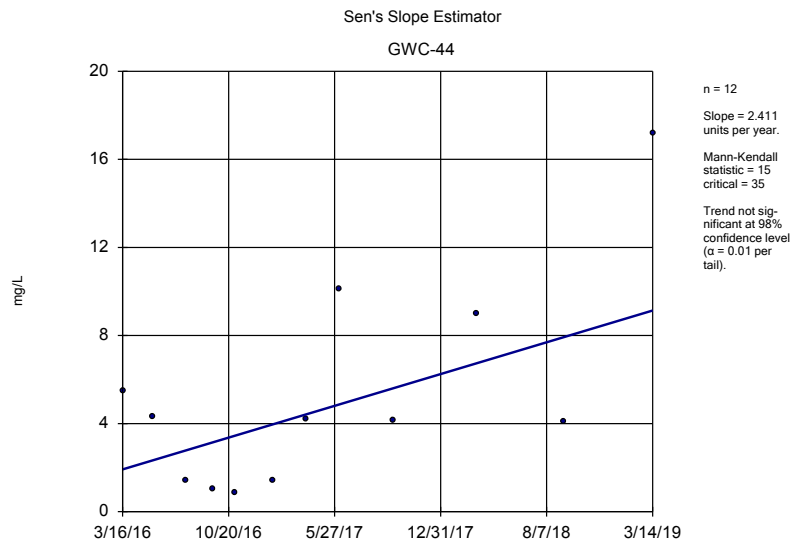




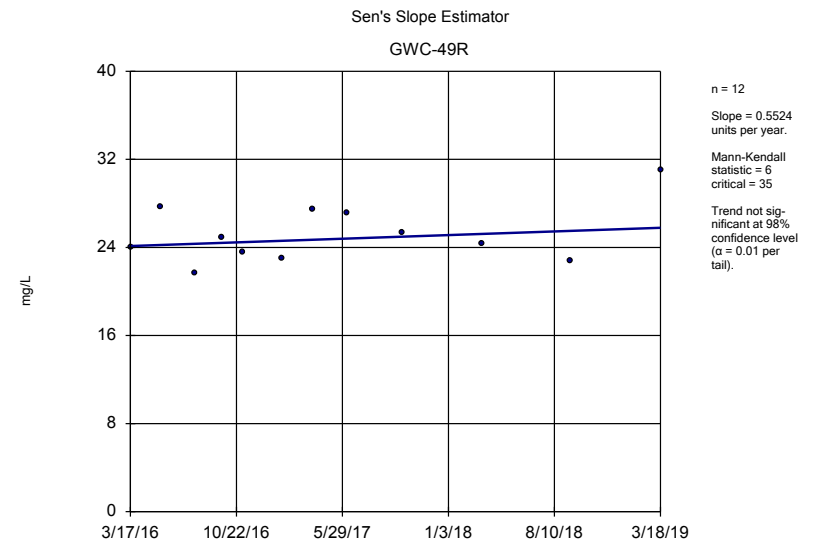
Constituent: Barium Analysis Run 8/28/2019 3:23 PM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Barium Analysis Run 8/28/2019 3:23 PM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Calcium Analysis Run 8/28/2019 3:23 PM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



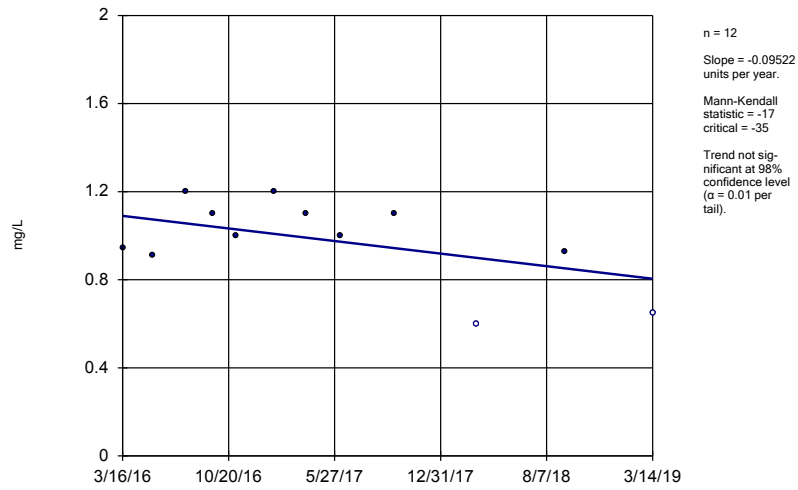
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Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Sen's Slope Estimator

Constituent: Barium, Calcium Analysis Run 8/28/2019 3:26 PM View: Sens slope compliance wells  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

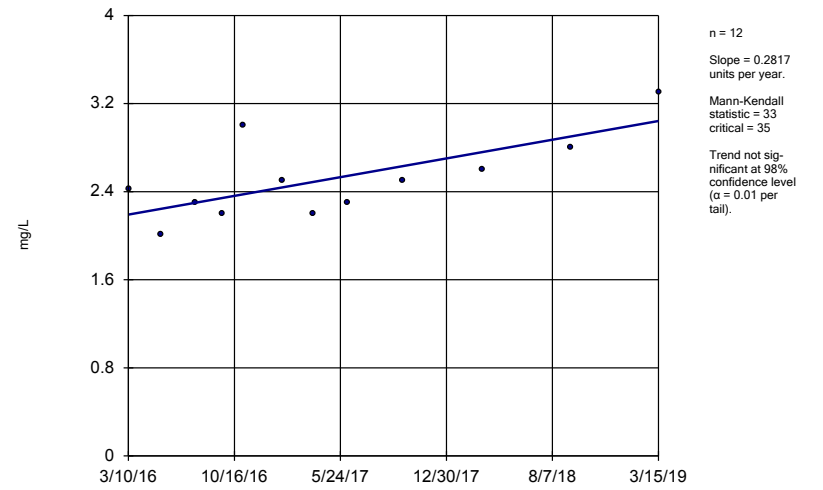
	GWC-45	GWC-49R	GWC-44	GWC-49R
3/16/2016	0.00599 (J)		5.5	
3/17/2016		0.0112		24
5/16/2016	0.006 (J)		4.3	
5/18/2016		0.0107		27.7
7/25/2016	0.0056 (J)		1.41	
7/27/2016		0.0104		21.7
9/19/2016	0.0059 (J)		1.01	
9/21/2016		0.0106		24.9
11/3/2016			0.884	
11/4/2016	0.0054 (J)	0.0098 (J)		23.6
1/19/2017			1.41	
1/23/2017	0.006 (J)			
1/24/2017		0.0101		23
3/28/2017			4.23	
3/29/2017	0.0058 (J)	0.0103		27.5
6/5/2017			10.1	
6/7/2017	0.0062 (J)			
6/8/2017		<0.0106 (*)		27.1
9/26/2017			4.14	
9/27/2017	0.0056 (J)			
9/29/2017		0.0097 (J)		25.3
3/15/2018	0.0057 (J)	0.0093 (J)	9	24.4 (J)
9/12/2018			4.1	
9/13/2018	0.0057 (J)	0.01		22.8 (J)
3/14/2019	0.0066 (X)		17.2 (X)	
3/18/2019		0.015		31

Sen's Slope Estimator  
GWC-45



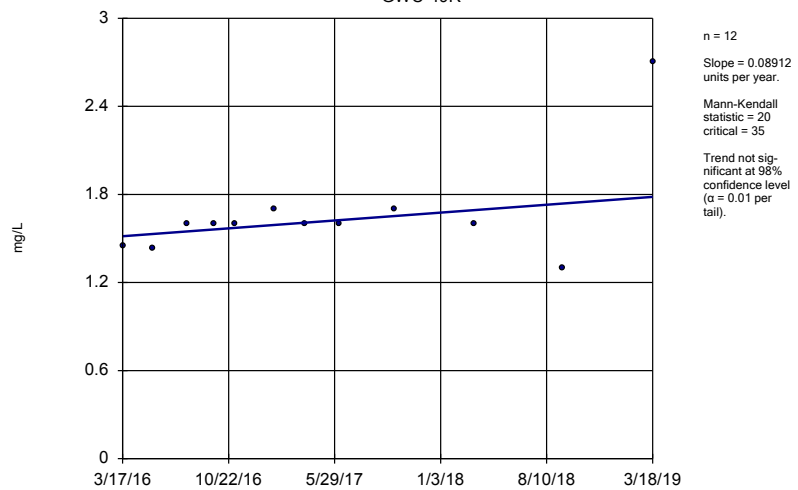
Constituent: Chloride Analysis Run 8/28/2019 3:23 PM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWC-48



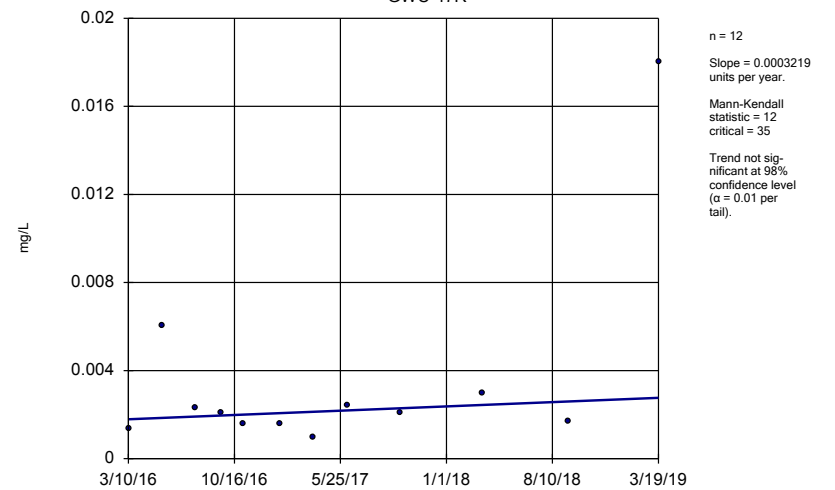
Constituent: Chloride Analysis Run 8/28/2019 3:23 PM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWC-49R



Constituent: Chloride Analysis Run 8/28/2019 3:23 PM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWC-47R



Constituent: Chromium Analysis Run 8/28/2019 3:23 PM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

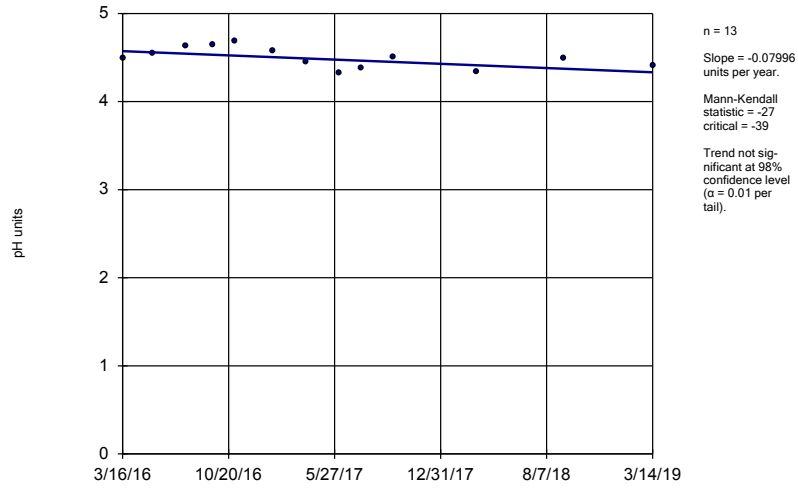
# Sen's Slope Estimator

Constituent: Chloride, Chromium Analysis Run 8/28/2019 3:26 PM View: Sens slope compliance wells

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

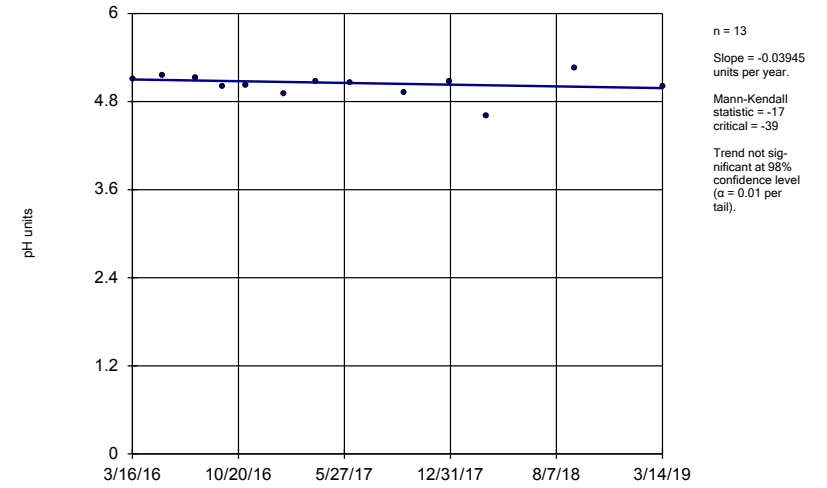
	GWC-45	GWC-48	GWC-49R	GWC-47R
3/10/2016		2.4266		0.00136 (J)
3/16/2016	0.9445			
3/17/2016			1.4476	
5/16/2016	0.9104			
5/17/2016		2.01		
5/18/2016			1.43	0.00606 (J)
7/25/2016	1.2			
7/27/2016		2.3	1.6	0.0023 (J)
9/19/2016	1.1			
9/20/2016		2.2		0.0021 (J)
9/21/2016			1.6	
11/4/2016	1	3	1.6	0.0016 (J)
1/20/2017				0.0016 (J)
1/23/2017	1.2	2.5		
1/24/2017			1.7	
3/28/2017		2.2		
3/29/2017	1.1		1.6	0.001 (J)
6/7/2017	1			
6/8/2017		2.3	1.6	0.0024 (J)
9/27/2017	1.1			0.0021 (J)
9/29/2017		2.5	1.7	
3/15/2018	<1.2	2.6	1.6	
3/16/2018				0.003 (J)
9/13/2018	0.93	2.8	1.3	0.0017 (J)
3/14/2019	<1.3			
3/15/2019		3.3		
3/18/2019			2.7	
3/19/2019				0.018

Sen's Slope Estimator  
GWC-44



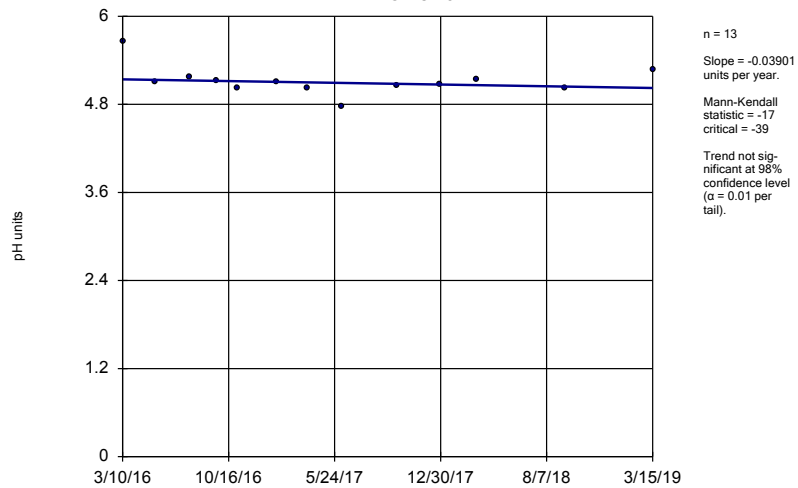
Constituent: pH Analysis Run 8/28/2019 3:23 PM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWC-45



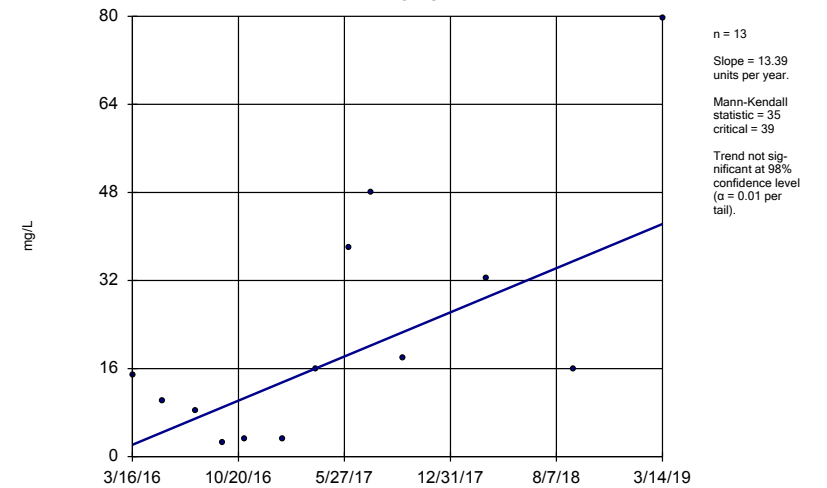
Constituent: pH Analysis Run 8/28/2019 3:23 PM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWC-48



Constituent: pH Analysis Run 8/28/2019 3:23 PM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

Sen's Slope Estimator  
GWC-44



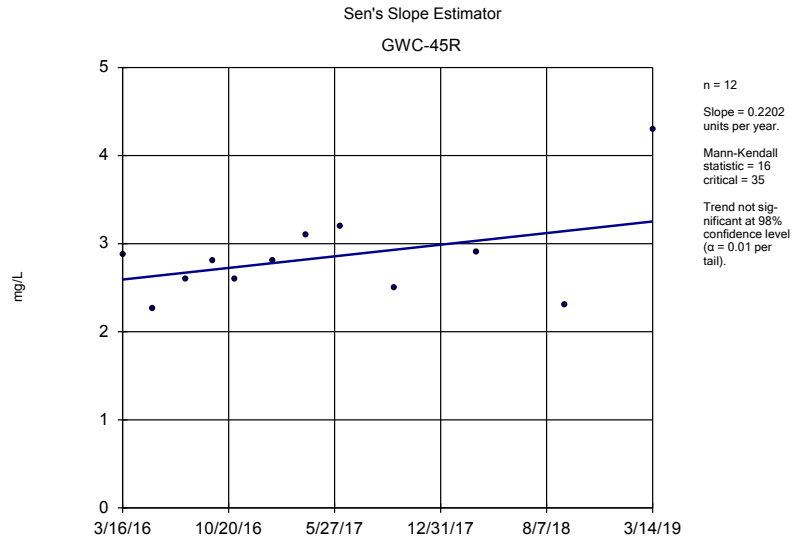
Constituent: Sulfate Analysis Run 8/28/2019 3:23 PM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Sen's Slope Estimator

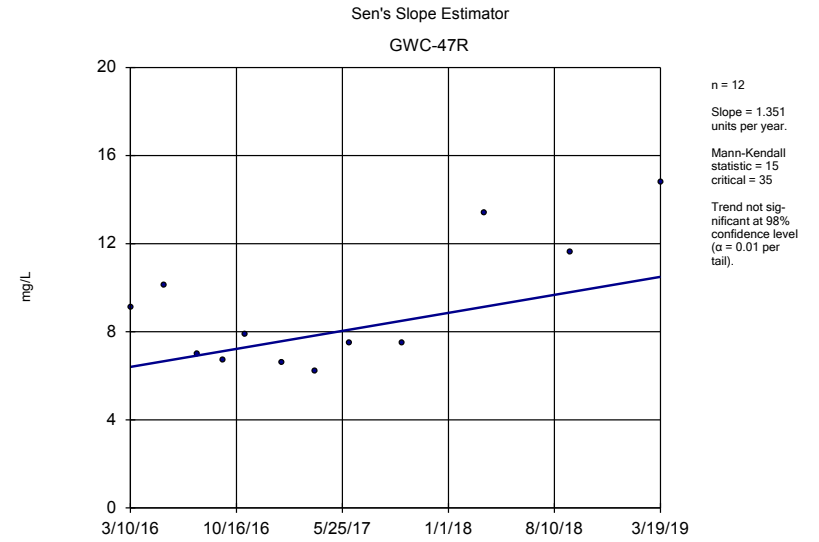
Constituent: pH, Sulfate Analysis Run 8/28/2019 3:26 PM View: Sens slope compliance wells

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

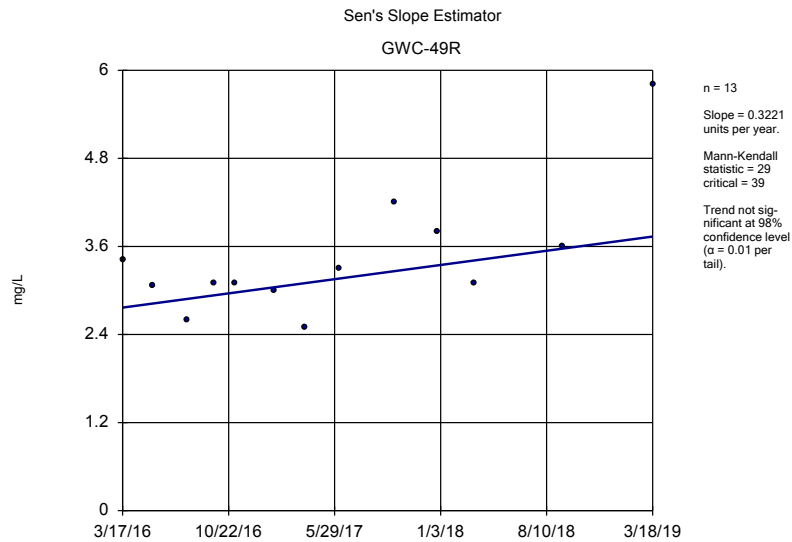
	GWC-44	GWC-45	GWC-48	GWC-44
3/10/2016			5.66	
3/16/2016	4.49	5.1		14.7828
5/16/2016	4.55	5.15		10.2
5/17/2016			5.11	
7/25/2016	4.63	5.13		8.4
7/27/2016			5.17	
9/19/2016	4.65	5		2.5
9/20/2016			5.12	
11/3/2016	4.69			3.3
11/4/2016		5.02	5.03	
1/19/2017	4.58			3.2
1/23/2017		4.9	5.1	
3/28/2017	4.45		5.03	16 (J)
3/29/2017		5.08		
6/5/2017	4.33			38
6/7/2017		5.06		
6/8/2017			4.77	
7/20/2017	4.38			48
9/26/2017	4.51			18
9/27/2017		4.92		
9/29/2017			5.06	
12/28/2017			5.07 (Y)	
12/29/2017		5.08 (Y)		
3/15/2018	4.34	4.6	5.14	32.4
9/12/2018	4.49			16
9/13/2018		5.26	5.02	
3/14/2019	4.41	5.01		79.7
3/15/2019			5.28	



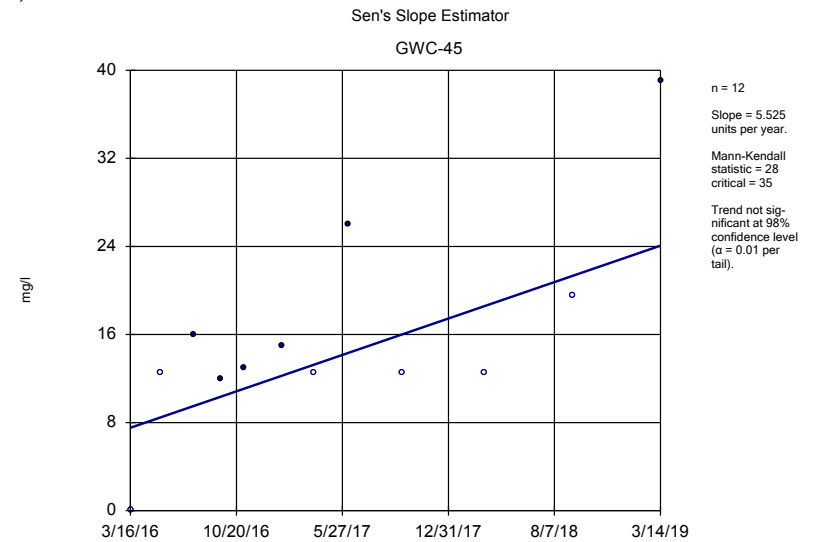
Constituent: Sulfate Analysis Run 8/28/2019 3:23 PM View: Sens slope compliance wells  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Sulfate Analysis Run 8/28/2019 3:23 PM View: Sens slope compliance wells  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Sulfate Analysis Run 8/28/2019 3:24 PM View: Sens slope compliance wells  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR



Constituent: Total Dissolved Solids Analysis Run 8/28/2019 3:24 PM View: Sens slope compliance wells  
 Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Sen's Slope Estimator

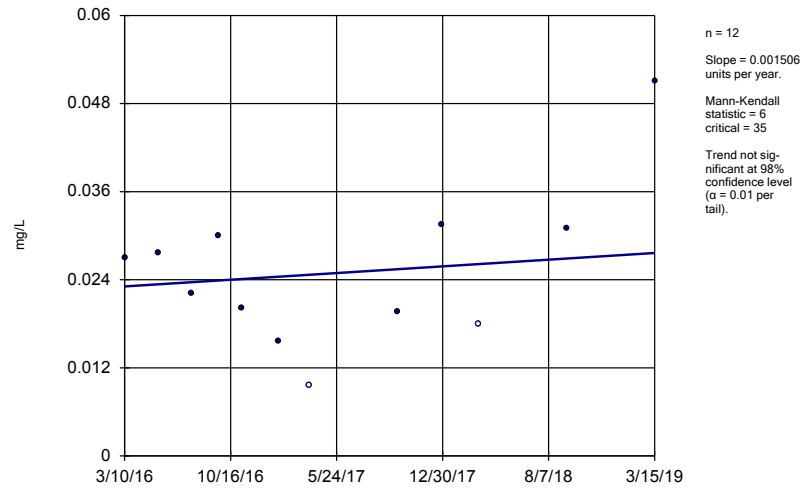
Constituent: Sulfate, Total Dissolved Solids Analysis Run 8/28/2019 3:26 PM View: Sens slope compliance wells

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

	GWC-45R	GWC-47R	GWC-49R	GWC-45
3/10/2016		9.1279		
3/16/2016	2.8721			<0.01
3/17/2016			3.4197	
5/16/2016	2.27			<25
5/18/2016		10.1	3.06	
7/25/2016	2.6			16 (J)
7/27/2016		7	2.6	
9/19/2016	2.8			12 (J)
9/20/2016		6.7		
9/21/2016			3.1	
11/3/2016	2.6			
11/4/2016		7.9	3.1	13 (J)
1/20/2017	2.8	6.6		
1/23/2017				15 (J)
1/24/2017			3	
3/29/2017	3.1	6.2	2.5	<25
6/7/2017	3.2			26
6/8/2017		7.5	3.3	
9/27/2017	2.5	7.5		<25
9/29/2017			4.2	
12/28/2017			3.8 (Y)	
3/15/2018	2.9		3.1	<25
3/16/2018		13.4		
9/13/2018	2.3	11.6	3.6	<39
3/14/2019	4.3			39 (X)
3/18/2019			5.8	
3/19/2019		14.8		



Sen's Slope Estimator  
GWC-47



Constituent: Zinc Analysis Run 8/28/2019 3:24 PM View: Sens slope compliance wells  
Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

# Sen's Slope Estimator

Constituent: Zinc Analysis Run 8/28/2019 3:26 PM View: Sens slope compliance wells

Plant Bowen Client: Southern Company Data: Bowen 9&10 CCR

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	GWC-47
3/10/2016	0.027
5/18/2016	0.0277
7/27/2016	0.0221
9/20/2016	0.03
11/7/2016	0.0202
1/23/2017	0.0156
3/29/2017	<0.0192 (*)
9/27/2017	0.0196
12/28/2017	0.0315 (Y)
3/15/2018	<0.036
9/13/2018	0.031
3/15/2019	0.051

**APPENDIX D**  
**MEMORANDUM ON HYDROGEOLOGIC MONITORING PROGRAM**



## Memo

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**To:** Joju Abraham, P.G.  
Southern Company Services, Inc.

**From:** Rhonda Quinn, P.G. Wood Environment & Infrastructure Solutions, Inc.

**CC:** Greg Wrenn, P.E. Wood Environment & Infrastructure Solutions, Inc.

**Re:** Solid Waste Disposal Facility Permit No. 008-018D (LI) - Hydrogeological Monitoring Program November 1, 2018 through April 30, 2019  
08/26 /2019

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### Background

Wood Environment & Infrastructure Solutions, Inc. (Wood) was retained by Southern Company Services, Inc. (SCS), to assist with the hydrogeological (water level) monitoring program at Georgia Power Company's Plant Bowen (Site) monofill landfill cells 1 & 2, 3 & 4, 9 & 10. The work is being conducted to comply with Georgia Department of Natural Resources Environmental Protection Division (EPD) Solid Waste Permit No. 008-018D (LI) to assist with early detection of subsurface changes that might indicate land subsidence or sinkhole formation. Groundwater level fluctuations are monitored in accordance with Section 3.6.5 of the *Plant Bowen Proposed Coal Combustion By-Product Monofill Addendum I Site Acceptability Report – Hydrogeological Assessment and Demonstration of Engineering Measures* (SCS 2004).<sup>1</sup>

The Site utilizes In-Situ<sup>®</sup> Instruments, Inc. Win-Situ<sup>®</sup> telemetry and reporting software and pressure transducers to collect and record groundwater elevations from monitoring wells located around the perimeter of the landfill cells. At Cells 1 & 2 of the solid waste landfill, transducers are deployed in five soil wells (GWA-1 (soil/rock), GWA-3, GWC-7Z, GWC-11, GWC-13, and GWC-15) and six rock wells (GWA-2R, GWC-6RZ, GWC-8RR, GWC-11R, GWC-13R, and GWC-15R). In 2015, the program was expanded to include Cells 3 & 4 where five soil wells (GWC-18, GWA-36, GWA-37, GWA-53, and GWA-55) and eight rock wells (GWC-16R, GWC-18R, GWC-21R, GWC-24R, GWC-25R, GWA-36R, GWA-53R, and GWA-55R) are equipped with transducers. In 2016, the program was expanded further to include Cells 9 & 10 where currently six soil wells (GWA-39Z, GWA-41, GWA-43, GWC-45, GWC-47, and GWC-49Z)

and six rock wells (GWA-39RZ, GWA-41R, GWA-43R, GWC-45R, GWC-47R, and GWC-49R) are equipped with transducers. Etowah River levels for the reporting period were obtained from a U.S. Geological Survey gauge (02394670) near Cartersville, Georgia. Rainfall data for this monitoring period was collected from U.S. Geological Survey gauge (02394670) rain gage monitoring station.

Water level data are electronically logged multiple times daily by each transducer. Most logged data are uploaded after each reading via satellite telemetry to a central In-Situ® database. Automated reports are accessible via the In-Situ® database website where the telemetry data are stored and compiled. Data from wells not connected to the site telemetry system are manually downloaded directly from the transducer because the transducers are set to log and store data internally multiple times throughout each day. Water level data are monitored for unusual groundwater level fluctuations.

### **Maintenance Observations**

During the reporting period, the following well locations (GWA-36, GWA-36R, GWA-37, GWA-39RZ, GWA-39Z, GWC-24R, GWC-49R, GWC-49Z, and GWC-7Z) were visited on three or more occasions for maintenance, manual data downloads, battery change outs, removal of transducer or controller unit and returned to In-Situ® for repairs. The data, during this reporting period, for these transducer locations are not continuous due to transducers being offline during repairs. During the past six-month period, transducers and telemetry units at locations GWC-24R, GWC-25R, GWA-39Z, GWA-39RZ, and GWC-49Z were returned to In-Situ® for repair. These transducers were removed for repairs and there was no data for these wells during the reporting period between November 2018 and January 2019 and until March 2019 for GWC-49Z. Wood has continued to update the firmware to current versions at each location since November 2018 to improve communication.

### **Water Level Fluctuations**

Continuous groundwater level data and river stage elevations were recorded between November 1, 2018 and April 30, 2019. Reporting period hydrographs for Cells 1 & 2, 3 & 4, and 9 & 10 are shown in Figures 1A through 3B.

Table 1 lists the groundwater sampling, water level gaging and transducer maintenance activities during the reporting period and are considered known disruptions. Figures 1A through 3B show the transducer water level data for the reporting period. Table 2 summarizes the data gaps or maintenance issues for the reporting period and recommendations for repairs and includes the most recent repairs completed up to April 30, 2019. Repairs consisted of resetting reference water

elevation depth, resealing boxes, ant infestation control, and replacing power controller units and batteries. Over time the transducer elevation drifts, possibly attributed to the transducer being periodically removed for sampling, gauging or maintenance activities. To remedy this, in June 2018, maintenance was initiated to mark and mount the transducer cable to a fixed location such that the transducer is consistently returned to the same depth. When an adjustment is made, the reference depth to actual water elevation is re-set and the logging cycle re-started. The marking and securing of the transducers continued during this reporting period. Table 2 is a record of the maintenance completed during the reporting period.

The water levels in monitoring wells equipped with transducers exhibited similar overall trends during the reporting period. Groundwater elevations showed two increasing trends (one beginning November 2018, another beginning February 2019) followed by decreasing trends, which mimic the Etowah River levels in response to rain events and dry conditions (lack of rainfall). Within Cells 9 & 10, monitoring wells GWA-41R and GWA-41 show the most noticeable reaction to rainfall and Etowah River hydrograph activity observed on twelve rain events. Some of this hydrograph response may be attributable to the fluctuations in water levels in the nearby General Service Water Pond. Groundwater in both the overburden and bedrock aquifers responded to rainfall events; however, the time to peak groundwater elevations varied between wells. During this monitoring period, the potentiometric surface of the bedrock aquifer remained above the top of competent bedrock in the instrumented monitoring wells. This higher hydrostatic pressure of the bedrock aquifer limits removal of material from the overburden that could result in subsidence issues. The observed variations in groundwater elevations are attributed to rainfall variations, or due to sampling or maintenance activities at the monitoring points. A comparison of river stage and precipitation data with recorded groundwater elevations (Figures 1A through 3B) shows that both sets of data follow similar overall patterns.

### **Conclusions and Recommendations**

Observed disruptions in the transducer water level were found to be directly attributed to drawdown during sampling events, water level gauging, maintenance of wells, transducers, or telemetry units, or significant rainfall events. The November 1, 2018 to April 30, 2019 hydrologic monitoring data did not show water level fluctuations attributed to subsurface changes that might be indicative of land subsidence or sinkhole formation. Based on data for the current reporting period (November 1, 2018 through April 30, 2019), Wood recommends the following actions:

- Periodically calibrate elevations to correct for transducer elevation drift.
- Perform the necessary maintenance or replacement of non-functioning transducer equipment in wells to restore function and continue with routine transducer/telemetry system maintenance to ensure that future data are consistent.
- Manually download data, monthly, when a telemetry unit is offline (i.e. not transmitting data to the remote database). This will ensure that data are being reviewed on a consistent and timely basis.
- Trim tree branches as necessary to allow more sunlight to reach the solar panels and charge batteries.

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<sup>1</sup> SCS (Southern Company Services, Inc.), 2004. Plant Bowen Proposed Coal Combustion By-Product Monofill Addendum I Site Acceptability Report – Hydrogeological Assessment and Demonstration of Engineering Measures.

**Table 1**  
**Known Sampling and Gauging Events Relative to Water Level Fluctuations**  
**November 1, 2018 through April 30, 2019**  
**Georgia Power - Plant Bowen**  
**Wood Project No. 6122160287**

Solid Waste Disposal Cells	Well ID	Date Well Gauged	Date Well Sampled	Sampling Comments	Most Recent Transducer Network Maintenance Per Well	Comments
1&2	GWA-1	3/5/2019	3/20/2019	Groundwater CCR Event #12		
	GWA-2R	3/5/2019	3/19/2019	Groundwater CCR Event #12		
	GWA-3	3/5/2019	3/20/2019	Groundwater CCR Event #12		
	GWC-6RZ	3/5/2019	3/21/2019	Groundwater CCR Event #12		
	GWC-7Z	3/5/2019	3/21/2019	Groundwater CCR Event #12	5/9/2019	Reinstalled telemetry unit after repair.
					3/21/2019	Manual Download of Data
					3/7/2019	Manual Download of Data
					11/2/2018	Inspection
	GWC-8RR	3/5/2019	3/27/2019	Groundwater CCR Event #12		
	GWC-11	3/5/2019	3/23/2019	Groundwater CCR Event #12		
	GWC-11R	3/5/2019	3/23/2019	Groundwater CCR Event #12		
	GWC-13	3/5/2019	3/23/2019	Groundwater CCR Event #12		
	GWC-13R	3/5/2019	no longer sampled			
	GWC-13RZ	3/5/2019	3/22/2019 (GWC-13RZ)	Groundwater CCR Event #12 (GWC-13RZ)		Well GWC-13RZ does not have a transducer, but gauging and sampling in this well influences adjacent well GWC-13R which is equipped with a transducer. GWC-13RZ was sampled on the dates shown.
GWC-15 and GWC-15Z	3/5/2019 (GWC-15 and GWC-15Z)	3/22/2019 (GWC-15Z)	Groundwater CCR Event #12 (GWC-15Z)		GWC-15 is equipped with a transducer. GWC-15 is no longer sampled, but is measured for water levels. Nearby well GWC-15Z is not equipped with a transducer, but gauging and sampling in this well influences adjacent well GWC-15. GWC-15Z was sampled on the dates shown.	
GWC-15R	3/5/2019	3/25/2019	Groundwater CCR Event #12			



**Table 1**  
**Known Sampling and Gauging Events Relative to Water Level Fluctuations**  
**November 1, 2018 through April 30, 2019**  
**Georgia Power - Plant Bowen**  
**Wood Project No. 6122160287**

Solid Waste Disposal Cells	Well ID	Date Well Gauged	Date Well Sampled	Sampling Comments	Most Recent Transducer Network Maintenance Per Well	Comments
3&4	GWC-16R	3/5/2019	3/11/2019	Groundwater CCR Event #12	1/24/2019	Stopped current log and started a new log. Upgraded level Troll 500 from v3.03 to v3.06.
	GWC-18	3/5/2019	3/12/2019	Groundwater CCR Event #12	11/16/2018	Upgraded Firmware and Manual Download of Data
	GWC-18R	3/5/2019	3/12/2019	Groundwater CCR Event #12	11/16/2018	Upgraded Firmware and Manual Download of Data
	GWC-21R	3/5/2019	3/11/2019	Groundwater CCR Event #12	2/1/2019	Upgraded Firmware, Manual Download of Data, and Adjusted Reference Datum for Transducer. Tightened bolts, changed out desiccants
	GWC-24R	3/5/2019	3/8/2019	Groundwater CCR Event #12	1/11/2019	Reinstalled telemetry unit after repair. Installed re-charged battery
					11/16/2018	Controller unit removed for repair
					11/2/2018	Removed Transducer and cable for repair
	GWC-25R	3/5/2019	3/8/2019	Groundwater CCR Event #12	1/24/2019	Manual Download of Data
					11/18/2018 - 1/24/2019	Transducer returned for repair; reinstalled transducer 1/24/2019
					1/25/2019	Manual Download of Data
	GWA-36	3/5/2019	3/6/2019	Groundwater CCR Event #12	12/19/2018	Manual Download of Data
					11/2/2018	Inspection
					1/25/2019	Manual Download of Data
	GWA-36R	3/5/2019	3/7/2019	Groundwater CCR Event #12	11/9/2018	Controller unit removed for repair
					11/2/2018	Inspection
					3/7/2019	Manual download of data
	GWA-37	3/5/2019	3/6/2019	Groundwater CCR Event #12	2/1/2019	Manual download of data
11/16/2019					Manual download of data	
1/31/2019					Manual Download of data and changed desiccant tube.	
GWA-53	3/5/2019	3/8/2019	Groundwater CCR Event #12	11/2 & 16/2018	Manual download of data	
				1/31/2019	Upgraded Firmware, Manual Download of Data, and replaced Transducer	
GWA-53R	3/5/2019	3/12/2019	Groundwater CCR Event #12	11/2/2018	Inspection	
				1/31/2019	Manual download of data , upgraded firmware, and replaced transducer cable to data station pole & marked TOC on transducer cable	
GWA-55	3/5/2019	3/8/2019	Groundwater CCR Event #12	1/31/2019	Upgraded Firmware, Manual Download of Data, and Adjusted Reference Datum for Transducer	
GWA-55R	3/5/2019	3/7/2019	Groundwater CCR Event #12	3/21/2019	Manual Download of Data	

**Table 1**  
**Known Sampling and Gauging Events Relative to Water Level Fluctuations**  
**November 1, 2018 through April 30, 2019**  
**Georgia Power - Plant Bowen**  
**Wood Project No. 6122160287**

Solid Waste Disposal Cells	Well ID	Date Well Gauged	Date Well Sampled	Sampling Comments	Most Recent Transducer Network Maintenance Per Well	Comments
9 & 10	GWA-39RZ	3/5/2019	3/14/2019	Groundwater CCR Event #12	3/7/2019	Replaced Solar Panel; Manual Download of Data
					3/21/2019	Manual download of data
	GWA-39Z	3/5/2019	3/15/2019	Groundwater CCR Event #12	2/12/2019	Installed repaired telemetry box. Manual download of data
					1/11/2019	Synced transducer clock with telemetry system clock.
					11/16/2018	Telemetry unit returned for repair
	GWA-41	3/5/2019	3/14/2019	Groundwater CCR Event #12		
	GWA-41R	3/5/2019	3/14/2019	Groundwater CCR Event #12	1/31/2019	Manual download of data. Synced transducer clock with telemetry system clock. Replaced desiccant tube and cleared out clogged tube. Cleaned tree pollen off of solar panel.
	GWA-42	3/5/2019	3/14/2019	Groundwater CCR Event #12	2018	Transducer removed and sent to In-situ for repair. No current plans for re-installment.
	GWA-43	3/5/2019	3/13/2019	Groundwater CCR Event #12	1/31/2019	Upgraded firmware from v3.03 to v3.06. Manual download of data. Synced transducer clock with telemetry system clock.
	GWA-43R	3/5/2019	3/13/2019	Groundwater CCR Event #12	1/31/2019	Upgraded firmware from v3.03 to v3.06. Manual download of data. Synced transducer clock with telemetry system clock.
	GWC-45	3/5/2019	3/14/2019	Groundwater CCR Event #12	1/31/2019	Upgraded firmware from v3.03 to v3.06. Manual download of data. Synced transducer clock with telemetry system clock.
	GWC-45R	3/5/2019	3/14/2019	Groundwater CCR Event #12	1/31/2019	Manual Download of Data
	GWC-47	3/5/2019	3/15/2019	Groundwater CCR Event #12	1/31/2019	Manual Download of Data. Synced transducer clock with telemetry system clock. Replaced desiccant tube and cleared out clogged tube.
	GWC-47R	3/5/2019	3/19/2019	Groundwater CCR Event #12	3/21/2019	Repaired Telemetry Box Installed and Manual Download of Data
	GWC-49R	3/5/2019	3/18/2019	Groundwater CCR Event #12	3/7/2019	Manual download of data
12/19/2018					Manual download of data	
11/2/2018					Confirmed surface elevation, inspection	
GWC-49Z	3/5/2019	3/19/2019	Groundwater CCR Event #12	3/21/2019	Repaired Telemetry Box Installed	
				3/7/2019	Transducer Installed	
					11/2/2018	Confirmed surface elevation, inspection

Prepared by/Date: EIW/P 5/13/2019  
Checked by/Date: TRK 5/21/2019

**Table 2**  
Maintenance Information and Recommendations  
November 1, 2018 to April 30, 2019  
Georgia Power - Plant Bowen  
Project Number: 6122-16-0287

Cell	Monitoring Well	Date	Maintenance Information	Recommendations
Cells 1&2	GWA-1		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWA-2R		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWA-3		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWC-6RZ		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWC-7Z	5/9/2019	Reinstalled telemetry unit after repair.	Continue manual download of data. Work with In-situ to improve intermittent telemetry signal for recently installed modem.
		3/21/2019	Manual Download of Data	
		3/7/2019	Manual Download of Data	
		11/2/2018	Inspection	
Cells 1&2	GWC-8RR		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWC-11		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWC-11R		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWC-13		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWC-13R		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWC-15		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWC-15R		No functional issues during this reporting period.	No action needed.
Cells 3&4	GWC-16R	1/24/2019	Stopped current log and created a new log. Upgraded firmware for Level Troll 500 from v3.03 to v3.06. Manual download of data	No action needed.
Cells 3&4	GWC-18	11/16/2018	Upgraded firmware for Level Troll 500 from v3.03 to v3.06. Manual download of data	No action needed.
Cells 3&4	GWC-18R	11/16/2018	Upgraded firmware for Level Troll 500 from v3.03 to v3.06. Manual download of data	No action needed.
Cells 3&4	GWC-21R	2/1/2019	Upgraded firmware for Level Troll 500 from v3.03 to v3.06. Manual download of data. Adjusted Reference Datum for Transducer. Tightened bolts, changed out desiccants and replaced gasket.	Monitor and reset, if necessary, the reference depth to actual water elevation and restart logging.
Cells 3&4	GWC-24R	1/11/2019	Reinstalled telemetry unit after repair. Installed re-charged battery	
		11/16/2018	Controller unit removed for repair	Reinstall in well following repairs.
		11/2/2018	Removed Transducer and cable for repair	Reinstall in well following repairs.
Cells 3&4	GWC-25R	1/24&25/2019	Transducer reinstalled. Manual download of data	No action needed.
		11/18/2018 - 1/24/2019	Transducer returned for repair; reinstalled transducer 1/24/2019	Clean solar panels periodically
Cells 3&4	GWA-36	2/25/2019	Reinstalled telemetry unit	No action needed.
		1/25/2019	Manual download of data	
		12/19/2018	Manual download of data	
		11/9/2018	Controller unit pulled and returned to In-situ for repairs.	
		11/2/2018	Inspection	
Cells 3&4	GWA-36R	3/7/2019	Manual download of data	No action needed.
		2/25/2019	Reinstalled telemetry unit	
		1/25/2019	Manual download of data	
		11/9/2018	Controller unit pulled and returned to In-situ for repairs.	
		11/2/2018	Inspection	
Cells 3&4	GWA-37	2/1/2019	Manual download of data	No action needed.
		11/16/2019	Manual download of data	
		1/31/2019	Manual download of data and changed desiccant tube.	
Cells 3&4	GWA-53	1/31/2019	Upgraded Firmware, Manual Download of Data, and replaced Transducer	No action needed.
		11/2 & 16/2018	Manual download of data	
Cells 3&4	GWA-53R	1/31/2019	Manual download of data , upgraded firmware, and replaced transducer cable to data station pole & marked TOC on transducer cable	No action needed.
		11/2/2018	Inspection	
		3/21/2019	Manual download of data	

**Table 2**  
Maintenance Information and Recommendations  
November 1, 2018 to April 30, 2019  
Georgia Power - Plant Bowen  
Project Number: 6122-16-0287

Cell	Monitoring Well	Date	Maintenance Information	Recommendations
Cells 3&4	GWA-55	1/31/2019	Updated Firmware for Level Troll 500 from V3.03 to V3.06. Manual download of data. Replaced transducer cable to data station pole. Marked TOC on cable with zip tie and secured cable grip to fixed location so that any time transducer is removed, it can be redeployed to the same elevation. Set up and started new log with corrected groundwater elevation reference after transducer placed in final position. Replaced desiccants. Recorded battery % and memory % remaining.	No action needed.
Cells 3&4	GWA-55R	3/21/2019	Manual download of data	No action needed.
		1/31/2019	Updated Firmware for Level Troll 500 from V3.03 to V3.06. Manual download of data. Marked TOC on cable with zip tie and secured cable grip to fixed location so that any time transducer is removed, it can be redeployed to the same elevation. Set up and started new log with corrected groundwater elevation reference after transducer placed in final position. Replaced desiccants. Recorded battery % and memory % remaining.	
Cells 9&10	GWA-39RZ	3/21/2019	Manual download of data	No action needed.
		3/7/2019	Updated Firmware for Level Troll 500 from V3.03 to V3.06. Manual download of data. Marked TOC on cable with zip tie and secured cable grip to fixed location so that any time transducer is removed, it can be redeployed to the same elevation. Set up and started new log with corrected groundwater elevation reference after transducer placed in final position. Replaced desiccants. Recorded battery % and memory % remaining. Replaced solar panel.	
Cells 9&10	GWA-39Z	3/21/2019	Manual download of data	Re-install transducer and telemetry system
		3/7/2019	Replaced solar panel.	
		2/12/2019	Installed repaired telemetry box. Manual download of data	
		1/11/2019	Synced transducer clock with telemetry system clock.	
		11/16/2018	Removed telemetry system on 11/16/2018 to return to In-situ for diagnostics/repair.	
		11/2/2018	Pulled transducer to return to In-situ for repairs.	
Cells 9&10	GWA-41		No functional issues during this reporting period.	No action needed.
Cells 9&10	GWA-41R	1/31/2019	Manual download of data. Synced transducer clock with telemetry system clock. Replaced desiccant tube and cleared out clogged tube. Cleaned tree pollen off of solar panel.	No action needed.
Cells 9&10	GWA-42	2018	Transducer removed and sent to In-situ for repair. No current plans for re-installment.	Not needed in monitoring network.
Cells 9&10	GWA-43	1/31/2019	Mark and mount transducer cable to a fixed location so that the transducer is always returned to the same depth. Reset the reference depth to actual water elevation and restart logging. Replaced desiccant tube and cleared out clogged tube. Cleaned tree pollen off of solar panel. Upgraded firmware from v3.03 to v3.06. Manual download of data. Synced transducer clock with telemetry system clock.	No action needed.
Cells 9&10	GWA-43R	1/31/2019	Updated Firmware from V3.03 to V3.06. Downloaded all historical files. Marked TOC on cable with zip tie and secured cable grip to fixed location so that any time transducer is removed, it can be redeployed to the same elevation. Set up and started new log with corrected groundwater elevation reference after transducer placed in final position. Replaced desiccants. Recorded battery % and memory % remaining. Manual download of data. Synced transducer clock with telemetry system clock.	No action needed.
Cells 9&10	GWC-45	1/31/2019	Updated Firmware from V3.03 to V3.06. Downloaded all historical files. Marked TOC on cable with zip tie and secured cable grip to fixed location so that any time transducer is removed, it can be redeployed to the same elevation. Set up and started new log with corrected groundwater elevation reference after transducer placed in final position. Recorded battery % and memory % remaining. Manual download of data. Synced transducer clock with telemetry system clock. Replaced desiccants.	No action needed.

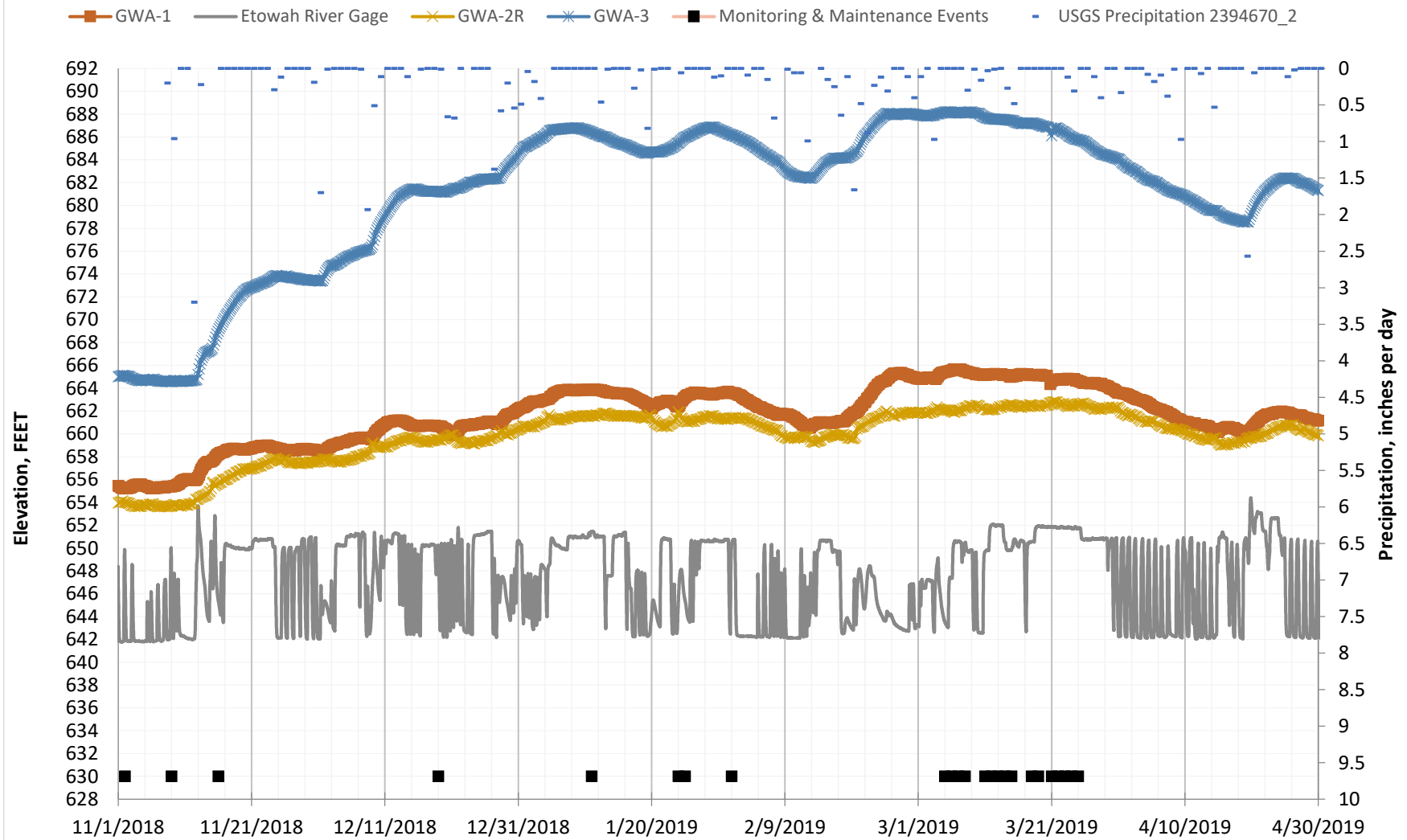
**Table 2**  
 Maintenance Information and Recommendations  
 November 1, 2018 to April 30, 2019  
 Georgia Power - Plant Bowen  
 Project Number: 6122-16-0287

Cell	Monitoring Well	Date	Maintenance Information	Recommendations
Cells 9&10	GWC-45R	1/31/2019	Updated Firmware from V3.03 to V3.06. Downloaded all historical files. Marked TOC on cable with zip tie and secured cable grip to fixed location so that any time transducer is removed, it can be redeployed to the same elevation. Set up and started new log with corrected groundwater elevation reference after transducer placed in final position. Replaced desiccants. Recorded battery % and memory % remaining. Manual download of data. Synced transducer clock with telemetry system clock.	No action needed.
Cells 9&10	GWC-47	1/31/2019	Manual download of data. Mark and mount transducer cable to a fixed location so that the transducer is always returned to the same depth. Reset the reference depth to actual water elevation and restart logging. Synced transducer clock with telemetry system clock. Replaced desiccant tube and cleared out clogged tube.	No action needed.
Cells 9&10	GWC-47R	3/21/2019	Manual download of data. Mark and mount transducer cable to a fixed location so that the transducer is always returned to the same depth. Reset the reference depth to actual water elevation and restart logging. Replaced desiccant tube and cleared out clogged tube. Repaired telemetry box installed.	Monitor telemetry operation to verify working properly
Cells 9&10	GWC-49R	3/7/2019	Manual download of data	No action needed.
		12/19/2018	Manual download of data	
		11/2/2018	Confirmed surface elevation, inspection	
Cells 9&10	GWC-49Z	3/21/2019	Installed repaired telemetry box. Manual download of data	Monitor telemetry operation to verify working properly
		3/7/2019	Transducer installed	
		11/2/2018	Confirmed surface elevation, inspection	
	River		Not updating on website since August 12, 2015. The status of this transducer is unknown.	Check with GPC/SCS on the status of this transducer. A USGS river gauge is currently being used as the source of the river water level.

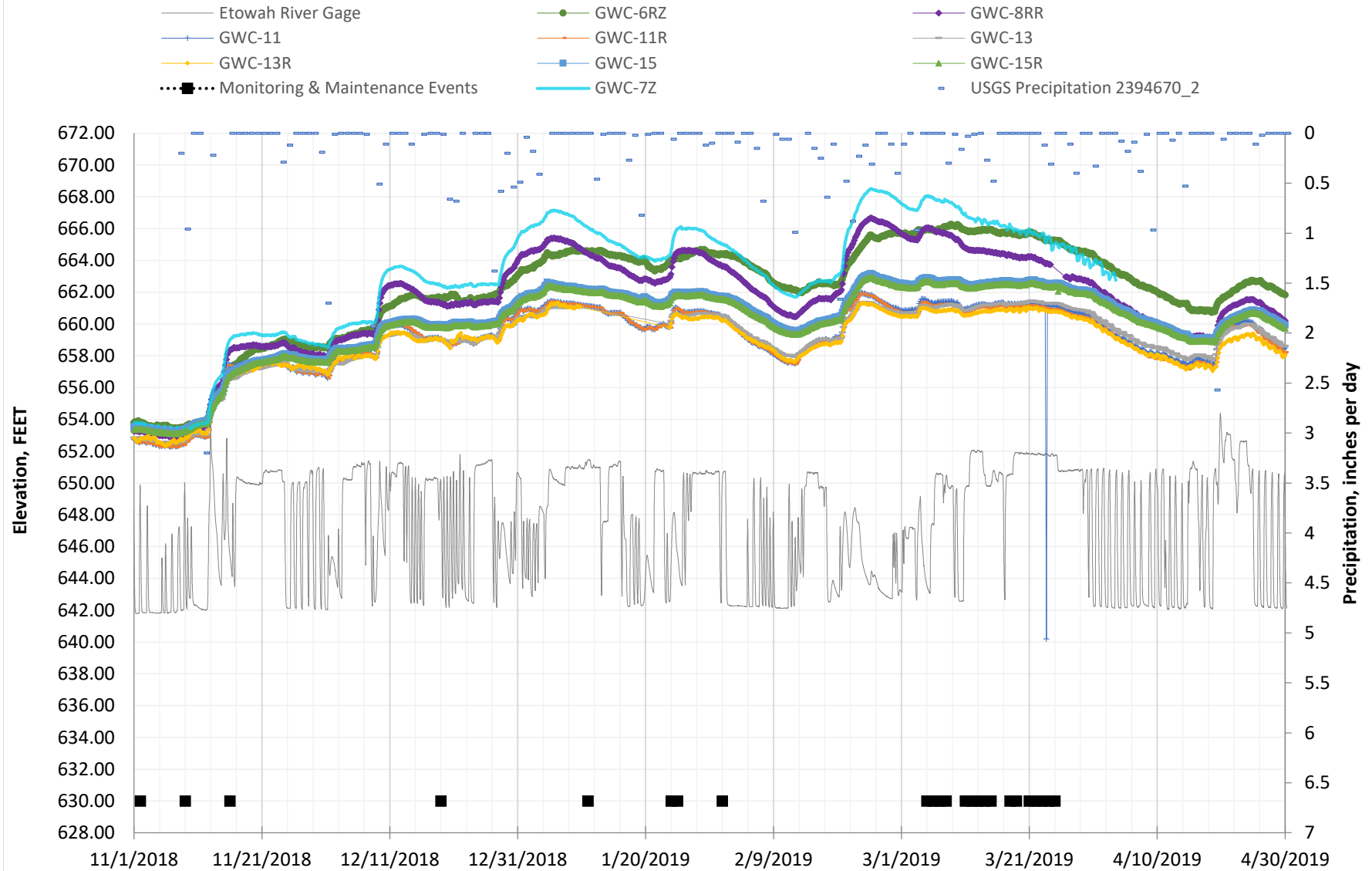
Notes:  
 TOC - Top of Casing

Prepared by/Date: EIW/P 5/13/19  
 Checked by/Date: TRK 5/21/19

# Figure 1A - Cell 1&2 Transducer Level Monitoring

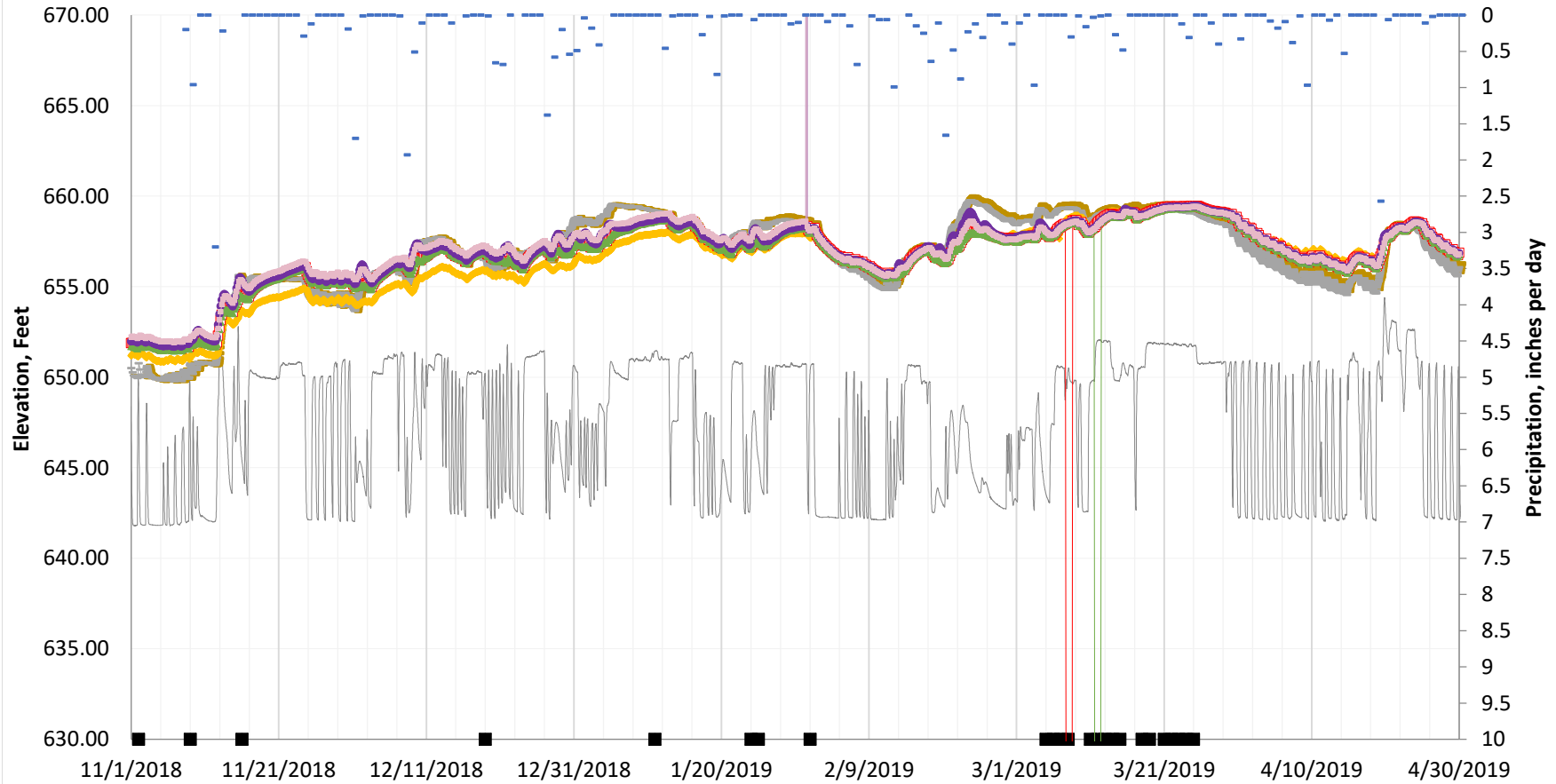


# Figure 1B - Cell 1&2 Transducer Level Monitoring



# Figure 2A Cell 3 & 4 Transducer Level Monitoring

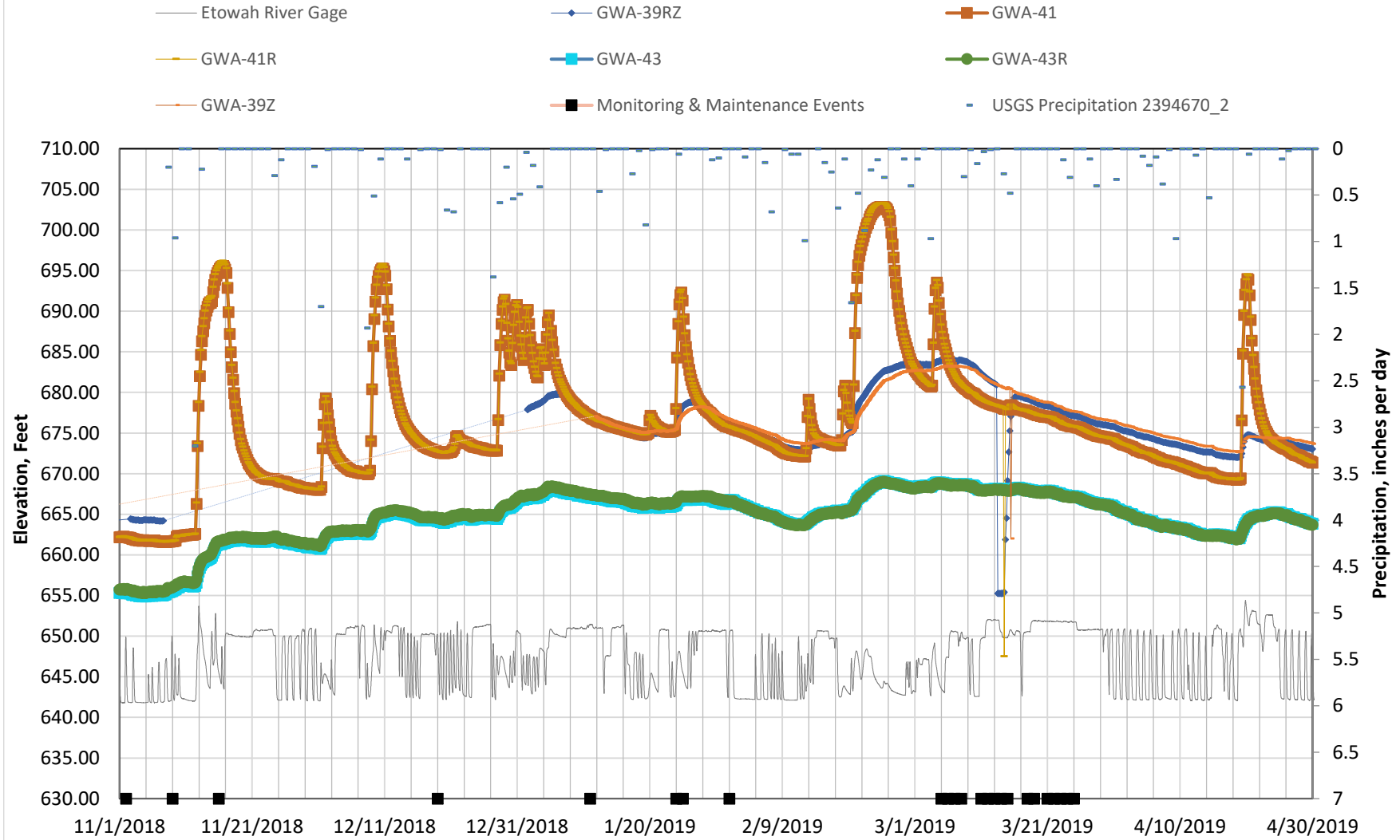
- Etowah River Gage
- GWA-36
- GWA-37
- GWC-53R
- GWC-55R
- Monitoring & Maintenance Events
- GWA-36R
- GWC-53
- GWC-55
- USGS 02394670 Precipitation\_2







# Figure 3A Cell 9 & 10 Transducer Level Monitoring



# Figure 3B Cell 9 & 10 Transducer Level Monitoring

